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POSITIONS OPEN

FACULTY POSITIONS COLLEGE OF PHARMACY Division of Pharmaceutical Sciences University of Cincinnati Medical Center

ASSISTANT PROFESSOR (tenure track): computer-assisted drug design. Candidates must hold a Ph.D. in medicinal chemistry or related field and have demonstrated expertise in drug design via molecular modeling/computational chemistry or a closely related field. Experience with synthetic organic chemistry is also expected. The successful candidate will have a strong record of scholarly activity, ability to teach at the professional and graduate levels, and potential to secure and sustain an extramurally supported research program. A research program relevant to cancer would be of considerable interest. Significant opportunities for collaborations exist within the College, Medical Center, and other units of the University. Submit a cover letter, curriculum vitae, welldeveloped outline of research plans, and the names and addresses of three references to: James J. Knittel, Ph.D., Medicinal Chemistry Search Committee (address below

ASSISTANT PROFESSOR (nontenure track): macromolecular drug design/delivery. Applicants with expertise in design, development, and delivery of macromolecular drugs such as genes/oligonucleotides, proteins/peptides, ribozymes, or vaccines are encouraged to apply. The successful candidate will have a Ph.D. in chemistry, pharmacology, pharmaceutics, or related field and substantial postgraduate experience. (S)he will have a record of scholarly activity, potential to establish and sustain extramural funding, and ability to teach in professional and graduate programs. Significant opportunities exist for collaborations within the College, Medical Center, University, and regional industries. Interested individuals should submit curriculum vitae; a detailed research plan; and names and addresses of three references by September 3, 2001, to: Arthur Buckley, Ph.D., Drug Design/Delivery Search Committee, Division of Pharmaceutical Sciences, College of Pharmacy, University of Cincinnati, P.O. Box 670004, Cincinnati, OH 45267-0004. The University of Cincinnati is an Equal Opportunity/Affirmative Action Employer.

ASSOCIATE DEAN DIVISION OF BASIC MEDICAL SCIENCES Memorial University of Newfoundland

The Associate Dean of Basic Medical Sciences oversees the activities of the Division of Basic Medical Sciences and reports to the Dean of Medicine. The Associate Dean should be active in research while promoting the interests of the Division.

The Division includes 34 full-time faculty and is presently undergoing a phase of active recruitment. The Division is organized on a nondepartmental basis and has research strengths and graduate programs in four areas: cancer, cardiovascular system, immunology, and neuroscience. Applicants are not limited to these areas.

Further information on Memorial University and the Faculty of Medicine can be found on their respective **websites: www.mun.ca** and **www.med.mun.ca**.

The successful applicant will have an established reputation in research, demonstrated leadership capability, and a commitment to support teaching at the undergraduate and graduate levels. Applications should include detailed curriculum vitae, a statement of research interests, and the names of three references. Applications should be sent to: Dr. Bruce Van Vliet, Chair, Search Committee for Associate Dean, Basic Medical Sciences, Faculty of Medicine, Health Sciences Centre, Memorial University of Newfoundland, St. John's, Newfoundland A1B 3V6 Canada. E-mail: vanvliet@mun.ca; FAX: 709-777-7010. Application review will begin August 1, 2001.

Memorial University is committed to Employment Equity. In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada.

POSITIONS OPEN

THE UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER

ASSISTANT PROFESSORS: The Department of Physiology invites applications from outstanding Scientists with Ph.D., M.D., or equivalent degrees for two tenure-track Assistant Professor positions. Of particular interest are candidates who will develop independent research programs in integrative biology using genetic engineering approaches to study physiological processes in tissues and whole animals. Additional areas of interest include molecular and biophysical approaches to cell physiology involving the fields of motility and the cytoskeleton in addition to transport and ion channels. However, the excellence of the successful candidates is more important than the particular area of research. These positions are part of the continuing growth of the Department at one of the country's leading academic medical centers and will be supported by significant laboratory space, competitive salaries, and exceptional start-up packages. The UT Southwestern faculty includes four Nobel Prize winners and 11 members of the National Academy of Sciences and conducts more than 1,900 research projects annually with support totaling more than \$160 million. Applicants should submit curriculum vitae, a brief statement of research plans, and arrange to have three letters of reference sent to: James T. Stull, Ph.D., Department of Physiology, The University of Texas Southwestern Medical Center, 5323 Harry Hines Boulevard, Dallas, TX 75390-9040. UT Southwestern strongly encourages applications from women, minorities, and people with disabilities. An Affirmative Action/Equal Opportunity Employer.

ASSOCIATE/ASSISTANT/INSTRUCTOR.

The Division of Infectious Diseases and Immunology and the University of Massachusetts and UMass Memorial Health seek to fill several RESEARCH FAC-ULTY positions at the Instructor, Assistant, and Assistant Professor levels. Competitive start-up funding is available. Prospective candidates with M.D. and Board certification in internal medicine/infectious disease or a Ph.D. in infectious disease-related field are eligible. Successful candidates will have demonstrated excellence in an area of original research with a record of extramural funding appropriate to the position sought. Primary responsibilities include leadership of research projects and teaching of Doctoral and Postdoctoral students. Direct inquiries including current curriculum vitae, bibliography, and a statement of research interests to: Robert Finberg, M.D., Chair, Department of Medicine, UMass Memorial Health System, 55 Lake Avenue North, Worcester, MA 01655. The University of Massachusetts is an Affirmative Action/Equal Opportunity Employer with a strong commitment to fairness and diversity; accordingly, UMass actively seeks and encourages applications from all individuals independent of gender, race, ethnicity, culture, sexual orientation, age, or disability.

FACULTY POSITIONS PHYSIOLOGY/PHARMACOLOGY

The Department of Physiology and Pharmacology at the City University of New York Medical School seeks applicants with Ph.D. and/or M.D. degree for two tenure-track positions at the **ASSISTANT** and **ASSOCIATE PROFESSOR** level.

Successful candidates must demonstrate a commitment to a career in independent research and to teaching medical students. We are interested in applicants who apply molecular and/or cellular approaches to biological or neurobiological problems. Priority will be given to candidates with funded research program and teaching experience. Details at website: www. ccny.cuny/edu/positions. Generous benefits and salary commensurate with degree and experience. Send curriculum vitae and names, telephone numbers, and addresses of three references to: Ms. M. Velazquez, Recruitment, Department of Physiology and Pharmacology, The CUNY Medical School, 138th Street and Convent Avenue, New York, NY 10031. FAX: 212-650-7726.

Post-Doctoral Fellowships in New Zealand

We again have opportunities for a number of two year post-doctoral fellowships. You will benefit from working alongside an experienced New Zealand researcher and have the scope to make a significant personal contribution to science. Landcare Research is New Zealand's largest terrestrial environmental research organisation (400 staff) with a clearly defined scientific purpose: to make a difference for a truly clean, green New Zealand.

Opportunities exist from among the following topic areas:

stimating the efficiency of carbon accumulation, a ey parameter for quantifying C storage and cosystem health	Craig Trotter	trotterc@landcare.cri.nz
	1	
osystem health		
utomated, near continuous measurement of soil	Frank Kelliher	kelliherf@landcare.cri.nz
itrous oxide and carbon dioxide emissions from		
rained peat under pasture in the Waikato		
ne contribution of peat degradation under	Louis Schipper	schipperl@landcare.cri.nz
griculture to New Zealand's carbon dioxide emissions		
nvironmental regulation of water flux and	David Whitehead	whiteheadd@landcare.cri.nz
nergy balance in podocarp forests		
ne existence and management of 'rogue'	Grant Norbury	norburyg@landcare.cri.nz
redators in native ecosystems		
eritability of variations in palatability	lan Payton	paytoni@landcare.cri.nz
o mammalian browsers in native plants		
ate of spread and population effects of Mycobacterium	Dave Ramsey	ramseyd@landcare.cri.nz
ovis infection inpossum populations		
ettlement of dispersing possums in relation to	Murray Efford	effordm@landcare.cri.nz
arrying capacity of the habitat		
redicting the impacts and benefits of possum control	Dave Forsyth	forsythd@landcare.cri.nz
tergenerational effects of fertility control	Janine Duckworth	duckworthj@landcare.cri.nz
irected against possums		
he vulnerability of plant community structure	Bruce Burns	burnsb@landcare.cri.nz
i fragmented landscapes		
teractions of herbivorous insects, plant	Jane Frohlich	frohlichj@landcare.cri.nz
athogenic fungi and host plants		
he role of mychorrhizal fungi in determining	Peter Bellingham	bellinghamp@landcare.cri.nz
atterns of forest successions		
aluation of ecosystem services in the Waikato	Anthony Cole	colea@landcare.cri.nz
egion with emphasis on the ecological capital elonging to Maori		



working conditions.

To discuss the detailed focus of possible research, please contact the relevant lead scientist. For further information on Landcare Research, check out our website www.landcare.cri.nz.

If interested in applying and for information on employment details, contact Andrew van Herpt, HR Advisor. Email: vanherpta@landcare.cri.nz. Phone enquiries welcome: +64-3-325 6700.

To apply, please send a full CV, a list of three professional references (including contact information), and one page or less describing how your skills would benefit the proposed research to Andrew van Herpt via email or to: Landcare Research PO Box 69, Lincoln 8152, New Zealand. Applications close on 22 June 2001.



Manaaki Whenua Landcare Research



Leading the Way for a Healthier World

Lead the way! Become a leader by furthering your career and experience with one of the world's largest research-based companies. At Wyeth, part of American Home Products, your knowledge will help lead the way into a healthier world. We currently have immediate opportunities available in our **RADNOR**, **PA** and **PRINCETON**, **NI** facilities.

RADNOR, PA

Join us in a promising position in Drug Discovery. We are currently seeking Research Scientists with specialties in:

Cardiovascular Diseases - Ph.D. Pharmacologists possessing experience with animal models of cardiac function including ischemia/reperfusion injury and chronic heart failure. In vitro/molecular experience is highly desirable.

Molecular Biology - Ph.D. Pharmacologists experienced in CNS, specifically in glial-neuron with respect to inflammation. In vivo experience desired.

Bachelor's or Master's level candidates experienced with Molecular/Cell Biology. PCR, RNA or small animal experience preferred.

Ph.D. Biochemists experienced in signal transduction or rapid activation of steroids.

Endocrinology Division - Ph.D. Molecular Endocrinologists with experience in uterine and/or ovarian biology and a research emphasis on novel signaling pathways used by steroids or growth factors.

Functional Morphology - Ph.D. with 4+ years of post-doctoral experience in neuroscience or neuroendocrinology, with specific interest in neurodegeneration/neuroprotection and/or thermoregulation (hot flushes). Experience with molecular and histological techniques and in vivo models is desired.

Bachelor's or Master's level candidates with experience in histological/immunocytochemical and small animal surgery techniques. Some experience in CNS desired.

Bone Metabolism - Ph.D. Bone Biologists with experience in cell culture and current molecular biology techniques to join ongoing efforts on the characterization of mechanisms involved in osteogenesis.

Nutrition - Ph.D. with 2+ years' post-doctoral research experience including immunology, human nutrition, infant nutrition, microbiology, mucosal immunology and/or mineral nutrition.

Please forward your resume with salary requirements to: Wyeth, Reference OPSCI, P.O. Box 7886, Philadelphia, PA 19101-7886. Fax to: (610) 989-4854. E-mail: jobs@labs.wyeth.com

PRINCETON, NI

Drug Safety and Metabolism Positions (Job#: P-DSM)

- Biotransformation Division seeks researchers to conduct studies evaluating the absorption, distribution, metabolism, and excretion of drug candidates
- Help support early discovery efforts to identify a single candidate for advancement by conducting metabolism studies (both PK and metabolite profiling/identification in vivo and in vitro) aimed at compound selection and optimization
- Carry out detailed studies during development phase to fully characterize ADME properties of the candidate compound
- BS/MS with expertise in drug metabolism, drug metabolizing enzymes/enzymology (isoenzyme identification), metabolite profiling and identification required
- Accomplished bioanalysis skills (i.e., mass spectrometry, HPLC, and radiometric analyses)
- Experience with in vitro and molecular models of drug metabolism necessary for rational study design
- These positions will be relocating to the Collegeville, PA area in September of 2001

Please forward your resume with salary requirements to: Wyeth, Reference OPSCI, CN 8000, Princeton, NJ 08543-9979. Fax to: (732) 274-4205. E-mail: javorsp@war.wyeth.com

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JOHANNES GUTENBERG-UNIVERSITÄT MAINZ



In a team of toxicologists working on carcinogen metabolism, carcinogenesis and genotoxicity a position (BAT IIa or BAT Ib) is available for a

Research Associate (PhD).

Experience of the candidate could be either in Molecular Genetics/ Molecular Biology or in Bioinformatics.

Not necessary, but an advantage: Experience in toxicogenetics/toxicogenomics or DNA chip technology or carcinogen metabolizing enzymes or carcinogenesis. Salary according to experience DM 75.000 to 150.000 (US\$ 37.500 to 75.000) before taxes per year.

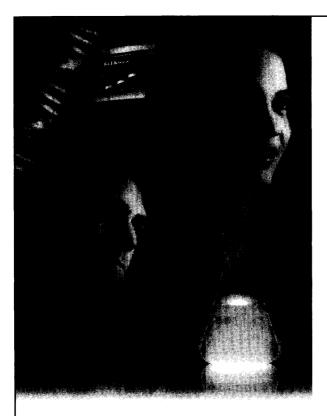
Application with curriculum, university degree, publication list and photograph to Prof. Dr. F. Oesch, Director of the Institute of Toxicology, University of Mainz, Obere Zahlbacher Str. 67, D-55131 Mainz, Germany.



POSTDOCTORAL POSITION

MOUNT SINAI SCHOOL OF MEDICINE

Mount Sinai School of Medicine currently has a Postdoctoral Position available to study the molecular mechanisms that regulate the hepatic response to oxidative stress. These include the intercellular communication between hepatocytes, Kupffer and endothelial cells, as well as the role Cytochrome P450 2E1. of Expertise in cell culture and solid background in molecular and signal transduction are required. Please forward your CV and 3 letters of recommendation to: Natalia Nieto, PhD, Department of Biochemistry and Molecular Biology, Mount Sinai School of Medicine, One Gustave L. Levy Place, Box 10-20, New York, NY 10029. E-mail: ny2000@hotmail.com. EOE.



The best is getting even better! As the world's largest pharmaceutical research enterprise, Pfizer is dedicated to providing the best innovations in medicine while pursuing tomorrow's discoveries in research and development. If you share our 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 Groton, Connecticut.



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careers that matter

Research Scientists – Protein Crystallography

We are seeking highly motivated X-ray crystallographers to join our integrated multidisciplinary team. You will be responsible for solving protein structures and applying the information to drive drug discovery programs. Additionally, you will interact with computational and medicinal chemists and bioinformatics specialists within interdisciplinary teams. You must have a PhD in Macromolecular Crystallography, demonstrated expertise in protein structure determination methods (MIR, MAD, and molecular replacement methods), and a thorough familiarity with crystallographic software. Experience with structure-assisted ligand design is desirable. Reg #11May0104903

Research Scientist – Structural Bioinformatics

Working in an exciting multidisciplinary team environment, the successful candidate will be responsible for investigating structure function relationships in a variety of protein families in collaboration with X-ray crystallographers and computational chemists. You will apply state-of-the-ort computational tools and mining of biological databases to predict protein function for novel sequences. A PhD degree, or the equivalent, in Structural Biology, Biophysics, Molecular Pharmacology or Bioinformatics is required. One to two years postdoctoral training in molecular and structural biology, bioinformatics, molecular pharmacology is required. The successful candidate will possess excellent communication and interpersonal skills and demonstrate strong quantitative and programming skills. Experience in homology modeling and threading methods to construct protein models or investigating structure-function relationships is desirable. Req #09Apr0104220

Research Scientists – Computational Chemistry

We are expanding our group and seek several independent and creative individuals to work in our multidisciplinary drug discovery environment. The successful candidate will collaborate directly with medicinal chemists, biologists, and drug metabolism scientists, and will facilitate companion technologies such as X-ray crystallography, protein NMR, and combinatorial chemistry. The position requires a PhD in computational chemistry or the equivalent; postdoctoral and/or pharmaceutical experience is desirable. A strong background in one or more of the following is preferred: structure-ossisted design, protein modeling, pharmacophore development, QSAR, combinatorial library design, molecular properties analysis, data mining. Strong communication skills and the ability to work in a team environment are a must. Reg #12Jan0101761

Assistant Scientist I – Biology

Working in a laboratory focused on molecular biology and biochemistry techniques, you will conduct gene cloning, protein expression, assay development, and target identification and validation. You will also collaborate with molecular science colleagues and cancer team members to establish assays and generate biological reagents for drug discovery programs. You must have a BS in Science (MS preferred), 3 years research lab experience, and a demonstrated knowledge of standard DNA/RNA technology, protein expression and purification, and standard protein analysis techniques. Reg #09Apr0104216

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.

Senior Scientists

Ambion is looking for exceptional candidates for Senior Scientist and other research positions. Ambion's track record for developing innovative products and technologies is outstanding. Most of our products and technologies are invented here rather than licensed from outside. This high productivity can be attributed to our creative, interactive research environment. Senior Scientists lead small research groups with the freedom to develop their own research programs, and become involved in a variety of business development and marketing activities. Areas of expertise range from organic chemistry to protein chemistry to many areas of molecular biology, often with a strong emphasis on RNA. This blend of Principle Investigator and entrepreneur is not found in many other research environments.

If this sounds appealing to you and you have a strong publication record and an innovative and entrepreneurial spirit, please forward a cover letter, resume, and references online at <u>www.ambion.com/jobs</u> or by mail or fax at the address below.

Applicants with backgrounds in clinical or diagnostic areas are especially encouraged since we are expanding our RNA Diagnostic division.

EOE

Ambion, Inc. 2130 Woodward St. Austin, TX 78744-1832 fax: (512)651-0201 www.ambion.com/jobs



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: gljohnston@mdanderson.org. For additional information please call (713) 792-4238.

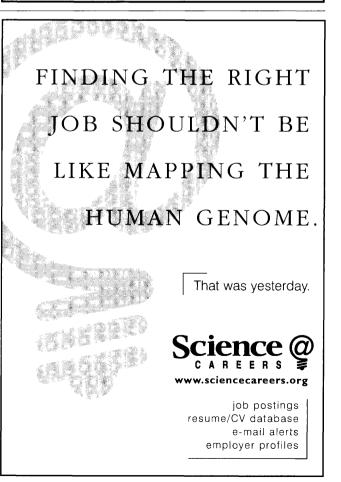


The University of Texas M. D. Anderson Cancer Center values diversity in its broadest sense. Diversity works at M. D. Anderson. FEO/AA Smoke-free environment



The new Genome Research Institute (GRI) at the University of Cincinnati, which will open in the spring of 2002, invites applications for tenure-track positions (Assistant/Associate/Full Professor). GRI is located on a 24-acre campus and features spacious state-of-the-art laboratories and animal facilities. GRI faculty will have access to modern core facilities for genomics, proteomics, transgenic and gene knockout mice, and mouse phenotyping, an active graduate program, and opportunities to collaborate with basic and clinical scientists in the College of Medicine. We are committed to developing a world-class genomic science program for studying complex physiological traits and disease processes. During the next several years we plan to recruit 10 new faculty who will join with selected existing faculty to bring GRI membership to 40-50 investigators. Individuals with research programs in neuroscience, endocrinology, cardiovascular/pulmonary biology, and cancer are especially encouraged to apply. Salaries are competitive and the benefits package is very generous. Submit curriculum vitae, a description of research, and names of three references to:

David E. Millhorn, Ph.D. Director, Genome Research Institute Chair, Department of Molecular Physiology University of Cincinnati PO Box 670576 Cincinnati, OH 45267-0576 Equal Opportunity Employer



Purdue Pharma has initiated a major discovery research effort designed to identify novel drug targets. As part of this effort, we are expanding the functional genomics capabilities at our Irvine, CA site. To help build these capabilities, we seek highly motivated, creative scientists for the following positions:

Group Leader - Transgenics

This position will set up, manage and provide the scientific vision for our transgenic mouse facility. The position reports directly to the head of research in Irvine and offers an excellent opportunity for career development. The successful candidate will be responsible for determining the overall strategy for using transgenic and knockout mice to validate potential drug targets and for integrating transgenic technologies with our existing capabilities in molecular biology and neuroscience. You must have demonstrated hands-on experience in all aspects of transgenic and knockout mouse production and analysis, including a strong background in cutting-edge molecular techniques for the design and production of gene targeting constructs, a solid understanding of mouse genetics, experience with injection/manipulation of ES cells, and genotyping and phenotyping of the resulting mutant mice. Expertise in producing skills and the ability to work in a team-oriented environment are essential for the job. A background in neuroscience is desirable but not a requirement. Qualifications include a Ph.D. or M.D. degree plus post-doctoral training in molecular biology, genetics, biochemistry or a related discipline. Managerial experience should be consistent with establishing and supervising a group of research associates and Ph.D.-level senior scientists.

Senior Scientist - Target Identification and Validation

This position will be part of the Target Identification Group and will participate in the identification and validation of novel drug targets in the areas of pain and inflammation. In this position, you will work closely with our Genomics lab and Molecular Biology group to identify novel targets, as well as plan, execute, and analyze experiments designed to establish the biological function of these targets. You must have a strong background in molecular and cell biology and specific expertise in the construction of subtracted cDNA libraries or differential mRNA display; experience with in situ hybridization is also desirable. The position requires a Ph.D. in molecular biology, cell biology, biochemistry or a related discipline and 3 to 5 years of postdoctoral training. Industry experience is preferred, but not required. A background in neuroscience, signal transduction, or the biology of pain and inflammation would be a definite plus. The job entails both bench work and research management, and demands excellent communication skills and the ability to work in teams.

Research Associate - Genomics

This position will be part of the Genomics Lab and Target Identification Group, and will participate in the identification and validation of novel drug targets using DNA microarray technologies. Specific job responsibilities will include RNA extraction, probe labeling and hybridization for microarray-based experiments, as well as carrying out a variety of molecular assays designed to verify the results from microarray studies. You must have a strong background in molecular biology with expertise in cell culture, DNA transfection, RNA isolation/amplification, RT-PCR, Northern blotting and in situ hybridization. Previous experience working with DNA microarrays would be a definite plus. A B.S. or M.S. degree in molecular biology, biochemistry or a related field and 3-5 years of experience (preferably in an industrial setting) are also required.

Bioinformatics Specialist

This position will be part of the Genomics Lab and Target Identification Group and will participate in the identification and validation of novel drug targets using DNA microarray technologies. Specific job responsibilities include analyzing array-based experiments, data tracking and storage, and interfacing in-house experimental data with external gene databases. This position will work closely with experimental scientists in the group to optimize the use of data acquisition and analysis software, and will help design workflow for microarray data processing and management. You must have an excellent working knowledge of the Unix/Linux and Windows NT2000 operating systems, as well as experience with Microsoft Excel (macro programming), Microsoft Access and Microsoft SQL 7.0/2000. Additional experience with SQL, PERL, C++, or JAVA as well as the ability to generate in-house databases and produce user interfaces are also required. A B.S. or M.S. degree in biology, bioengineering, biochemistry, or computer science and 2-5 years of bioinformatics-related work experience (preferably in an industrial setting) are required.

We offer competitive compensation and an attractive benefits package within a dynamic work environment. As a growing company, we offer ample opportunities for personal advancement and professional growth. For immediate consideration, qualified applicants should email or fax resumes indicating position of interest and salary requirements to: Dsdrecruiter@pharma.com. Fax: (949) 753-6161, Attn: DD.

For more information about Purdue, visit us on our website at: www.purdue.com

Corporate standards require drug testing and background investigation. An Equal Opportunity Employer, M/F/D/V.



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10 Post-Doctoral Positions in the area of

Functional Genomics of G Protein-Coupled Receptors In an effort to further strengthen our GPCR initiatives, AstraZeneca Global Discovery invites applications for the following 10 post-doctoral positions. The various projects, which will be conducted over two to three years, will be based at different AstraZeneca R&D sites in the UK, Sweden, Canada and the United States.

The targeted candidates must have a PhD in a relevant science, display superior communication skills and have demonstrated their ability to work as part of a team.

evolution through innovation

Boston, USA (One contract position)

This position will help develop and apply novel informatics and computational methods in the design of GPCR-oriented compound libraries within our Lead Informatics group. E-mail: HR Boston@astrazeneca.com

Wilmington, USA (Two contract positions)

One position will develop and apply bioinformatics methods to the identification, annotation and analysis of GPCR sequences within our Biological Informatics group. The other position will develop novel assays for GPCR signalling within our CNS Lead Discovery group. E-mail: davida.wagner@astrazeneca.com

Montréal, Canada (Four contract positions)

Two positions will work on the identification and the biological characterization of ligands for orphan GPCRs within our Molecular Biology group. Two other positions will work on the design and synthesis of GPCR-oriented libraries of compounds within our Combinatorial Chemistry group.

E-mail: Montreal.HR@astrazeneca.com

Mölndal, Sweden (One contract position)

Joining our Peptidome Team within the Department of Cell Biology & Biochemistry, this post-doctoral fellow will work on the identification and biochemical characterization of endogenous ligands for orphan GPCRs. The work will be done in close collaboration with teams performing orphan ligand identification programs at the different AZ R&D sites.

AstraZeneca R&D Mölndal, S-431 83 Mölndal, Sweden. E-mail: jan.mattsson@astrazeneca.com Fax: 4-631-776-3761. Tel.: 4-631-776-2406

Alderley Park, UK (One contract position) Working within the Mechanistic Research Programme in our Enabling Science and Technology group, this post-doctoral fellow will work on the development of innovative expression and assay systems for GPCR. E-mail: astrazeneca@myoyster.com

Södertälje, Sweden (One contract position) Working within our Molecular Science group, this post-doctoral fellow will focus on the development and use of tissue microarrays in combination with other expression profiling technologies to validate GPCRs as targets for various disease states. E-mail: Thomas.Berndts@astrazeneca.com



 One of the world's leading pharmaceutical companies, active in 100 countries

- 10,000 people dedicated to R&D, with centres of research excellence in the UK, US, Canada and Sweden
- Over £5 million invested each working day to ensure a flow of new medicines that make a difference

We thank all applicants for their interest, however, only those being considered will be contacted. No telephone enquiries or agencies, please. We are an Equal Opportunity Employer.

TO LAND THE PERFECT JOB YOU SHOULDN'T HAVE TO SCOUR THE EARTH.

That is unless you're a planetary scientist.



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ICREA announces the opening of RESEARCH POSITIONS in different fields

All positions may be filled at junior or senior levels. Minimum requirements are a Ph.D. degree, at least three years of international exposure and some postdoctoral experience.

Successful applicants will have a contract with ICREA, and will work along with teams from universities or other research centers in Catalonia in the premises of these cooperating institutions.

Basic salaries will be in line with those in Spanish universities, with complements based on scientific production. Tenure decisions for junior researchers, as well as salary increase at any level will be based on periodical evaluations of research progress.

The present announcement was preceded by a search process, which allowed to identify those subfields on which ICREA is definitely interested, and for which the availability of suitable research partners is guaranteed. These subfields and partners are indicated in the list below, and they will be given priority. Yet, outstanding applicants in any field whose qualifications do not directly fall into the mentioned subfields will still be considered, if ICREA can identify appropriate teams for fruitful cooperation. Please notice that, because of their operational purpose, our "subfields" are defined quite unconventionally, and that some of them are more broadly defined than others.

Candidates should send:

- A complete CV
- · Names and addresses (including e-mail) of five scholars willing to write reference letters on their behalf
- A brief statement of purpose, of no more than two pages, expressing the reasons for their interest in ICREA and the general nature of their future research projects.
- An identification form (available at ICREA's web: www.fcr.es/icrea). Please indicate whether you want to be considered for some specific subfield, or whether your application matches a general field but none of the subfields in the priority list.

Applications should be received at ICREA (icrea@fcr.es) no later than June 20

LIST OF POSITIONS AND FIELDS

Field: Life and Medical Sciences Number of positions: 12 Subfields with a priority: Cell and Development Biology Gene-Environment Interaction Integrative Analysis of Biological Systems Computational Biology Genetic Engineering Plant and Animal Genomics Electron Microscopy in Structural Analysis HIV Research Protein NMR Experimental Oncology

Field:Experimental Sciences and Mathematics Number of positions: 7 Subfields with a priority: Astrophysics and Cosmology Marine Geosciences Numerical Methods Climate Modeling Geological Resources and Reservoirs Particle Physics: Unification of Forces Environmental Sedimentology Field: Social Sciences Number of positions: 4 Subfields with a priority: Demography History of Science and Technology Economics Sociology

Field: Technology Number of positions: 5 Subfields with a priority: Aerospace Science and Technology Nanostructures for Device Applications Information Technologies Photonics

Field: Humanities Number of positions: 4 Subfields with a priority: Archeology and Paleontology Automatic Translation Logic and Reference Theory

COOPERATING INSTITUTIONS:

Universitat de Barcelona (UB), Universitat Autònoma de Barcelona (UAB), Universitat Politècnica de Catalunya (UPC), Universitat Pompeu Fabra (UPF), Universitat de Girona (UdG), Universitat de Lleida (UdL), Universitat Rovira i Virgili (URV), Consejo Superior de Investigaciones Científicas (CSIC), Centre de Recerca en Economia Internacional (CREI), Institut de Física d'Altes Energies (IFAE), Institut Municipal d'Investigació Mèdica (IMIM), Institut de Recerca Oncològica (IRO), Institut de Recerca de la Sida (IRSI), Institut de Recerca i Tecnologia Agroalimentàries (IRTA), Parc Científic de Barcelona (PCB)

* ICREA is a private foundation jointly sponsored by the Ministry of Universities, Research and Society of Information of the Government of Catalonia (Generalitat de Catalunya) and by the Catalan Foundation for Research. ICREA wants to support high level research in Catalonia by creating new research positions.

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Cogent Neuroscience is accepting applications for the position of scientific analyst. The job entails working with the company's business development group to identify strategic partnering and licensing opportunities. Additionally, the scientific analyst will aid in conducting due diligence and in drafting formal documents, will prepare presentations and opinions, and will gather and distribute scientific information relevant to Cogent's activities and interests. The scientific analyst will also serve as a scientific liaison and resource contact for the corporate departments and staff.

Candidates should have a Ph.D. in a relevant scientific discipline or an M.D. with a minimum of 3 years of accomplished experience in neuroscience research design and development. Candidates with an M.S. and 6+ years of outstanding experience will also be considered.

Biotech/Pharmaceutical industry experience preferred. Excellent communication skills, as well as experience in using MS Word, Excel, and PowerPoint required.

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Cogent Neuroscience 4425 Ben Franklin Blvd. Durham, NC 27704 Re: Job #336

We request your application by 6/22/01. (No phone calls please.) PRINCIPALS ONLY. Equal Opportunity Employer



ASSISTANT PROFESSOR

The Departments of Biology/Microbiology and Veterinary Science at South Dakota State University invite applicants for a tenure track, 12-month, 75% teaching and 25% research appointment. Instructional responsibilities include participation as a team member in Immunology, Immunology Laboratory, Medical Microbiology and Medical Microbiology Lab. Development of a collaborative research program and pursuit of extramural funding is expected. Earned Ph.D. or equivalent degree in immunology, microbiology or closely related area is required. Effective interpersonal and communication (verbal and written) skills and effective teaching ability or potential are also required. Candidates with a background in immunology or infectious disease, and experience in the areas of food animal immunology or infectious disease will be given preference. Preference also given to candidates with demonstrated effectiveness in teaching and high productivity in research. Extramural funding experience, the potential and willingness to develop collaborative teaching and research programs with other SDSU faculty desired. Send letter of application, curriculum vitae, separate statements of teaching and research interests, documentation of qualifications related to the position's expectations, and have three current letters of professional reference sent to Dr. Mike Hildreth, Department of Biology and Microbiology; South Dakota State University; BOX 2140D; Brookings, SD 57007. Phone (605) 688-4562; FAX (605) 688-5624. E-mail: michael_hildreth@sdstate.edu. Call or write for additional information. Application deadline is June 22, 2001, and position will remain open until filled. Preferred starting date is August 15, 2001 or earlier. SDSU is an AA/EEO Employer and encourages applications from women and minorities. ADA Accommodations: (605) 688-4504/TTY (605) 688-4394.

The Hong Kong Applied Science and Technology Research Institute Company Limited invites applications for the following positions:

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* an annual total cash compensation package not less than HK\$1.5 million plus life and medical insurance benefits

Appointments will be on a three-year renewable contract basis. For application, submit your resume via mail, web or fax to: Director of Administration, Hong Kong Applied Science and Technology Research Institute Co. Ltd., Room 1424A, 14/F., Ocean Centre, 5 Canton Road, Tsimshatsui, Kowloon, Hong Kong email:enquiry@astri.org fax : (852)2737 2456

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POSTDOCTORAL FELLOWSHIP

A postdoctoral position is available immediately to investigate the mechanism and consequences of Ty element retrotransposition in *Saccharomyces cerevisiae*. These mobile genetic elements are structurally and functionally related to retroviruses and are widely dispersed in nature. We are interested in host genes that modulate Ty transposition, the mechanism of Ty virus-like particle formation, reverse transcription, integration, copy-number control in naive strains lacking Ty elements, and creating functional HIV/Ty hybrids. Candidates should be experienced in molecular and cell biology. Previous training in yeast genetics is helpful but not essential.

The position is part of the NCI Center for Cancer Research and is located at the National Cancer Institute at Frederick in Frederick, MD. The National Institutes of Health is an equal opportunity employer and encourages all qualified women and minorities to apply. Selection for this position will be based solely on merit, with no discrimination for non-merit reasons such as race, marital status, physical or mental disability, age, sexual orientation or membership or non-membership in an employee organization. Salary range for this position is \$32,000-\$38,628.

Interested candidates should submit a CV and the names of three references to: David J. Garfinkel, PhD, Gene Regulation and Chromosome Biology Laboratory, Building 539, Room 152J, National Cancer Institute at Frederick, PO Box B, Frederick, MD 21702-1201

Your CV and names of references also may be faxed to 301-846-6911 or e-mailed to garfinke@mail.ncifcrf.gov.

Research Fellowship in Transplantation and Autoimmunity

The T cell Function Section of the NIDDK-Navy Transplantation and Autoimmunity Branch is soliciting applications for a Research Fellow. Branch scientists combine bench research with cutting edge NIH-sponsored transplantation and autoimmunity trials while working in a state-of-the-art research facility. Current projects in the T cell Function Section include studies to better define T cell costimulation/signal transduction pathways in addition to the design of novel assays to monitor human allografts following organ transplantation. Applicants should have strong molecular skills and/or a background in cellular immunology, be able to work independently and to clearly communicate research findings. Interested candidates should send a letter or e-mail stating their research/clinical interests, their curriculum vitae and arrange to have letters from three references sent to:

Patrick J. Blair, Ph.D. NIDDK-Navy Transplantation and Autoimmunity Branch AFRRI, Bldg. 46, Rm. 2421 Bethesda, MD 20889 Phone (301) 295-2388 Fax (301) 295-6484 patrickb@intra.niddk.nih.gov

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Our aim is to employ the most able people worldwide, because their commitment, motivation and skills are crucial to our corporate success.

Scientist in Antibiotic Research

A new job opportunity has arisen in our Anti-infective Research Group in Wuppertal, Germany. Since the discovery of the first synthetic antibacterial drug, Prontosil, Bayer has had a strong commitment to anti-infective research. Antibiotics are also one of our core businesses, as recently exemplified by the launch of Avelox (moxifloxacin) designed to treat community-acquired respiratory tract infections. To further enhance our strong commitment, we are offering a position at the staff scientist level, which will contribute to a number of exciting projects in antibacterial drug discovery. You will be involved in the characterisation of novel antibacterial drug candidates in vitro and in vivo. This includes both microbiological and mode of action studies.

The position requires a Ph.D. or MD and comprehensive knowledge of the microbiology, biochemistry and molecular biology of pathogenic bacteria. Drug discovery and managerial experience would be advantageous.

We offer a competitive salary with excellent possibilities for your personal and professional development.

If your background and personal experience fits this profile, please send us your complete application quoting ref. No. 3395 by letter or e-mail. For more details please contact Prof. Harald Labischinski, e-mail: harald.labischinski.hl@bayer-ag.de.

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POSTDOCTORAL POSITIONS IN MOLECULAR AND CELLULAR NEUROSCIENCE

The focus of the Laboratory of Molecular Pathophysiology, National Institute of Mental Health is the investigation of disease and medication-induced changes regulating neuroplasticity and cellular resilience. Projects will involve genomics and proteomics studies, as well as morphometric and histochemical analyses of brain tissue from transgenic and knockout mice of neuropsychiatric disorders, human brain tissue and cell culture models.

The successful candidate will have a PhD in Molecular Biology, Cell Biology, Neuroscience or related discipline, and less than five years of postdoctoral research experience. The positions are located within the NIH Intramural Research Program in Bethesda. Salary will be commensurate with NIH guidelines and experience. Please send *curriculum vitae* and three letters of reference to:

Husseini K. Manji, MD, Chief Laboratory of Molecular Pathophysiology National Institute of Mental Health Building 49, Room B 1 EE 16 49 Convent Dr. MSC 4405 Bethesda, MD 20892-4405 FAX 301/480-0123 email: maniih@intra.nimh.nih.gov

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Chair, Department Physiology and Experimental Medicine George Washington University

Medical Center

Applications are invited from high energy, results-oriented individuals to fill the position of Chair of the Department of Physiology and Experimental Medicine at the George Washington Medical Center. The Department Chair will report directly to the Dean of the Medical School. This recruitment provides an excellent opportunity to bring together a high quality faculty, which can interact with colleagues in other basic science laboratories, and collaborate with clinical investigators in transitional research efforts. The successful candidate will have academic credentials that would qualify for an appointment at the level of Professor, a track record of successful and productive collaborative research efforts, the ability to recruit and retain talented faculty, and a history of successful mentoring and training of junior faculty and students. The review of applications will begin June 22, 2001, and will continue until the position is filled. Nominations and applications (including curriculum vita) can be submitted in confidence to:

> Harry Wollman, M.D., Principal, Alexander, Wollman & Stark, 1601 Market St., Suite 550, Philadelphia, PA 19103 or by email, pkstark@aol.com

The George Washington University is an Equal Opportunity Affirmative Action Employer.



European Bioinformatics Institute (EBI)

Hinxton, nr. Cambridge, UK

The European Molecular Biology Laboratory (EMBL), an international research organisation with its Headquarters Laboratory in Heidelberg (Germany), Outstations situated in Grenoble (France), Hamburg (Germany) and Hinxton (UK), and a Research Programme at Monterotondo (Italy) has the following vacancy at The European Bioinformatics Institute (EBI) in Hinxton, near Cambridge, UK:

TEAM LEADER (ref. 01/74) MACROMOLECULAR STRUCTURE DATABASE

The Team Leader will oversee the MSD project, manage its relationship with the structural biology community and funding agencies, and represent it within the context of global collaborations. Postdoctoral experience in a research environment involving computation on macromolecular structure information will be essential.

Closing Date: 15 June 2001

For further details on this post and on the EBI please visit our Web sites:

http://www.embl-heidelberg.de/ and http://www.ebi.ac.uk

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To apply please send your CV, quoting ref. no. 01/74, to:

The Personnel Section, EMBL, Postfach 10.2209, D-69012 Heidelberg, Germany. Fax: +49 6221 387555. email: jobs@embl-heidelberg.de

POSTDOCTORAL / STAFF SCIENTIST POSITION AVAILABLE

The Renal Diagnostic and Therapeutic Unit, NIDDK, National Institutes of Health, has an immediate opening for a fellowship position which has the potential to be converted to a Staff Scientist position in 2-4 years. The rate of progression depends on the training of the candidate. Candidates should be self-motivated individuals who have a strong publication record in molecular or protein techniques, preferably with experience in proteomics, tissue injury, inflammation, or immunology. The candidate will work closely with the Chief of the Laboratory and will be expected to assist in the development and execution of laboratory research programs in basic and translational research aimed at developing new diagnostic tests and therapeutic agents for kidney disease. Candidates must have a doctoral degree and postdoctoral training. The position is restricted to U.S. Citizens, resident or non-resident aliens. Applicants should send their curriculum vitae, bibliography, and three letters of recommendation to:

Robert Star, M.D. Chief, Renal Diagnostic and Therapeutic Unit 10 Center Drive, Room 3N108, MSC 1268 Bethesda, Maryland 20892-1268 Phone: (301) 402-6749 Fax: (301) 496-2830 E-mail: Robert Star@nih.gov

Applications must be received by June 15, 2001.

NIH is an Equal Opportunity Employer

The Eppley Institute for Research in Cancer and Allied Diseases has available a TENURE-TRACK FACULTY POSITION at any level for an IMMU-NOLOGIST. The Eppley Institute is an academic unit and an integral part of the University of Nebraska Medical Center Eppley Cancer Center, an NCI-designated clinical cancer center. Excellent opportunities are available at the Eppley Cancer Center for collaborative interactions with basic Scientists and clinical Investigators in a number of disciplines including immunology, hematology/oncology, and molecular/ cell biology. The faculty at the Eppley Institute have access to state-of-the-art research facilities including flow cytometry/cell sorting, molecular modeling, imaging, monoclonal antibody production, mass spectrometry, histology, animal housing, and molecular biology. Pre- and Postdoctoral Fellowships are available via training grants in cancer research and breast cancer research. The quality of life in Omaha is outstanding with superior schools, affordable housing, and many cultural events. Applicants should possess a Ph.D. and/or M.D. or other Doctoral-level degree and postdoctoral training. See website: http://www. unmc.edu/Eppley/ for more information. Applications (curriculum vitae, two-to-three page summary of future research plans, and three letters of reference) for this position should be sent to: Kenneth Cowan, M.D., Ph.D., Director, Eppley Institute for Cancer Research and the UNMC Eppley Cancer Center, University of Nebraska Medical Center, 986805 Nebraska Medical Center, Omaha, NÉ 68198-6805. UNMC is an Equal Opportunity Employer.

FACULTY OF DENTISTRY McGill University

The Faculty of Dentistry at McGill University is inviting SCIENTISTS and CLINICIAN-SCIENTISTS to apply for positions at all academic levels. Outstanding applicants will be considered for the Canada Research Chairs program. Successful candidates are expected to establish an independent research program in basic and/or clinical sciences, contribute to multidisciplinary research initiatives, and teach. Major areas of research include craniofacial and developmental biology, epidemiology and population health, mineralized tissues, neuroscience (pain and sensory motor mechanisms), oncology, and biomaterials and biocompatibility.

Applications must include a cover letter, curriculum vitae, a short statement of research interests, and the names and e-mail addresses of three references:

Dr. Marc McKee, Associate Dean (Research) Faculty of Dentistry McGill University 3640 University Street, Room M-43 Montreal, QC H3A 2B2 Canada E-mail: mckee@med.mcgill.ca Telephone: 514-398-7229; FAX: 514-398-8900 Website: www.mcgill.ca

McGill University is committed to Equity in Employment. In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada.

PHYSIOLOGY FACULTY POSITION

A full-time position at the **ASSISTANT** or **ASSO-CIATE PROFESSOR** level is available in the Department of Physiology of the College of Medical Sciences at Nova Southeastern University in Fort Lauderdale, Florida. Initial teaching responsibility will be an anatomy and physiology course given to first-year pharmacy students. Eventually the individual will be expected to develop medical school-level lectures in endocrinology. The position requires a Ph.D. Although primarily a teaching position, opportunities for research do exist. Salary is dependent on qualifications. Please send a letter of interest; curriculum vitae; and names, addresses, and telephone numbers of three professional references to: Nova Southeastern University, Office of Human Resources (Position Number 998767), 3301 College Avenue, Ft. Lauderdale, FL 33134. Nova Southeastern is an Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

FACULTY POSITION MARINE OR ENVIRONMENTAL MICROBIOLOGY

The Scripps Institution of Oceanography and the Section of Molecular Biology in the Division of Biology, University of California, San Diego, invite applications for an ASSISTANT (tenure track), ASSO-CIATE (tenured) or, in exceptional cases, FULL **PROFESSOR** (tenured) in the area of marine or environmental microbiology. The successful candidate will use molecular approaches to the study of fundamental problems in prokaryotic microorganisms, preferably from a marine environment. Areas of interest include but are not limited to archaeal biology, microbial interactions in biofilms or symbioses, and whole genome approaches to microbial evolution and diversity.

The successful candidate will hold joint appointments in the two departments as part of a developing program in microbiology. The successful candidate is expected to develop or continue a vigorous research program of relevance to the goals of both departments and to participate in undergraduate and graduate teaching in microbiology. Candidates must have a Ph.D. or equivalent degree. Salary will be commensurate with level of appointment and based on the University of California salary scale.

Applications received by July 31, 2001, will be assured of consideration. Send a letter of application including curriculum vitae; a complete list of publications; a brief description of research interests and professional goals; and the names, addresses, e-mail addresses, telephone and FAX numbers of at least three references to: Chair, Marine/Environmental Microbiology Search Committee, SIO Graduate Department/UCSD, 9500 Gilman Drive, La Jolla, CA 92093-0208. UCSD is an Affirmative Action/Equal Opportunity Employer.

The Division of Rheumatology, Allergy, and Immunology of Virginia Commonwealth University seeks a tenure-track Physician-Scientist at the ASSIST-ANT/ASSOCIATE PROFESSOR level. The qualified M.D. or M.D./Ph.D. candidate should be Board-certified/Board-eligible in internal medicine. Board-certified/Board-eligible in allergy/immunology or rheumatology is preferable. Candidates will be expected to develop an independent research program utilizing cutting-edge molecular and cell biology technologies to address important problems in these disciplines. Substantial resources are available for career development. Interested candidates should send their curriculum vitae, letter of interest, and three references to: Dr. Lawrence Schwartz, Chair, Division of Rheumatology, Allergy, and Immunology, Virginia Commonwealth University, P.O.B. 980263, Richmond, VA 23298-0263. Email: lschwart@hsc.vcu.edu. VCU is an Equal Opportunity/Affirmative Action Employer. Women, minorities, and persons with disabilities are encouraged to apply.

UNIVERSITY OF FLORIDA

Seeking an ASSISTANT/ASSOCIATE PRO-FESSOR/PROFESSOR for the Department of Medicine, Division of Endocrinology. M.D. degree with three years of experience required postfellowship. Board certified/Board eligible in internal medicine and/or endocrinology. The responsibilities will include directing endocrine and diabetes outpatient clinics at the VAMC, Gainesville, Florida. Will see patients one-half day per week at the endocrine clinics in Shands Medical Plaza. Attend on the endocrine consult service. Teach endocrine Fellows/Residents. Develop interest in diabetes/endocrine-related clinical research/clinical trials. Salary and benefits commensurate with experience. Recruiting deadline: June 8, 2001. Anticipated starting date: August 1, 2001. Please reply with curriculum vitae to: Mohammed S. Nizam, M.D., Clinical Assistant Professor, Box 100277 JHMHC, Gainesville, FL 32610.

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POSITIONS OPEN

FACULTY POSITION PHARMACOLOGY

Texas Tech University Health Sciences Center (HSC) School of Pharmacy invites applications for a tenure-track faculty position at the **ASSISTANT** or **ASSOCIATE PROFESSOR** level in the Department of Pharmaceutical Sciences. The Department has 18 faculty members with research interests in biotechnology/genomics, cancer, vascular biology, and pharmaceutics/pharmacokinetics. Applicants must have a Doctoral degree and postdoctoral training experience. An undergraduate degree in pharmacy is preferred but not required. Academic responsibilities will include teaching undergraduate and graduate courses, mentoring graduate students, developing an extramurally funded research program, and participating in service activities.

The School of Pharmacy is located in a more than 102,000-square-foot building on the Harrington Regional Medical Center complex. For more information, visit our website: http://pharmacy.ama. ttuhsc.edu. Applicants should submit curriculum vitae, a brief summary of research and teaching interests, and names and addresses of at least three references to: Dr. Quentin Smith, Texas Tech University HSC, School of Pharmacy, 1300 Coulter Drive, Amarillo, TX 79106. FAX: 806-356-4034; e-mail: quentin@cortex.ama.ttuhsc.edu. Texas Tech University Health Sciences Center is an Equal Opportunity/ Affirmative Action Institution. Minorities and women are encouraged to apply.

HEAD OF DEPARTMENT PHYSIOLOGY AND BIOPHYSICS Dalhousie University

The Faculty of Medicine, Dalhousie University, is seeking an individual with a strong record of accomplishment in research, education, and administration to provide leadership for its Department of Physiology and Biophysics. Qualified candidates will have a Ph.D. and/or M.D. degree. This is a full-time academic appointment (initial five-year term with review) with responsibilities for the administration and development of teaching and research programs and their associated personnel, financial, and facility resources in the Department.

For a copy of the full position description, please Telephone: 902-494-1880. The Department of Physiology and Biophysics website is http://www. physiology.dal.ca

Send applications with current curriculum vitae and the names and addresses of three references to:

Dr. M. M. Hansell Chair, Physiology and Biophysics Headship Search Committee c/o Faculty of Medicine, Dalhousie University Room C-205, Clinical Research Center 5849 University Avenue Halifax, NS B3H 4H7 Canada

Application deadline: July 31, 2001. In accordance with Canadian immigration requirements, this advertisement is directed to Canadian citizens and permanent residents of Canada. Dalhousie University is an Employment Equity/Affirmative Action Employer. The University encourages applications from qualified aboriginal people, persons with a disability, racially visible persons, and women.

COLUMBIA UNIVERSITY Department of Pathology

The Department of Pathology at Columbia University has several positions available (both tenured and nontenured) within the Institute of Cancer Genetics at ASSISTANT, ASSOCIATE, and FULL PRO-FESSOR ranks. Interested candidates with a Ph.D. and an outstanding record of research accomplishments are sought to initiate research programs for investigating the control of genomic stability and DNA repair in normal and cancerous cells. Send curriculum vitae, statement of research interests, and the names of three references to: Dr. Riccardo Dalla-Favera, Institute for Cancer Genetics, Columbia University, 1150 St. Nicholas Avenue, Room 303, New York, NY 10032. Columbia University takes Affirmative Action to ensure Equal Employment Opportunity.



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

POSTDOCTORAL RESEARCH FELLOW(S)

THE NATIONAL CANCER

INSTITUTE IS AN EQUAL

OPPORTUNITY EMPLOYER

Scott & White is one of the nations largest integrated healthcare systems with a 515 physician clinic and a 486 bed hospital and affiliated with the Texas A&M University College of Medicine.

We seek a candidate with a Ph.D. in Pharmacology with at least 1 year experience in postdoctoral training. Must have experience in stereotaxic surgery and animal behavior testing laboratory equipment. You will perform various neurophysiological and behavior testing in animals, including: testing the effects of various drugs, performing surgical procedures and participating in the daily care of the laboratory animals involved.

We also seek a candidate with a Doctoral degree and experience in cellular and molecular biology techniques, including but not limited to recombinant DNA technology, cell transfections, protein isolation techniques, protein expression and purification, cell culture and experience in FACS analysis and fluorescence microscopy.

We offer a competitive salary and benefits package, including relocation assistance. Qualified candidates should mail their resume to Scott & White, Attn: Brenda Thompson, 2401 S. 31st Street, Temple, TX 76508, fax to (254) 724-1631, e-mail to BRThompson@swmail.sw.org or phone (800) 527-5627. EOE



VISUALIZE THE EXPANSION OF YOUR CAREER

Based in Cambridge, MA, USA, EPIX Medical, Inc. (NASDAQ:EPIX)

is developing targeted contrast agents to improve the capability

and expand the use of magnetic resonance imaging (MRI) as a

tool for diagnosing human disease. We currently have the

following opportunity available:



MR Physicist

EPIX is currently seeking an MR Physicist to be part of the team responsible for managing and implementing both our clinical and pre-clinical for our MRI contrast agent research. The job includes heading the planning and execution of animal imaging studies using newly invented contrast agents, particularly at leading academic centers under the sponsorship of EPIX, as well as interacting with investigators and physicians at international clinical research sites.

The ideal candidate would have a Ph.D. and at least 2 years research experience using and developing innovative MR imaging techniques. Excellent communication skills and the ability to work with multidisciplinary teams are required.

We offer a competitive salary, a comprehensive benefits package including stock options, and career advancement opportunities within a growing company. Interested candidates should forward their CV to: bsousa@epixmed.com, EPIX Medical, Inc., 71 Rogers Street, Cambridge, MA 02142 or Fax (617) 250-6041. Equal Opportunity Employer



POSITIONS IN X-RAY PROTEIN CRYSTALLOGRAPHY AND STRUCTURE-BASED DRUG DESIGN Southern Research Institute Birmingham, Alabama

Immediate opening for a **POSTDOCTORAL AS-SOCIATE**. The research project will focus on structural characterization of proteins involved in DNA repair and cellular signaling and on structure-guided drug design to target proteins. Experienced X-ray Crystallographers or Molecular Biologists/Biochemists interested in expanding into structural biology and molecular modeling are greatly encouraged. Please forward application letters accompanied by curriculum vitae, names and addresses of three references, and a research summary to the address below. Must refer to Position Number 881.

Our **RESEARCH ASSISTANT/ASSOCIATE** opening requires a B.S./M.S. in biochemistry, molecular biology, biophysics, or a related discipline. This position requires experience in protein expression, purification, and growing crystals of purified proteins. Résumés must refer to Position Number 880.

Competitive salary and complete benefits package. Send to: Southern Research Institute, Human Resources Department, P.O. Box 55305, Birmingham, AL 35255-5305. FAX: 205-581-2880; email: s.r.brown@sri.org; website: www.southernresearch.com. Equal Employment Opportunity/Affirmative Action.

FACULTY POSITION MOLECULAR PHARMACOLOGY/ TOXICOLOGY

The Department of Pharmacology at Marshall University, Joan C. Edwards School of Medicine, invites applications for a tenure-track faculty position at the level of ASSISTANT PROFESSOR in the area of molecular pharmacology or toxicology. Minimum requirements include a Ph.D. in pharmacology, toxicology, or related field and at least two years of postdoctoral experience. Applicant research should focus on the use of molecular approaches to study the mechanisms of drugs or other agents on the nervous, cardiovascular, pulmonary, renal, or hepatic systems. The successful candidate will be expected to develop/ maintain an extramurally funded research program, teach pharmacology to medical students, participate in graduate student education, and contribute to the service activities of the Department. Additional information regarding the Department can be found at website: http://meb.marshall.edu/pharm/. Ap-plications will be accepted until the position is filled. Send curriculum vitae; one-page statement of research interests; and the names, addresses, and e-mail addresses of three references to: Dr. Monica Valentovic, Chair, Faculty Search Committee, Department of Pharmacology, Marshall University, Joan C. Edwards School of Medicine, 1542 Spring Valley Drive, Huntington, WV 25704-9388. E-mail: valentov@marshall.edu. Marshall University is an Equal Opportunity/Affirmative Action Employer

POSTDOCTORAL RESEARCH ASSOCI-ATE position available at Center for Inherited Disorders of Energy Metabolism, Pediatrics, and Genetics, Case Western Reserve University, for Ph.D. with molecular biology training to develop molecular testing and genetic investigation related to disorders of mitochondrial metabolism. General information at website: www.cwru.edu/med/CIDEM/cidem.htm. U.S. ditizenship, residency, or visa required. Send curriculum vitae, cover letter, and reference contacts to: Douglas Kerr, M.D., Ph.D., 11100 Euclid Avenue, Cleveland, OH 44106-6004. E-mail: dxk8@ po.cwru.edu.

POSTDOCTORAL POSITION to study proteins that regulate cell division. Ph.D. in biochemistry/molecular biology required. Join a team effort to perform proteomics research applicable to mammalian cloning. ES cell, and IVF technologies. Send cover letter, curriculum vitae, and the names of three references to: Dr. Carol Warner, Department of Biology, 414 Mugar Hall, Northeastern University, Boston, MA 02115. E-mail: cmw@neu.edu.

POSITIONS OPEN

POSTDOCTORAL RESEARCH FELLOW Columbia University, New York, New York U.S.A.

A funded Postdoctoral position involving research into the molecular mechanisms surrounding the transformation of inflammatory conditions into cancer is currently available. The project goal is to develop and manipulate the model using genetics, knockout/trangenic mice, and colonoscopy. Candidates must have an M.D. or Ph.D. The ideal candidate will be facile in protein biochemistry and/or molecular biology and work with animals.

Candidates should send curriculum vitae and a statement of research interest and experience with the names and addresses of three references to:

Emina H. Huang, M.D. Department of Surgery 161 Fort Washington Avenue New York, NY 10032 E-mail: eh257@columbia.edu FAX: 212-305-0267

Neuropsychiatry Research Unit, Department of Psychiatry, University of Saskatchewan, Saskatoon, Saskatchewan. Two **ASSISTANT PROFESSOR POSITIONS** in the areas of neuroanatomy, molecular genetics, molecular neuropsychopharmacology, and biological psychiatry are available. The successful candidate(s) should possess the Ph.D. or M.D. or equivalent with at least three years of research experience. Salary and benefits commensurate with qualifications. Some start-up funds provided. The candidate(s) will be offered a permanent position at the end of a three-year probation period.

Positions are open until filled. Submit curriculum vitae, the names of three references, and a statement of current research interests to: Dr. Xin-Min Li, Al14 MRB Neuropsychiatry Research Unit, University of Saskatchewan, Saskatoon, SK S7N 5E4 Canada. FAX: 306-966-8830; e-mail: Xin-Min.Li@usask.ca. The University is committed to Employment Equity. Members of designated groups are encouraged to self-identify in their applications.

PROFESSOR TENURE TRACK

The Emory University Department of Physiology invites applications for a TENURE-TRACK FAC-ULTY POSITION in the area of regulation of membrane proteins and transport. Applicants with interests in membrane protein genetics, gene regulation, cell signaling pathways, and trafficking of membrane proteins are encouraged to apply. A Ph.D. and/or M.D. degree, several years of postdoctoral training, and a publication record of strong research accomplishments are required. Application review will begin July 1, 2001, and continue until the position is filled. Please send letter of application, curriculum vitae, description of research program and interests, and the names of three references to: Dr. Robert B. Gunn, Chairman, Department of Physiology, Emory University School of Medicine, 1648 Pierce Drive, Atlanta, GA 30322-3110. Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITIONS are available to study basic processes of sensory innervation, vascular relaxation, cell Ca2+ metabolism, and the vascular endocannabinoid system at the tissue, cell, and molecular level. The position requires a Ph.D. and/or M.D. and skills in the use of isolated small artery preparations and knowledge of cardiovascular pharmacology. Approaches include the use of transgenic mouse models, isolated perfused resistance arteries, confocal microscopy, and cell culture. Contact: Dr. Richard Bukoski, Director, Cardiovascular Disease Research Program, Biomedical/Biotechnology Research Institute, North Carolina Central University, 700 George Street, Durham, NC 27702. E-mail: rbukoski@wpo.nccu.edu. NCCU is a constituent institution of the University of North Carolina System and an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

POSTDOCTORAL FELLOWSHIP NATIONAL CANCER INSTITUTE NATIONAL INSTITUTES OF HEALTH

A Postdoctoral position is available in the Developmental Signal Transduction Group, National Cancer Institute at Frederick, Maryland, under the leadership of **Dr. Ira Daar**. This project entails the generation and characterization of mice containing null alleles for a protein tyrosine phosphatase that is a newly discovered member of the FGF signaling pathway. Using Cre and Flp-mediated recombination (see *Nat. Genet.* **18:**136), an allelic series will be generated at the phosphatase locus including null, hypomorphic, and tissue-specific knockout alleles. This project is a collaborative effort with the laboratory of **Mark Lewandoski**, head of the Genetics of Vertebrate Development group.

Applicants should have experience in molecular biology and those with experience in mouse embryology will be given preference.

The laboratory offers both a unique and exciting environment for postdoctoral research and an excellent opportunity to receive training in a premier center of mouse molecular genetics.

If interested, please send a cover letter, your curriculum vitae, and the names of three references to either: Dr. Mark Lewandoski, Cancer and Developmental Biology Laboratory, or Dr. Ira Daar, Regulation of Cell Growth Laboratory, NCI-Frederick, Building 560, Room 22-3, Frederick, MD 27102. E-mail: mlewandoski@mail.ncifcrf.gov or daar@ncifcrf.gov. The NIH is an Equal Opportunity Employer.

FACULTY POSITION

The Department of Virology and Immunology at the Southwest Foundation for Biomedical Research invites applications for faculty-level positions at the ASSISTANT, ASSOCIATE, or SCIENTIST level. The Department has nine faculty with research programs focusing on hepatitis viruses, human and simian immunodeficiency viruses, and herpes viruses. Major strengths of the Foundation are the extensive nonhuman primate resources, which include baboons, chimpanzees, and macaques. There is a strong postdoctoral training program and a close association with the University of Texas Health Science Center at San Antonio including a role in graduate education. All candidates must have as a minimum a Doctoral degree in the biological sciences or an M.D. degree and have completed at least two years of relevant postdoctoral research. Three or more years of relevant postdoctoral research are preferred. Candidates for Assistant Scientist must have the potential for building and directing an independent research program in animal virology. Candidates for Associate and Scientist must have demonstrated ability to direct an independent research program in animal virology and must have been shown to be competitive for extramural support. All areas of virology will be considered but preferences will be given to emerging viral agents that require maximum containment. Please mail curriculum vitae, a description of research interest, and the contact details for three references to: Director of Human Resources (01-021S), Southwest Foundation for Biomedical Research, P.O.B. 760549, San Antonio, TX 78245-0549. Equal Opportunity Employer.

POSTDOCTORAL POSITIONS

Two Postdoctoral Fellows are sought to collaborate in studies on the relationship between intrinsic disorder and protein function (see **Dunker et al.**, Journal of Molecular Graphics and Modeling **19**:26–59, 2001). One Fellow should be an expert in phage display technology, and the second Fellow should aspire to a career in bioinformatics with programming skills in UNIX/ or Linux/C++, Java, and Perl. For more details, visit **website:** http://disorder.chem.wsu.edu. Use email to send résumé and to have three support letters sent to: **A. Keith Dunker; e-mail: dunker@** disorder.chem.wsu.edu. Washington State University is an Affirmative Action/Equal Opportunity Employer. Our client belongs to one of the world's leading pharmaceutical companies with its headquarter based in Basel, Switzerland. Key elements of their outstanding position are continuous investment in innovative R&D projects and state-of-the-art technologies. Their Oncology Business Unit discovers, develops and markets products that improve the quality of life for patients suffering from cancer. Within this unit the department "Pharmacology-Oncology Research" is currently being expanded and seeks several qualified and motivated scientists as

Laboratory Heads Pharmacology in oncology research

Responsibilities

Management of a laboratory unit for the in vivo evaluation of novel cancer therapies in animal models; design, introduction and evaluation of new in vivo models, to include molecular pharmacology; use of histopathological and molecular biological techniques to evaluate tissues from animal experiments; close cooperation with international project teams and other lab units to profile and discover the potential of new and marketed compounds; responsibility for laboratory personnel and budget.

Requirements

PhD degree in a life science and at least 2 years postdoctoral experience in the use of in vivo models in experimental research or drug discovery; preferably experience in oncology and establishment of relevant animal models; excellent interpersonal and communication skills; ability to work in interdisciplinary and international projects and a strong team spirit.

If you are seeking a unique opportunity, we can offer you a demanding position in a dynamic and challenging environment in one of the world's leading pharmaceutical companies. Please address your application to

Pro Recruit, Mrs B. Ostmann

Prinzenpark, Prinzenallee 7, 40549 Düsseldorf, Germany Tel: 0049/211/52391125, Email: pharmacology@prorecruit.de



pro recruit

Professorship in Evolutionary Biology

This position is a full professorship at the Institute of Zoology in the Department of Integrative Biology, University of Basel. Applicants should have an internationally competitive research program, outstanding scientific achievements, and extensive teaching experience in the area of animal evolutionary biology. There are no restrictions concerning the animal groups to be investigated.

The successful candidate will be expected to establish a highly productive research group and to participate in the teaching of general zoology, evolutionary biology, behavioral biology and ecology as well as in advanced practical courses in the laboratory and in the field. The usual contribution to academic administration is expected.

Basel offers a stimulating environment for interdisciplinary interactions in the life science community that includes the Department of Integrative Biology and the Biocenter of the University as well as the associated Swiss Tropical Institute and the Friedrich Miescher Institute.

Applications of woman scientists are specifically encouraged. Applications including a curriculum vitae, a publication list, a short summary of current and future activities in research and teaching, copies of three recent key publications, and names and addresses of three referees, should be sent by **July 6, 2001** to:

Prof. Dr. A. Zuberbühler, Dean Faculty of Science, Klingelbergstr. 50, CH-4056 Basel, Switzerland

For additional information contact: Prof. Heinrich Reichert (Heinrich.Reichert@unibas.ch)

Tenure Track Investigator

The National Institute on Aging (NIA), Intramural Research Program, Laboratory of Clinical Investigation is recruiting a Tenure Track Investigator to develop an independent research program in the area of neurodegenerative disease. Candidates should have an MD or MD/PhD with at least 3 years post doc experience and an exceptional publication record. It is desired that the candidate may be a neurologist, psychiatrist, or other related medical specialty and have experience in patient-oriented neurodegenerative disease research with a focus on Alzheimer's disease. As new therapeutic targets are identified, the individual should have appropriate training and experience to exploit them with the development of strategies for clinical exploration of the target. Interested candidates should send curriculum vitae and bibliography, two-page statement of research interests, and three letters of recommendation. Send to

LCI/Search Comm. Chair c/o Pat Boyce, Rm 1D09, Box 26, Human Resources Office, National Institute on Aging, Gerontology Research Center, 5600 Nathan Shock Drive, Baltimore, MD 21224-6825. State Announcement # NIA-01-008(GRC) on address. Applications must be received by August 1, 2001.



NIA is an Equal Opportunity Employer



HARVARD MEDICAL SCHOOL MASSACHUSETTS GENERAL HOSPITAL CANCER CENTER

POSTDOCTORAL POSITIONS are available to investigate molecular mechanisms of gene regulation in normal and cancerous cells. Projects in our laboratory include exploring the role of the androgen receptor in the development of prostate cancer; studying functions of a newly discovered coactivator (Näär et al., Nature 398:828-832, 1999); and identifying other novel activities involved in modulation of chromatin structure and gene activity (see website: http:// www.mgh.harvard.edu/depts/cancercenter/ Faculty.html). These studies will take advantage of both cellular and biochemical strategies such as whole genome expression analysis with DNA microarrays and chromatin-based in vitro transcription systems. Interested applicants should have a Ph.D. and/or M.D. degree and experience in biochemistry and molecular biology. Please send a letter stating research interests, curriculum vitae with past research experience, and contact information for three references to:

Anders M. Näär, Ph.D. Harvard Medical School and Massachusetts General Hospital Cancer Center Building 149, 13th Street, Room 7404 Charlestown, MA 02129 FAX: 617-726-5637 E-mail: naar@helix.mgh.harvard.edu

Faculty position: nephrology and hypertension. The University of Pennsylvania has a position at the ASSISTANT PROFESSOR level for a Clinical Educator (nontenure track) specializing in the care of patients with hypertension and renal disease. The applicant will have a primary role in the hypertension program at Penn. This program provides evaluation and management of antihypertensive drug resistance, renovascular disease, and endocrine hypertension using up-to-date methods and services in radiology and both vascular and endocrine surgery in addition to providing ambulatory blood pressure monitoring as a clinical service. Duties include outpatient hypertension care (all aspects of hypertension) and inpatient consultative nephrology and care of patients with ESRD. Protected time for clinical research will be available including participation in extramurally funded research clinical trials. Applicant must be Board eligible/certified in nephrology. Interested individuals should forward applications with curriculum vitae and at least three references to: Laurence Turka, M.D., Chief, Renal-Electrolyte and Hypertension Division, University of Pennsylvania Health System, 700 Clinical Research Building, 415 Curie Boulevard, Philadelphia, PA 19104-6144. The University is an Affirmative Action/Equal Opportunity Employer. Women and minorities are strongly encouraged to apply.

RESEARCH DIRECTOR (PH.D.)

Tall Timbers Research, Inc., founded in 1957, is a nonprofit scientific conservation and educational organization known for studies in fire ecology and longterm research on wildlife (particularly bobwhite quail) habitat, resource management, forest stewardship, and ecology of natural communities. Candidates must have research experience stressing wildlife habitat/ resource management, especially in fire-mediated sys tems, with an interest in natural history. Research Director coordinates science division activities integrated with other institutional components (including conservation, development, and communications) and is responsible for personal research program and direction of staff research. Send curriculum vitae and arrange for four letters of reference to be sent by July 20, 2001, to:

Lane Green, Executive Director Tall Timbers Research Station 13093 Henry Beadel Drive Tallahassee, FL 32312-0918 Telephone: 850-893-4153, Extension 239 FAX: 850-668-7781 E-mail: lane@ttrs.org Deadline: July 20, 2001.

POSITIONS OPEN

EDUCATOR/TEACHER CLINICAL ANATOMY

The Department of Cell Biology at the University of Massachusetts Medical School invites applications for a full-time, career-track position to teach and develop innovative curriculum in human anatomy. The appointee will also participate in teaching histology or neuroscience. Appointment will be at the ASSISTANT or ASSOCIATE PROFESSOR level; academic advancement will be based on educational achievements. Qualifications include a Ph.D. or M.D. degree with a strong record in teaching anatomy and experience in embryology, histology, or neuroscience. UMMS has achieved national recognition in medical education and provides stateof-the-art teaching facilities. Interested candidates should send their curriculum vitae with a statement concerning their qualifications and the names of three references to: Susan B. Gagliardi, Ph.D., Search Committee Chair, Department of Cell Biology, University of Massachusetts Medical School, 55 Lake Avenue North, Worcester, MA 01655. E-mail: Susan.Gagliardi@umassmed. edu. We are an Affirmative Action/Equal Opportunity Employer and qualified applicants from all backgrounds are encouraged to apply.

POSTDOCTORAL POSITIONS Cell Cycle Regulation Yale University

Postdoctoral positions are available to study cell cycle regulation utilizing a combination of biochemical and genetic tools in yeast, frog, and mammalian systems. Areas of particular interest include ubiquitin/APC-dependent proteolysis of cyclins and related proteins and regulation of cyclin-dependent kinase activity by phosphorylation (by CDK-activating kinases) and dephosphorylation (by Type 2C protein phosphatases). Please send curriculum vitae and list of references to: Mark J. Solomon, Ph.D., Department of Molecular Biophysics and Biochemistry, 266 Whitney Avenue, Yale University, New Haven, CT 06520-8114. E-mail: Mark.Solomon@ Yale.edu.

DIRECTOR, Center for Environmental Resource Management (CERM), The University of Texas at El Paso. Senior Environmental Scientist or Engineer to direct the CERM and Ph.D. program in environmental science and engineering. A major component of the University's research and education endeavors, CERM provides universitywide leadership and coordination for energy and environmentally related academic research, policy, and service activities. Interested candidates are invited to visit **website: www. utep.edu** for a complete position description and application information or **e-mail: ewebb@utep.edu**. *The University does not discriminate on the basis of race, color, national origin, sex, religion, age, disability, or sexual orientation in employment or the provision of services.*

POSTDOCTORAL POSITIONS: positions available to study endocrine regulation of retinoid activation during development and disease states, genomics of vitamin A action, and mechanisms of retinoid homeostasis. Especially seeking candidates with experience/interest in protein chemistry, cell biology, genomics, and/or transgenic techniques. Send curriculum vitae and names of references to: Dr. Joseph L. Napoli, Ph.D., Department of Nutritional Sciences and Toxicology, 119 Morgan Hall, University of California, Berkeley, CA 94720-3104. FAX: 510-642-0535; e-mail: jna@uclink4. berkeley.edu.

POSTDOCTORAL RESEARCHER

Postdoctoral Researcher position available to conduct research on molecular and cell biological aspects of the interaction of gene knockout mutants of *M. tuberculosis* on host cells. Send curriculum vitae with e-mail and telephone contact information for three to four references to **e-mail: Kolattukudy.2@osu.edu**. *The Ohio State University is an Affirmative Action/Equal Opportunity Employer*.

POSITIONS OPEN

SENIOR SCIENTIST

Osiris Therapeutics, Inc., has a current opening offering an exciting opportunity to assist in the development of novel stem cell therapeutic products for the regeneration of diseased or injured myocardium using proprietary mesenchymal stem cell (MSC) technology.

This individual will supervise and perform laboratory experiments in a research group studying the differentiation of MSCs for the purpose of cardiac muscle regeneration and functional augmentation. Duties include acquiring, analyzing, and summarizing cardiac function data; performing surgery for the implantation of MSCs in healthy and infarcted myocardium; determining the degree of MSC engraftment and differentiation in cardiac tissue, and studying myogenic differentiation in vitro. Requirements include a Ph.D. or M.D. with at least five years of postgraduate experience. Extensive knowledge of cardiac function and physiology is essential. Biotechnology industry experience a strong asset with demonstrated independent project leadership and supervisory skill. The ability to handle multiple tasks within a small group, computer skills, and excellent written and verbal communication skills are required. Qualified candidates should forward their résumé indicating position CM-02-01 to: Osiris Therapeutics, Inc., Attention: Human Resources, 2001 Aliceanna Street, Baltimore, MD 21231-3043. FAX: 603-925-1221; e-mail: HR@osiristx.com. Equal Opportunity Employer.

BIOINFORMATICS SPECIALIST/ASSOCI-ATE BIOLOGIST: Work with Molecular Biologists in developing database structures and computer applications to track detailed research information generated in laboratories. Maintain and support existing laboratory information management systems and develop new systems. Develop tools for use in the analysis of data for gene discovery and to determine gene function. Create a genetic database of oil and seed size information for research aimed at the improvement of crop quality. Requires Master's degree in molecular biology, plant biology, genetics and computer sci-ence, or closely related field. Knowledge of molecular biology techniques and principles of genetics required. Computer requirements include OS environment: UNIX, Windows 95/98 or NT; programming languages: Perl, JAVA, C/C++, CG1 scripting. Forty hours per week. Salary commensurate with experience. Submit résumé to: Box Number 101, 1200 New York Avenue, N.W., Washington, DC 20005

POSTDOCTORAL POSITIONS are available immediately in the molecular genetics of genitourinary cancers. Projects include cancer cell interactions with the extracellular matrix, cell signaling, and regulation of expression of growth factors. Candidates should have a Ph.D. degree and experience in techniques of molecular and cellular biology. Send curriculum vitae, a statement of research interests, and the names and addresses of three references to: James R. Gnarra, Ph.D., Department of Biochemistry and Molecular Biology, Stanley S. Scott Cancer Center, Louisiana State University Health Sciences Center, 533 Bolivar Street, Box 4-18, New Orleans, LA 70112. E-mail: jgnarr@lsuhsc.edu. Louisiana State University Health Sciences Center is an Equal Opportunity Employer/Affirmative Action Employer.

POSTDOCTORAL POSITIONS are available immediately to study regulation of NMDA receptor gene expression. Research project entails promoter analysis. Molecular and cell biology techniques including cell culture and transfections are required. Applications with knowledge of primer extension, methylation, and deletion analysis are preferred. Send complete curriculum vitae and three letters of recommendation to: Dr. Maharaj K. Ticku, Department of Pharmacology, UTHSCSA, 7703 Floyd Curl Drive, San Antonio, TX 78229-3900.FAX:210-567-4226;e-mail:ticku@ uthscsa.edu. UTHSCSA is an Equal Employment Opportunity/Affirmative Action Employer.

CANADA RESEARCH CHAIRS IN PHARMACOGENOMICS AND NEUROPHARMACOLOGY, FACULTY OF PHARMACEUTICAL SCIENCES THE UNIVERSITY OF BRITISH COLUMBIA

The newly created Canadian Research Chairs (CRC) program is enabling Canadian universities and colleges to create and fill academic positions with outstanding research support in key areas.

Applications are invited for two full-time tenure track Assistant/Associate Professors to develop distinguished research and academic teaching programs appropriate to Tier II Canada Research Chair applications. Tier II candidates must demonstrate innovative and original research which would attract excellent trainees and enhance collaborative interactions with UBC's Neurosciences CRC Cluster; and internationally renowned genomic and proteomic research community:

• **Pharmacogenomics Position:** The appointee will be expected to use pharmacogenetic/genomic research technologies directed at the characterization of novel genetic polymorphisms and the application of current and new genetic information to drug metabolism/ transport/delivery/design, disease diagnostics, or drug therapy. Experience in gene chip technologies; high-throughput genotyping/phenotyping; bioinformatics; and genetic database development would be desirable.

• Neuropharmacology Position in autonomic and central nervous system pharmacology: Applicants must have a Ph.D. in pharmacology or related area; are expected to employ advanced techniques; shown to be creative in their research area; compliment the Faculty's internationally renowned research in neuro & cardiovascular pharmacology, drug & lipid metabolism, pharmacokinetics & drug delivery systems. An interest or background in pharmacogenomics would be desirable.

Salaries are negotiable, commensurate with experience and are subject to final budgetary approval. The closing date for applications is **August 31, 2001**; preferred start date is **July 1, 2002**. UBC hires on the basis of merit and is



ns is August 31, 2001; preferred start date is July 1, 2002. UBC hires on the basis of merit and is committed to employment equity. We encourage all qualified persons to apply. Canadian citizenship is not a requirement for this position. Please send applications, including curriculum vitae, description of research interests, copies of up to five publications, statement of teaching interests/accomplishments & names of 5 referees (including 2 at arm's length), to Dean F.S. Abbott, Faculty of Pharmaceutical Sciences, UBC, 2146 East Mall, Vancouver, B.C., Canada V6T 1Z3; Phone: (604) 822-2343; FAX: (604) 822-3035; E-Mail: fabbott@interchange.ubc.ca For Canada Research Chair program: http://www.chairs.gc.ca; and for position details: http://www.ubcpharmacy.org

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INTERDISCIPLINARY NIH, NIDCD

Imaginative engineer/physician/scientist to lead the development of research on the neural prosthetic devices for individuals with hearing, speech, smell, taste or vestibular disorders. Prosthetic devices currently under development include cochlear and brainstem implants and hearing aids.

The National Institutes of Health (NIH), the National Institute on Deafness and Other Communication Disorders (NIDCD), located in Rockville, Maryland, is recruiting for a full-time, Interdisciplinary position in the Division of Extramural Research. The incumbent provides scientific leadership in coordinating a program of grant and contract-supported research aimed at solving technical problems of bioengineering which are hampering the development of practical prosthetic devices and aids for individuals with sensory impairment. Actively participates in planning, conducting and evaluating ongoing research in scientific areas related to deafness and other communication disorders. Incumbent is innovative in developing new research areas related to the mission of the Institute through close contact with academic, clinical, and public communities. This position includes expansion into other NIDCD mission areas, such as laryngeal and vestibular prostheses and olfactory sensors.

This appointment confers government benefits. The salary range is from \$63,211 to \$114,224 per annum and is commensurate with education and experience. Appointee must be a U.S. citizen. However, other appointment mechanisms and incentives may apply in individual circumstances based on experience and expertise with total salary and incentive compensation to be negotiated. If other mechanism is used, resident aliens or nonresident aliens with a valid employment authorization may be considered.

Candidates must meet the GS-401/413/601/602/858-13 level or above qualification standards. See announcement NIDCD-01-0007 at http:// www.careerhere.nih.gov for qualification requirements and application procedures. For further information contact Ms. Jennings on (301) 402-0508 (voice) or (301) 402-1562 TTY. Applications must be postmarked by August 31, 2001. Please annotate announcement number on the application.

> National Institutes of Health Department of Health and Human Services NIH IS AN EQUAL OPPORTUNITY EMPLOYER

ADMINISTRATOR OF ACADEMIC PROGRAMS Massachusetts Institute of Technology

The Department of Earth, Atmospheric, and Planetary Sciences (EAPS) at MIT seeks an individual to manage departmental academic programs. The Administrator of Academic Programs will work with faculty and staff to develop and implement new initiatives for EAPS graduate and undergraduate programs and will oversee all departmental educational activities. Responsibilities include managing the EAPS education office; advising students regarding degree requirements, career options, and policies and procedures; acting as a liaison between the Department and internal and external constituencies including the Woods Hole Oceanographic Institution; overseeing student registration, course scheduling, and production of educational program brochures; supervising the graduate student admissions process; administering graduate student teaching assistantships, Fellowships, and awards; coordinating Independent Activities Period (IAP) and field camp activities; and overseeing freshman advising seminars and Undergraduate Research Opportunities Program (UROP) projects

Requirements: an advanced degree and a background in science (Ph.D. preferred) and three to five years of experience in an academic environment. Must have excellent computer skills. Familiarity with File-Maker pro and graphics software preferred. Position requires strong interpersonal, organizational, and communication skills.

Interested candidates should submit a résumé and cover letter referencing Job Number 01-0443 to: Etaine Smith, MIT Human Resources, P.O. Box 391229, Cambridge, MA 02139-0013. To apply online, use website: web.mit.edu/personnel/ www/resume.htm. MIT is an Equal Opportunity/Affirmative Action Employer. MIT is a nonsmoking environment.

STAFF SCIENTIST: Design and perform experiments of steady-state enzyme kinetics and inhibitor evaluation, fluorescence and absorbance-based assay, radioactive filter-binding assay, protein purification, and enzyme assay development using high-pressure liquid chromatography (HPLC), spectophotometer, radioisotopes, and gel electrophoresis. Analyze data, present results, and organize and record data in company notebook. Perform literature search, perform instrument trouble-shooting and maintenance, and strictly follow safety requirements in the laboratory. Familiarity with biochemistry literature and literature search/retrieval programs (e.g., MedLine, chemical abstracts, STN, etc.); computational methods of data analysis; and proper statistical treatment of experimental data. Must have knowledge of fluorescence and absorbance-based assays, gel electrophoresis, prokaryotic expression systems, HPLC, dialysis, UV spectrophotometer, steady-state enzyme kinetics and inhibitor evaluation, protein purification, enzymology and cell cultivation, optimizing assay conditions, gene sequencing, and PCR or isotope assay. Requires Mas-ter's degree in biochemistry, biochemical engineering, molecular biology, or a related field and two years of experience. Forty hours per week; salary commen-Number 102, 1200 New York Avenue, N.W., Washington, DC 20005.

POSTDOCTORAL FELLOWSHIP POSI-TION available in gene therapy. Successful candidate will have training in molecular biology. Training in hematology is desirable. The project involves gene therapy via marrow transplantation. Other requirements include good publication record and grantwriting skills. Potential for long-term position. Send curriculum vitae, cover letter, and names of three references to: Ms. MacMurray, Loma Linda University, P.O. Box 7210, Loma Linda, CA 92354. Loma Linda University is an Equal Opportunity Employer.

POSITIONS OPEN

DIRECTOR OF DNA SERVICES W.M. Keck Center for Comparative and Function Genomics High-Throughput Sequencing and Genotyping Unit

Proposed starting date: August 1, 2001, or as soon as possible.

Responsibilities: The successful candidate will direct the High-Throughput Sequencing and Genotyping Unit of the W. M. Keck Center for Comparative and Functional Genomics. The primary responsibility of the Director is to assist faculty, university, and industrial partners in planning and executing largescale EST and genome sequencing projects. In addition, the Director is responsible for administering a fragment analysis and core sequencing team that serves more than 200 users. The facility has state-ofthe-art instrumentation for automated DNA sequencing, oligonucleotide synthesis, colony picker and rearraying, and plasmid preparation. The Director supervises a staff of 10 individuals and works closely with the Director of the Bioinformatics Unit and the Functional Genomics Unit of the W.M. Keck Center on integrated genome-scale research projects and technology development.

Qualifications required: M.S. in molecular or cell biology or related field with demonstrated relevant experience; Ph.D. strongly preferred. Demonstrated expertise in a wide array of molecular biology techniques including a solid background in DNA sequencing, data analysis, and library constructions. Prior experience in leading a core facility preferred. Strong technical skills and the ability to troubleshoot; excellent organizational, managerial, and supervisory skills.

Type of position and salary: full-time, 12-month regular academic professional position. Salary is commensurate with experience.

Application: Send letters of application and résumé including the names, telephone numbers, and addresses of three references to:

Rhonda Lipking Biotechnology Center 103 Observatory 901 South Mathews Avenue Urbana, IL 61801 Telephone: 217-333-1695 FAX: 217-244-0466 E-mail: lipking@staff.uiuc.edu

For questions, contact: Harris Lewin, Ph.D., Director, W.M. Keck Center; Telephone: 217-333-5998; e-mail: h-lewin@staff.uiuc.edu

Deadline: For full consideration, applications must be received by 5 p.m. Tuesday, July 10, 2001.

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

VIRAL IMMUNOLOGIST. Advanced Viral Research Corporation seeks Viral Immunologist(s) to investigate mechanism of action of peptide-nucleic acid antiviral biopharmaceuticals, including effects on immune system function. Candidates must be able to design and implement a research program to study role of immunomodulatory drugs in treatment of viral diseases both *in vitro* and *in vivo*. Registered Ph.D. or equivalent and more than two years of postdoctoral experience; expertise in immunology, basic and applied virology, and cell and molecular biology essential. Please submit curriculum vitae to: Human Resources Department, Reference Number MGAD, AVRC, 200 Corporate Boulevard, South, Yonkers, NY 10701. FAX: 914-376-7368.

MEDICAL WRITER PHARMACEUTICALS

Strong general biomedical background; flair for writing; able to evaluate scientific literature and learn new subjects quickly. Write journal articles, lecture scripts, pharmaceutical product overviews. Send résumé to: **Project House**, 1 University Plaza, Suite 210, Hackensack, NJ 07601. E-mail: projecthouse@projhouse.com.

POSITIONS OPEN

PROGRAM ANALYST JOBS AT NINDS

The Cutting Edge of Neuroscience

The Extramural Research Program, National Institute of Neurological Disorders and Stroke, NIH, seeks Program Analysts with excellent analytical, information technology, administrative, and communication skills to help identify new opportunities and directions in neuroscience extramural research. Public health or neuroscience background preferred. Salary: \$44,352 to \$69,099. U.S. attizenship required. The full vacancy announcement with application requirements and procedures is available by FAX: 1-800-728-5627 (request FAX Identification Number 5024) or via the NINDS website: http://www.ninds.nih.gov/jobs_and_training/ index.htm (Announcement Number NINDS-01-0448). Applications are due by July 7, 2001. For questions on how to apply, contact: Human Resources Branch; Telephone: 301-496-6334. NIH is an Equal Opportunity Employer.

POSTDOCTORAL POSITIONS

Two Postdoctoral positions are available to investigate the biosynthesis of bioactive natural products from marine invertebrates. One position is for a Molecular Biologist who will work on the detection, cloning, and molecular characterization of secondary metabolite (terpenoid) biosynthetic genes. This position requires knowledge and experience with the following molecular techniques: total/mRNA isolation and purification, cDNA synthesis and library construction and screening, RT-PCR, mRNA differential display, and genetic database querying. The second position is for a Natural Products Chemist with expertise in the isolation and characterization of natural products. Experience in biosynthetic studies and in protein purification would be an asset.

Please send complete curriculum vitae and three letters of reference to: Russell Kerr, Department of Chemistry and Biochemistry, Florida Atlantic University, 777 Glades Road, Boca Raton, FL 33431-0991. E-mail: rkerr@fau.edu.

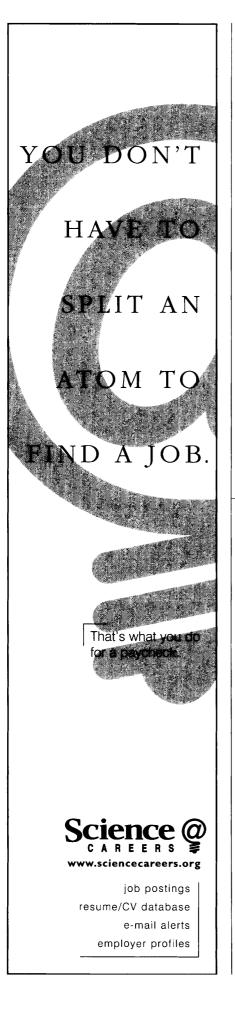
POSTDOCTORAL POSITION FUNCTIONAL GENOMICS

Our research interest is the analysis of cellular differentiation through a combination of genomic, computational, and molecular genetic approaches using *C. elegans* sperm development as a model system. The laboratory is located in the heart of the I–270 biotechnology corridor in close proximity to both NIH and industry leaders in genomics and bioinformatics. Candidates should have a Ph.D. and a strong background in molecular biology. Please send curriculum vitae and contact information for three references by July 15, 2001, to: Dr. Harold Smith, Center for Advanced Research in Biotechnology, University of Maryland Biotechnology, Institute, 9600 Gudelsky Drive, Rockville, MD 20850. E-mail: smithh@carb.nist.gov.

POSTDOCTORAL POSITION in circadian neurobiology/clock proteins: available June 15-30, 2001, to study circadian rhythms and clock proteins in rodents. Neurobiological background and experience in handling/purifying proteins needed; molecular genetics and transfection experience desirable. Send curriculum vitae including names of three references to: Dr. Carl Johnson, Department of Biology, Box 1812-B, Vanderbilt University, Nashville, TN 37235 U.S.A. Email: carl.h.johnson@vanderbilt.edu.

POSTDOCTORAL POSITION

A Postdoctoral position is available at Boston University to investigate bacteria-induced inflammation. Candidates should have a Ph.D. in immunology and currently reside in North America. Salary will be commensurate with experience. Please forward curriculum vitae to: **Dr. Dana Graves; e-mail: dgraves@bu.edu**. Boston University is an Affimative Action/Equal Opportunity Employer.





AVIVA Biosciences Corporation

We are an innovative biotech company, dedicated to the application of breakthrough multiple-force biochip technology for drug discovery and development. We are always creating new positions needing those candidates with outstanding qualifications and a track record in the areas of Microfabrication Engineering, Microfluidics, Applied Physics, Biomedical Engineering, Chemical Engineering, Electrophysiology, Cell Biology and Molecular Biology. Presently, we have openings in our San Diego Office for:

Director of Functional Genomics

We need a hands-on leader of our biochip application project for functional genomics. Preferred experience includes: SNP analysis, mRNA and protein expression profiling, protein detection and quantification. Requires excellent communication and organizational skills. Extensive experience in molecular biology or biochemistry and demonstrated track record of project management puts you at the top. Also, requires a PhD in molecular biology or related, with a minimum of 10 years in research and management.

Director of Pharmaceutical Applications

We need an individual with proven leadership skills, capable of providing the strategic vision to identify and develop drug-discovery related biochip applications based on AVIVA's proprietary technology. Must be self-motivated and have a firm understanding of the drug discovery process and have extensive experience in pharmacogenomics, pharmacology, toxicology and drug development. Requirements include M.D./Ph.D. in biological sciences and 10 years research and management experience.

Sr. Scientists - Ion Channel Electrophysiology

We need experienced Scientists to participate in designing and testing biochip patch-clamp devices. Requires Ph.D. in Electrophysiology or related areas. Must have 4 years in patch-clamp recording, cell/molecular biology. Expertise in cell fluorescent-imaging techniques and experience in ion-channel drug development are a plus.

In addition to a competitive salary, AVIVA offers an extensive benefit package. If you are interested in joining an exciting young company, send your resume and salary requirement to HR at: 11568 Sorrento Valley Road, Suite 9, San Diego, CA 92121; Fax: (858) 259-8685, jobs@avivabio.com

FACULTY POSITIONS Call for Papers The Association for Environmental Health & CARDIOVASCULAR Sciences (AEHS) and The Navy present 12th Annual West Ceast Centerence on RESEARCH Contaminated Applicants are sought for faculty positions in the Soils. Sediments. and Water Cardiovascular Research Institute and/or Department of Anesthesiology, University of Medicine and Dentistry of New Jersey- New March 2002, San Diego, CA Jersey Medical School. **Sessions** Contributed Papers and Posters are invited for prese ation in the general sessions in the following areas: Applicants should have a Ph.D., M.D. or D.V.M., Beneficial re-use • Legal issues in Environmental Health /Toxic Tort Litigation should of demonstrated excellence in basic Bioavailability science research, & should be well published in Bioremediation Method Detection Limit (MDL)/Practical Quantitation Limit (PQL) leading scientific journals. Brownfields Chemical analysis A background in proteomics or genomics will be Chlorinated compounds (pesticides, solvents, etc.) Mining impacts MTBE/oxygenates (regulatory issues, plume characterization, etc.) required for one position. Cleanup standard setting Contamination at military Send resume including the names of at least 3 references & a description of research interests installations Natural attenuation Ecological risk assessments & indicate whether interests relate to an Oil and gas production (issues and trends) Environmental acceptable esthesiology related research or basic endpoints Perchlorate and TCE cardiovascular research to: Enviro mental fate and Environmental rate and modeling Environmental forensics Phytoremediation Stephen F. Vatner, M.D., Director · Regulatory programs and **Cardiovascular Research Institute** GIS/Data Visualization policies Risk based corrective actions (RBCA) Hazard, exposure and risk assessment UMDNJ, New Jersey Medical School MSB-1576 Sediments Heavy metals (arsenic, lead, Site assessment/field 185 South Orange Ave., Newark, NJ 07103 chromium and mercury) sampling Soil chemistry Hydrocarbon identification UMDNJ is an Affirmative Action/Equal Innovative remedial technologies/corrective Wetland restoration Opportunity Employer, M/F/D/V and is a member Case studies on any of the above actions of the University Health Systems of NJ. Deadline for Submission is July FOR FURTHER INFORMATION and abstract submital guidelines, please see our website (www.aehs.com) or contact Marc Nascarella UNIVERSITY OF MEDICINE & AEHS 150 Fearing Street, Suite 21, Amherst, MA 01002-1944 Tel: 413-549-5561 • Fax: 413-549-0579 email: marc@aehs.com WWW.apps.com

POSTDOCTORAL RESEARCH POSITIONS are currently available in the Viral Exanthems and Herpesvirus Branch (VEHB) of the Division of Viral and Rickettsial Diseases (DVRD) at the Centers for Disease Control and Prevention (CDC) in Atlanta, Georgia. The VEHB molecular epidemiology laboratory performs research related to molecular and immune aspects of fatiguing and chronic diseases. We are looking for Scientists with a strong desire to apply state-ofthe-art molecular and/or immunological technology to biologic questions of public health significance.

One Postdoctoral Fellow will perform molecular profiling studies to demonstrate differential gene expression in patients with chronic illnesses. Experience with both DNA and RNA molecular protocols is necessary. Experience with nucleic acid array technology and/or differential display is desired. The project is a part of a large effort to identify unique molecular aspects of chronic fatiguing illness.

One Postdoctoral Fellow will perform experimental assay design and validation for the assessment of mucosal immune components and local immune response to human papillomavirus infection. Analytes to be assessed include pathogen-specific antibodies and cytokines as a measure of local immune response. These studies are a component of a larger early cancer detection research project to identify biomarkers of precancerous cervical disease.

Salaries will be competitive and based on experience and publication record. Please send curriculum vitae including publications list and names of three references to: Dr. Kevin L. Karem, CDC, 1600 Clifton Road, N.E. (G-16), Atlanta, GA 30333. E-mail: kkarem@cdc.gov.

The CDC is an Equal Opportunity Employer.

POSTDOCTORAL POSITIONS are available immediately to study organophosphorous antagonism with recombinant enzymes in various drug delivery systems. The project involves generation, expression, and purification of recombinant enzymes and use of drug delivery systems. Candidates should have a Ph.D. in pharmacology, toxicology, or biochemistry. Must be willing to relocate to San Francisco. Please send curriculum vitae and names of three references to: James L. Way, Ph.D., Department of Medical Pharmacology and Toxicology, Texas A&M University, HSC, College Station, TX 77843-1114. FAX: 979-845-0699; e-mail: jlway@tamu.edu.

Yale University School of Medicine: **POSTDOC-TORAL POSITION** available in stem cell research focusing on tissue-specific transgene expression after bone marrow transplantation. (See recent publication *Cell* **105**:369–377, 2001). Candidates with a strong background in molecular and cellular biology are encouraged to apply. *Applicant must be U.S. citizen or permanent resident*. Send curriculum vitae, statement of research interests, and names of three references to: **Diane Krause**, **M.D.**, **Ph.D.**, **Yale University**, **333 Cedar Street**, **P.O. Box 208035**, **New Haven**, **CT 06520**. **E-mail: diane.krause@yale.edu**.

POSTDOCTORAL RESEARCH ASSOCI-ATE position available immediately to study the ubiquitin-dependent proteolysis in controlling cell growth and differentiation and to explore the applications of a novel protein knockout technology. Experiences in protein purification or mouse models are desirable. Send curriculum vitae and references to: Dr. Pengbo Zhou, Department of Pathology, Weill Medical College of Cornell University, 1300 York Avenue, C417, New York, NY 10021. Email: pez2001@ med.cornell.edu.

A POSTDOCTORAL POSITION is available to study the p53 tumor suppressor and MDM2 oncogene (JBC 274:15271; Oncogene 19:232; JBC 276: 6874; BBRC 279:1001). A Ph.D. degree and background in molecular biology and biochemistry are required. Please send curriculum vitae to: Dr. Jiandong Chen, H. Lee Moffitt Cancer Center, 12902 Magnolia Drive, Tampa, FL 33612 U.S.A. E-mail: jchen@moffitt.usf.edu.

POSITIONS OPEN

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For details, visit our website: www.training.nih.gov NIH is dedicated to building a diverse community in its training and employment programs.

BASIC SCIENCE RESEARCH NOVEL THERAPIES FOR NEURODEGENERATIVE DISEASE at Harvard

We need outstanding candidates for **POSTDOC-TORAL** (Ph.D. or M.D.) **RESEARCH POSI-TIONS** in molecular and functional neurobiology at the NIH/NINDS Morris K. Udall Parkinson's Disease Research Center of Excellence at Harvard Medical School/McLean Hospital and the Center for Neuroregeneration Research at McLean Hospital. Please send curriculum vitae and references to:

Director: Dr. Ole Isacson Neuroregeneration Laboratories McLean Hospital/Harvard Medical School 115 Mill Street Belmont, MA 02478 U.S.A. E-mail: pohlmans@mclean.harvard.edu Website: http://neuroregeneration.org

POSTDOCTORAL POSITION in molecular neuroscience is available immediately to study the molecular bases of sleep and synaptic plasticity. Strong background in molecular biology required. Additional experience in neuroscience, signal transduction, or transgenic/knockout technology is desirable. The applicant is expected to use molecular biology methods to study gene expression associated with sleep and synaptic plasticity and to make vector constructs for developing transgenic animals. Please send curriculum vitae and names and addresses of three references to: Dr. Jidong Fang, Department of Psychiatry, Penn State College of Medicine, P.O. Box 850, Hershey, PA 17033-0850. E-mail: jfang@psu.edu. Applications accepted until position is filled. For your health, the Penn State College of Medicine is a smoke-free campus. Affirmative Action/ Equal Opportunity Employer.

POSTDOCTORAL RESEARCH FELLOWSHIP (PVN Number MP771)

Fellowship for an experienced Molecular Biologist/Biochemist for research involving cell culture, PCR, transfection, small animal surgery, membrane isolation, enzyme purification, HPLC, etc. \$40,000 to \$45,000 per annum plus benefits. Details at website: www.ccny.cuny.edu/positions. Submit résumé and names, addresses, and telephone numbers of three references to: Dr. Kho Kashfi (Attention: Gail Farley), Department of Physiology and Pharmacology, The CUNY Medical School, 138th Street and Convent Avenue, New York, NY 10031. The CUNY Medical School is an Equal Opportunity Employer.

POSTDOCTORAL RESEARCH SCIENTIST position available immediately to study HIV-1 life cycle in human neural cells with emphasis on regulation of viral replication. Applicants should have a Ph.D. with extensive experience in molecular biology, virology, and cell culture. Direct inquiries by post or e-mail (text only; no attachments) including names/ addresses of three references to: Dr. David J. Volsky or Dr. Mario Canki, Columbia University/St. Luke's-Roosevelt Hospital Center, Molecular Virology Laboratory, 432 West 58th Street, Antenucci Research Building, Room 709, New York, NY 10019. E-mail: mc366@columbia.edu. Columbia University takes Affirmative Action towards Equal Employment Opportunity.

25 MAY 2001 VOL 292 SCIENCE www.sciencemag.org

POSITIONS OPEN

TWO POSTDOCTORAL FELLOWSHIPS IN NEUROSCIENCE California Institute of Technology

Applications are invited for two Postdoctoral Research positions available immediately to join a collaborative research program between the laboratories of Partha Mitra at Bell Laboratories (Murrav Hill. New Jersey) and Professor R. Andersen at the California Institute of Technology (Pasadena, California). The research project will examine the temporal correlation structure of activity within and between local and distant cortical areas in parietal and frontal areas during cognitive tasks involving memory and planning of eye and arm movements. Multisite recordings of single cell activity and local field potentials will be made in behaving monkeys and the data analyzed using modern statistical methods for stochastic processes and maching learning techniques. The experimentalist will be located at Caltech and the theorist at Bell Laboratories. The goal of the research is to elucidate the underlying functional architecture and multisite dynamics of neural activity in local and long-range circuits involved in working memory

Theorist Position Number 400: The successful candidate should have training in an analytical subject (preferably in theoretical physics) as well as computational experience and/or experience with statistical analysis. The candidate should be motivated to work in understanding neural systems. The position offers an opportunity to work closely with an experiment and will be part of a strong multidisciplinary team in a rich research environment.

Experimentalist Position Number 500: The successful candidate should have training in electrical engineering or experimental physics (either at the Bachelor's or Ph.D. level) or substantial background with electrical hardware and computer programming. Experience working in a neuroscience laboratory using electrophysiological recording is desirable. The position offers the opportunity to interact directly with theorists and will provide a rich opportunity for multidisciplinary study of the nervous system.

Applications should include curriculum vitae and two letters of recommendation. This material should be sent to: Ms. Cierina R. Marks, California Institute of Technology, MC 216-76, 1201 East California Boulevard, Pasadena, CA 91125. Please indicate the position number that you are applying for. *Caltech is an Affirmative Action/Equal Opportunity Employer. Women, minorities, veterans, and disabled persons are encouraged to apply.*

POSTDOCTORAL POSITION available to investigate the regulation of human RNA Polymerase I transcription. Experience in protein purification is essential. Send curriculum vitae and three letters of recommendation by mail or e-mail to: Dr. Lucio Comai, Department of Molecular Microbiology and Immunology, 2011 Zonal Avenue-HMR 509, University of Southern California Keck School of Medicine, Los Angeles, CA 90089. E-mail: comai@hsc.usc.edu. Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITIONS available immediately to study the role of estrogen receptor coactivators in breast cancer development. Experience in molecular biology is required. Please send curriculum vitae and names of three references to: Dr. Yijun Zhu, Department of Pathology, Northwestern University Medical School, Tarry 7-751, 303 East Chicago Avenue, Chicago, IL 60611. E-mail: v-zhu2@nwu.edu. Northwestern University is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION IMMUNOLOGIST

Discover basic mechanisms of systemic autoimmunity and tolerance (J. Clin. Invest. 104:345, 1999; J. Exp. Med. 187:367, 1998; J. Immunol. 165:6627, 2000; Nature Med. 6:259, 2000). Send résumé to: Dr. Syamal K. Datta, Ward 3-315, Northwestern University Medical School, 303 East Chicago Avenue, Chicago, IL 60611.

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Chief, Molecular Targets and Cancer Branch **Center for Cancer Research National Cancer Institute** National Institutes of Health

The Center for Cancer Research, National Cancer Institute invites applications for the position of Chief of the newly formed Molecular Targets and Cancer Branch. The Branch will encompass principal investigators focused on the development of novel therapeutics and endpoints in medical oncology. Candidates should have an M.D. or Ph.D. degree and be recognized for excellence in cancer research. The successful candidate will provide scientific direction for the Branch and will establish translational programs that take advantage of the developments in the Branch and Center.

U.S. citizenship or resident alien status is required. Applicants should send curriculum vitae, a statement of the candidate's research program, and six letters of recommendation to:

> Lee Helman, M.D. **Deputy Director** Center for Cancer Research National Cancer Institute 31 Center Drive MSC 2440 Building 31, Room 3A11 Bethesda, Maryland 20892-2440

Applications must be postmarked by July 16, 2001.

NIH is an Equal Opportunity Employer.

nature *neuroscience*

seeks an ASSISTANT EDITOR

Nature Neuroscience, a leading monthly journal from the publishers of Nature, has a position available for an Assistant Editor. The journal publishes high-quality papers in all areas of neuroscience, including molecular, cellular, systems, cognitive and computational studies, and provides a highly visible forum for communicating important advances to a broad readership. Further information may be found on our web site (http://neurosci.nature.com).

Applicants should have a strong research background in neuroscience, a broad interest in the subject, excellent literary skills, commitment to the communication of scientific ideas, and willingness and ability to learn new fields. The successful candidate will participate in all aspects of the editorial process, including manuscript selection, commissioning and editing News and Views and Reviews, and writing for the journal. The job also involves attending meetings in the US and abroad, and maintaining contact with the international scientific community. The new editor will join our team in the Manhattan office of the larger publishing group that also produces Nature Genetics, Nature Medicine, Nature Biotechnology, Nature Structural Biology and Nature Immunology.

Please submit a curriculum vitae, a short (500-1000 words) News and Views-style article on an exciting and newsworthy recent development in any area of neuroscience, and a cover letter explaining your interest in the position to The Editor, Nature Neuroscience, 345 Park Avenue South, New York, NY 10010 (fax: 212-696-0978; e-mail:neurosci@natureny.com). Applications should arrive as soon as possible, and no later than 24 June 2001.

POSTDOCTORAL POSTIONS in the training program in cellular and integrative neuroscience. The program provides stateof-the-art interdisciplinary training in the following areas: (1) cell-cell communication, (2) neural systems, (3) molecular studies of cell-cell communication, (4) developmental neuroscience, (5) glia, and (6) the use of optical methods in neuroscience. Over 30 faculty members from four basic science departments and the Program in Neuroscience are mentors in the training program, and applicants can apply to work with one or more than one mentor. Specific training in neuroscience is useful but not required; a Ph.D. in a relevant area of science is required. Applicants must be U.S. citizens or permanent residents of the United States. Contact: **B. E. Alger, Ph.D.;** website: http://neuroscience.umaryland. edu for information.

POSTDOCTORAL POSITIONS MACROPHAGE MOLECULAR BIOLOGY

Postdoctoral positions are available immediately to study the interaction of Mycobacteria with mouse and human macrophages. Specific projects include (1) regulation of iron transport by natural resistance-associated macrophage protein 1(Nramp1)in Mycobacteria containing phagosomes (see J. Leukocyte Biol. 66: 113 and 69:43). (2) Inhibition of IFN-gamma signaling in *M.avium* and *M.ib*-infected macrophages (see J.Immunol. 163:2041). Candidates should have Ph.D. or M.D. degree and a strong background in molecular biology or biochemistry. Experience in innate immunity or host-pathogen interactions is desirable. Interested candidates should send their curriculum vitae, list of publications, and names of three references to:

> Dr. William Lafuse The Ohio State University Department of Molecular Virology, Immunology, and Medical Genetics 333 West 10th Avenue Columbus, OH 43210 FAX: 614-292-9805 E-mail: lafuse.1@osu.edu

The Ohio State University is an Equal Opportunity/Affirmative Action Employer. Women, minorities, veterans, and individuals with disabilities are encouraged to apply.

POSTDOCTORAL and RESEARCH ASSO-CIATE (B.S./M.S.) POSITIONS available September 2001 in human genetics of aging under the direction of S. Michal Jazwinski and Mark A. Batzer. This study of genetic contributions to longevity is part of a multidisciplinary study of centenarians. It will utilize state-of-the-art genetic analyses focusing on population structure. Candidates should have a strong background in human genetics including expertise in genotyping, automated DNA sequencing, and statistical/analytic research. Send complete curriculum vitae including bibliography and the names, addresses, telephone/FAX numbers, and e-mail addresses of three references to: Dr. S. M. Jazwinski, Department of Biochemistry and Molecular Biology, Louisiana State University Health Sciences Center, 1901 Perdido Street, New Orleans, LA 70112. E-mail: sjazwi@lsuhsc.edu. LSUHSC is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION available immediately to join our group developing novel retroviral envelope proteins to target gene therapy to specific tumor cells. Applicants should have experience in vivith experience and training. Salary commensurate with experience and training. Send curriculum vitae and names and addresses of three references to: Dr. Lorraine M. Albritton, Department of Molecular Sciences, University of Tennessee Health Sciences Center, 858 Madison Avenue, Memphis, TN 38163. E-mail: lalbritton@utmem.edu. The University of Tennessee is an Equal Opportunity Employer.

POSITIONS OPEN

POSTDOCTORAL POSITIONS CHROMATIN REMODELING AND GENE REGULATION Harvard Medical School Massachusetts General Hospital

Two Postdoctoral positions are available to study the biological role of chromatin remodeling in gene regulation. Our laboratory uses cultured cells, mouse models, and biochemistry to investigate the mechanism and role of gene regulation in the immune system and skin (see website: http://www.hms.harward.edu/dms/bbs/fac/pazin.html). Applicants should have a Ph.D. or M.D./Ph.D. as well as expeand the names of three references (including e-mail and telephone numbers) to:

Michael J. Pazin, Ph.D. Cutaneous Biology Research Center Massachusetts General Hospital-East Building 149, 13th Street Charlestown, MA 02129 E-mail: michael.pazin@cbrc2.mgh.harvard.edu

The MGH/Harvard Cutaneous Biology Research Center is a committed Equal Opportunity/Affirmative Action Employer. Minorities, women, handicapped, and veterans are encouraged to apply.

POSTDOCTORAL POSITIONS **Proteomic Study of Protein Interactions** Governing Cell Cycle and Transcriptional Control

Funded Postdoctoral positions are available immediately for a recently established proteomic study of protein interaction networks involved in specific cellular processes. Affinity purification of genomically tagged proteins of interest from Saccharomyces is followed by characterization of associated protein complexes by mass spectrometry, electron microscopy, and functional genetic assays. The network can then be defined by iterative application of this procedure. The project is a collaboration between the laboratories of Brian Chait, Michael Rout, Frederick Cross, Andrej Sali, and Arnold Levine.

To apply, please send curriculum vitae and contact information for three references to: Brian Chait, The Rockefeller University, 1230 York Avenue, New York, NY 10021. E-mail: chait@rockvax. rockefeller.edu.

The Rockefeller University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL RESEARCH FELLOWS

The Puget Sound Blood Center is seeking individuals for the following two positions: Job Number 3273: to investigate megakaryocyte

development, hematopoietic signaling pathways, and inherited platelet disorders.

Job Number 3314: to study the adducin family of cytoskeletal proteins; regulation of gene expression during hematopoiesis, and analysis of knockout mice.

Requirements: M.D. or Ph.D. in biological sciences; computer skills; effective written, verbal, and interpersonal communication skills; and experience with writing grants and manuscripts.

To apply, please submit résumé via e-mail to: HumanResources@psbc.org or mail résumé to: The Puget Sound Blood Center, 921 Terry Avenue, Seattle, WA 98104.

POSTDOCTORAL POSITIONS HARVARD INSTITUTES OF MEDICINE

Postdoctoral fellowships are available for (1) signal transduction mechanism of T cell chemotaxis and (2) generation of transgenic and/or knockout mice. Expertise in signal transduction, cellular immunology, and molecular biology is preferable. Mail, FAX, or e-mail your résumé with at least two references to: Dr. Ramesh Ganju, Division of Experimental Medi-Ranesh Ganju, Division of Experimental Medi-cine, Room Number 343, Harvard Institute of Medicine, 4 Blackfan Circle, Boston, MA 02115. FAX: 617-975-5240; e-mail: rganju@caregroup. harvard.edu.

25 MAY 2001 VOL 292 SCIENCE www.sciencemag.org

POSITIONS OPEN

NEUROBIOLOGY **RESEARCH-**TRACK AND POSTDOCTORAL POSI-TIONS available immediately to study (1) synaptic integration and sensory processing in mammalian olfactory bulb and piriform cortex. Experience in optical imaging of voltage-sensitive dyes and/or patch clamping in slices required. (2) Neural circuits underlying taste analgesia. Expertise in *in situ* hybridization and/or immunocytochemistry/tract tracing required. Applicants must have a Ph.D. or M.D. Competitive salary/fringe benefits. Opportunity to interact with Neuroscientists in the Department (website: http://neurobio logy.umaryland.edu) and the Neuroscience Program (website: http://neuroscience. umaryland.edu/). Send curriculum vitae and names of three references to: Dr. M. Ennis, Department of Anatomy and Neurobiology, University of Maryland School of Medicine, 685 West Baltimore Street, Baltimore, MD 21201. E-mail: mennis@umaryland.edu. University of Maryland is an Affirmative Action/Equal Employment Opportunity/Americans With Disabilities Act Employer.

POSTDOCTORAL POSITIONS

Universities Space Research Association (USRA) has immediate openings for Postdoctoral-level Scientists to conduct independent research and to support a NASA program on biomacromolecular crystallization on both empirical and fundamental levels at the NASA Marshall Space Flight Center in Huntsville, Alabama. Experience in biocrystallization and techniques in crystal growth and characterization such as X-ray diffraction, atomic force microscopy (AFM), and advanced optics are required. The position will be open until filled.

USRA is a nonprofit university consortium chartered to foster cooperation between universities and the U. S. government toward the advancement of research and education in space and science technology. Excellent salary compensation and benefits package are provided. Applicants should submit a cover letter, list for potential references, and résumé with list of publications to the following address:

Universities Space Research Association (USRA) Attention: Human Resources/ **Postdoctoral Position** 4950 Corporate Drive, Suite 100 Huntsville, AL 35805

USRA is an Equal Employment Opportunity/AAP Employer.

POSTDOCTORAL FELLOW/ **RESEARCH ASSOCIATE**

University of Colorado Health Sciences Center To join group studying malignant and normal hematopoiesis with emphasis on the Pim protein kinase, AML/ETO, and GM-CSF signal transduction. Experience in molecular and cellular biology including basic protein chemistry expected. Proteomics and transgenic technologies are available. Excellent salary commensurate with experience. Send résumé and names of three references to: Andrew S. Kraft, M.D., Chief, UCHSC, Division of Medical Oncology, 4200 East Ninth Avenue, B171, Denver, CO 80262

POSTDOCTORAL POSITIONS to investigate the cellular and molecular biology of Alzheimer's and multiple sclerosis. The research utilizes transgenic mice and human tissue to study gene regulation in macrophages and ROS involvement in neurodegeneration and T cell response. Experience in molecular biology or immunology desirable. Email résumé and names of three references to: Wanda F. Reynolds, Sidney Kimmel Cancer Cen-ter, 10835 Altman Row, San Diego, CA 92121. E-mail: wreynolds@skcc.org. Equal Opportunity Employer.

DIRECTOR Children's Cancer Research Center

The University of Texas Health Science Center at San Antonio (UTHSCSA) seeks an internationally recognized Scientist to lead the Children's Cancer Research Center (CCRC), a program funded by a \$200,000,000 endowment from the State of Texas. The CCRC is a comprehensive research center that will be a world leader in the identification of new targets and the development of new strategies in the fight against childhood cancer. The successful candidate for Director will have an outstanding record of scientific achievement and provide evidence of strong leadership, program development, and mentoring skills.

Applications will include curriculum vitae, personal statement of goals and objectives, and list of professional references. Curricula vitae will be accepted until the position has been filled. Applications will be submitted to the Chair of the Search Committee:

Celia I. Kaye, M.D., Ph.D. Interim Vice Dean of the Medical School Professor and Chairman Department of Pediatrics The University of Texas Health Science Center at San Antonio 7703 Floyd Curl Drive, MS-7802 San Antonio, TX 78229

Additional information about CCRC, existing UTHSCSA children's cancer programs, and the San Antonio Cancer Institute can be found at their respective websites: http://www.uthscsa.edu/ccrc/, http://www.uthscsa.edu/pedionc/, and http:// www.ccc/saci.org/. The University of Texas Health Science Center at San Antonio is an Equal Employment Opportunity/Affirmative Action Employer.

Viral diseases/pathogenesis/immunology (POST-DOCTORAL RESEARCH ASSOCIATE). A position is available immediately to study pathogenesis and immune responses to vesicular stomatis virus (VSV) infection in cattle at the Biosafety Level Three laboratory at Plum Island Animal Diseases Center of the Agricultural Research Service (USDA) in Long Island, New York. The incumbent will join an ongoing effort to characterize the pathogenesis and immune responses to various strains of VSV. This position is available for two years at a starting salary range of \$35,000 to \$45,000 depending on experience and qualifications. Please send a copy of your curriculum vitae, names of three references, and a statement of interests to: Dr. Mark Estes, University of Missouri, 201 Connaway Hall, Columbia, MO 65211.

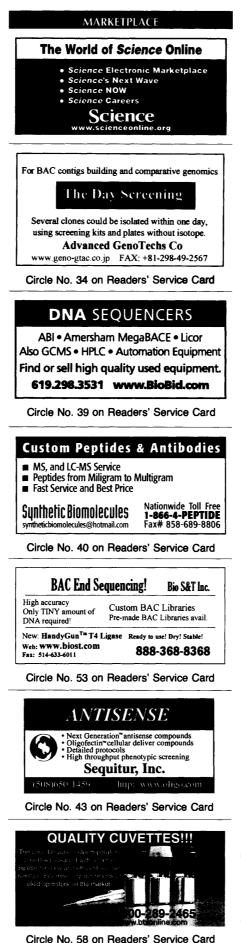
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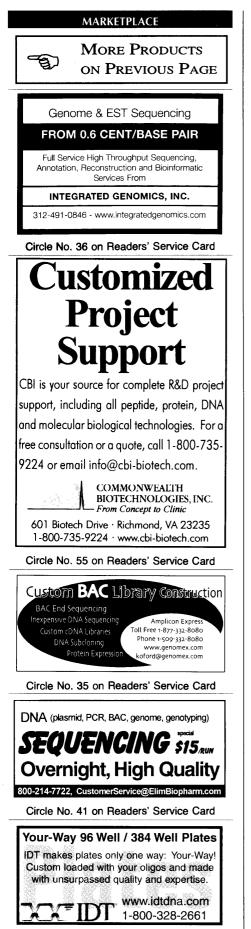
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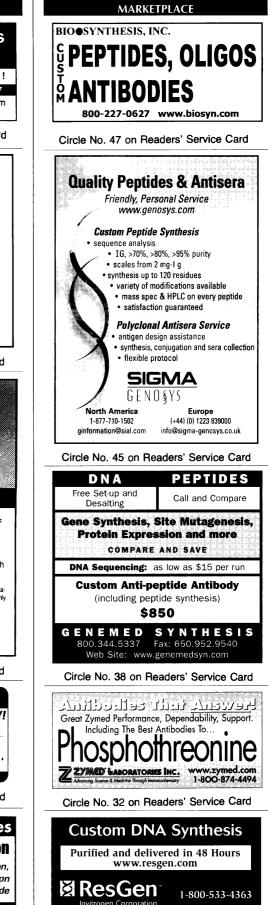
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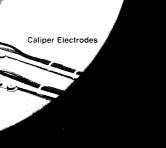
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