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OMIGA is software to assist researchers in the search for new biological targets through

PRODUCTS

analysis of DNA and protein sequences, which may result in

the development of new drug therapies. It is available for Windows 95 and Windows NT 4.0 platforms. It can be used to identify biological targets for potential new drugs, at a genomic and at a molecular level, and allows researchers to approach common discovery problems in a number of different ways. For example, potential targets for drug interactions can be identified by comparing and contrasting gene sequences with known and unknown activity. Gene cloning experiments can be simulated on the computer to look for likely outcomes. The expression of advantageous proteins can be increased through the analysis of DNA and RNA seguences. Oxford Molecular Group. For information call +44 1865 784600 or circle 140 on the reader service card.

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Gel-Well pipette tips for sample loading gels from 0.6 to 0.17 mm thick are certified ribonuclease- and deoxyribonuclease-free. Two styles are available: round capillary ends for gels down to 0.57 mm thick and flat capillary ends for gels down to 0.37 and 0.17 mm thick. Both styles are available for micro volumes from 0.1 to $10 \,\mu$ l capacity, and standard



volumes from 2 to 250 µl capacity. Gel-Well tips are molded from dye-free virgin polypropylene and are supplied in an autoclavable rack of 200 tips. Rainin Instrument. For information call 510-654-9142 or circle 141 on the reader service card.

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The DARK READER transilluminator for viewing DNA and proteins in gels does not use ultraviolet (UV) light. The UV light that traditional transilluminators emit can cause eye and skin damage in the user and chemical damage in the DNA. The DARK READER offers the same sensitivity of detection as UV

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ESCORT is a low-toxicity transfection reagent that takes DNA and RNA into cells in media with full serum. A $5-\mu l$ volume of this cationic liposome formulation is sufficient for the transfection of cells using 35-mm culture dishes; a 15-µl volume is sufficient for use with 60-mm culture dishes. Cationic liposomes are useful for transient as well as stable transfection, and perform well for both adherent and suspension cultures. They work



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well with crude or purified DNA preparations. Sigma Chemical. For information call 800-325-3010 or circle 144 on the reader service card.

Apoptosis Inhibitor

This product is the APO-1/Fas protein fused to the Fc portion of human IgG1. It inhibits apoptosis initiated by the APO-1/Fas ligand by binding directly with the APO-1/Fas ligand. Alexis. For information call 619-658-0065 or circle 145 on the reader service card.

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ARREST BUFFER is an optimized combination of various chiotropic agents and ribonuclease inhibitors that inhibits ribonuclease in 5 to 10 s. The buffer can be used in conjunction with any RNA extraction method, including extractions based on phenol and other detergents. A 10-min, single-step protocol isolates high-quality total RNA from most species and tissues. The protocol involves homogenization and lysis followed by ethanol precipitation of total RNA. Geno Technology. For information call 314-534-0075 or circle 147 on the reader service card.

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Understanding Rheological Testing: Thermoplastics and Understanding Rheological Testing: Thermosets are booklets that explain the science of rheology and the technology of rheometry clearly and concisely and include diverse examples of tests on a wide range of materials. Rheometric Scientific. For information call 908-560-8550 or circle 150 on the reader service card.

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POSITIONS OPEN

FACULTY POSITIONS

BIOMEDICAL ENGINEERING

UNIVERSITY OF ARIZONA

of the University of Arizona seeks candidates for four

tenure-eligible faculty positions in Biomedical Implants

and Imaging. These new faculty positions have been established as part of a Whitaker Foundation Biomedical

Engineering Special Opportunities Award which focuses

on biomedical implants. Candidates must have a Ph.D. or

equivalent degree, and an engineering or scientific back-

ground with an emphasis on one of the following areas of

specialization: the design and evaluation of biomedical

implants, tissue engineering, healing of implants, medical

imaging, image processing, and instrumentation. Examples of suitable research interests include studies design-

ing, evaluating, and imaging vascular grafts, endovascular

grafts, heart valves, ventricular assist devices, or the total

artificial heart. Four key areas of background expertise

complementing the biomedical engineering interests are:1. Cellular and molecular biology, 2. Systems physiology,3. Biosolids/fluids and biomaterials, and 4. Biomedical

instrumentation. Successful candidates will have primary

appointments in the Biomedical Engineering Program

with opportunities for secondary appointments in the

College of Engineering and Mines, the College of Medicine, and the College of Sciences. The new faculty will

teach in the core biomedical engineering curriculum and in an advanced course specific to their field of interest.

Interested candidates should provide a complete curricu-

lum vitae, a description of research interests, copies of

three publications and names and addresses of at least three references. Applications should be sent to: **Dr. Stu**-

art Williams, Chair, Biomedical Engineering Program, 1501 North Campbell Avenue, P.O. Box

245084, University of Arizona, Tucson, AZ 85724.

E-mail: skwill@aruba.ccit.arizona.edu; website: www.

ahsc.arizona.edu/bmeidp/. The review process will begin on July 18, 1997 and will continue until the positions

The University of Arizona is an Equal Opportunity/Affirmative Action Employer—Minorities/Women/Disabled/Veterans.

FACULTY POSITION in avian virology. The De-

partment of Veterinary PathoBiology, University of Minnesota, wishes to fill a faculty position in the area of

avian virology. Candidates will be expected to establish

a competitively funded research program in the area of

avian virology, teach in the professional curriculum,

train pre- and postdoctoral scientists, and provide lead-

ership in interdisciplinary collaborative efforts in avian virology and animal health and disease. Rank, tenure

status, and terms of appointment will depend on quali-

fications and experience. Candidates must have a Ph.D.

or equivalent foreign degree and two years of postdoc-

toral experience in avian virology for Assistant Professor, four years for Associate Professor, and six years for

Full Professor at the time of appointment. D.V.M. or

equivalent foreign degree is highly desirable. Candi-

dates must have potential to establish an independent

research program using cellular/molecular approaches

in the area of avian virology. Send a curriculum vitae,

statement of research and teaching interests and career

objectives, and two, preferably three, letters of recommendation by September 15, 1997 to: Dr. Jagdev M.

Sharma, Search Committee Chair, Department of

Veterinary PathoBiology, College of Veterinary Medicine, University of Minnesota, 1971 Com-

monwealth Avenue, St. Paul, MN 55108. E-mail:

pkircher@maroon.tc.umn.edu. The University of Minnesota is an Equal Opportunity Educator and Employer.

ASSISTANT RESEARCH PROFESSOR (non-

tenure-track) position to conduct research on calcium regulatory systems in excitable cells with emphasis on the

plasma membrane calcium pump. A Ph.D. in biochemis-

try with five to seven years of relevant experience, exper-

tise in molecular biology, eukaryotic expression systems,

protein chemistry, cell culture, calcium imaging, and an-

tisense techniques are required for this position. Applicant

should have independent funding. 40 plus hours per

week, salary \$36,500 per year. Send curriculum vitae and list of references to: **T. Moore, #101444 KY Job Ser**-

vice, 300 Upper Street, Lexington, KY 40508. An

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are filled.

The Biomedical Engineering Interdisciplinary Program





SENIOR FACULTY POSITIONS DEPARTMENT OF CHEMISTRY The Ohio State University

The Department of Chemistry at The Ohio State University seeks to recruit several outstanding individuals to its faculty. We wish to hire individuals at the senior level to begin summer or autumn 1998 or 1999. Although exceptional individuals in all areas of chemistry will be considered, special attention will be paid to candidates in targeted areas, particularly the fields of environmental chemistry, materials chemistry, the chemistry of life processes, and macromolecular mass spectrometry. Applications received before October 15, 1997, will be given full consideration. Candidates should submit a curriculum vitae, a statement of research and teaching interests, and names of three references to:

Chair, Senior Faculty Search Committee c/o Ms. Bette Thrall Department of Chemistry The Ohio State University 100 West 18th Avenue Columbus, OH 43210 (614) 292-2251, FAX (614) 292-1685 e-mail: bthrall@chemistry.ohio-state.edu Visit our website at:

http://www.chemistry.ohio-state.edu The Ohio State University is an Equal Opportunity, Affirmative Action Employer. Women, minoritics, Vietnam-era veterans, disabled veterans, and individuals with disabilities are encouraged to apply.

BOSTON UNIVERSITY SCHOOL OF MEDICINE DEPARTMENT OF MEDICINE Section of Infectious Diseases Assistant Professor of Medicine AIDS Researcher

The Section of Infectious Diseases, Department of Medicine at the Boston University School of Medicine invites applicants for a position in our department who are capable of directing innovative independent AIDS research. Successful candidates must have significant research accomplishments and have demonstrated their ability to obtain extramural peer-reviewed funding. Relevant areas of interest include, but are not exclusive to, viral interactions with host cells, HIV pathogenesis, anti-viral immune responses, vaccine development, and viral replication. Applications from candidates with ei-ther Ph.D. and/or M.D. degrees will be accepted. Ap-plicants should submit a curriculum vitae, selected reprints, a description of research interest and goals, the names, addresses, and telephone/FAX numbers of at least three references to: Dr. Lee M. Wetzler, Chair, Infectious Diseases Faculty Search Committee, The Maxwell Finland Laboratory for Infectious Diseas-es, Boston Medical Center, Boston University School of Medicine, 774 Albany Street, Boston, MA 02118. E-mail: lwetzler@acs.bu.edu. Boston University is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT OR ASSOCIATE PROFESSOR DANA-FARBER CANCER INSTITUTE

The Department of Adult Oncology of the Dana-Farber Cancer Institute and Department of Medicine, Harvard Medical School, are inviting applications for two tenure-track positions at the level of Assistant or Associate Professor. Candidates with interests in solid tumor biology at a development, molecular, genetic, pharmacologic, or translational research level will be considered. Applicants should have a M.D. or M.D./Ph.D. degree, and will be expected to develop an independent laboratory research program. Laboratory space and start-up funds commensurate with rank are available.

Applicants should submit their curriculum vitae, a description of research plans, and three letters of reference to: James D. Griffin, M.D., Vice Chair for Research, Department of Adult Oncology, Dana-Farber Cancer Institute, 44 Binney Street, Boston, MA 02115. The Dana-Farber Cancer Institute is an Equal Opportunity/Affirmative Action Employer.



SOUTHERN RESEARCH

MOLECULAR BIOLOGISTS

Southern Research Institute is currently seeking candidates for two positions to participate in basic research in the area of breast cancer molecular tumor biology. This research is aimed at identifying the determinants underly the acquisition of hormoneindependent and metastic phenotypes and defining the role of neoangiogenesis and growth factor expression and signal transduction in these processes. The position of Associate Molecular Biologist requires a B.S. or M.S. in molecular biology or closely related field with 3+ years of experience in molecular and cell biology techniques. The ideal candidate will have experience working with athymic mice and will have the potential to function in a supervisory capacity. The position of Post-Doctoral Molecular Biologist requires a Ph.D. in molecular biology with an interest in basic research in breast cancer utilizing athymic mice.

To apply, send resume to Human Resource, Southern Research Institute, Dept. MBK, P. O. Box 55305, Birmingham, AL 35255. Fax: (205) 581-2200. E-mail: prince@sri.org.

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Faculty Position DEVELOPMENTAL BIOLOGY The Rockefeller University

The Rockefeller University invites applications for a faculty position of Assistant Professor and Head of Laboratory in developmental biology. We particularly welcome applicants with research interests in such areas as the molecular basis of early embryonic development, cell signaling and transduction pathways.

Applicant should send a curriculum vitae (including a publication list), a statement of current and future research interests (no longer than three pages), and the names and addresses (including telephone, fax and Email information) of three references to:



Dr. A.J. Hudspeth The Rockefeller University 1230 York Avenue, Box 314 New York, NY 10021-6399

To assure consideration, all materials must be received by September 30, 1997.

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Research Scientist Signal Transduction in Lymphocytes

A senior research science position is immediately available to study members of a novel gene family, which impair signal transduction through heterotrimeric G protein linked pathways (see Nature 379:742, 1996 and Nature 383:172, 1996) in conjunction with ongoing studies in the role of heterotrimeric G proteins in lymphocyte development and differentiation. Experience in molecular biology and signal transduction technology is reguired. Applicants should have an M.D. or Ph.D. degree and at least three years of postdoctoral experience. Please send curriculum vitae and the names, addresses, and telephone numbers of three references to:

Dr. John Kehrl B Cell Molecular Immunology Section LIR, NIAID, NIH Building 10, Rm. 11B08 10 Center Dr. MSC-1876 Bethesda, MD 20892-1876 USA E-mail: jkehrl@atlas.niaid.nih.gov NIH is an Equal Opportunity Employer.

POSTDOCTORAL RESEARCH IN COMPUTATIONAL CHEMISTRY

Applications are invited for a postdoctoral position at the Center for Advanced Research in Biotechnology (CARB). Research is focused on elucidating chemical mechanisms in enzymes and nucleic acids using ab initio methods. A methodology has been developed where all reacting groups are modeled by all-electron quantum chemistry and the protein or DNA environment is replaced by effective fragment potentials representing electrostatic, polarization, repulsion, and charge transfer interactions with the all-electron region. The EFP are implemented in GAMESS. Spectroscopic probes of the active site using different chromophores including metal complexes are planned. Extensions of the EFP are also planned which will require programming experience. Closing date for application: September 1, 1997. Interested applicants should send curriculum vitae and three letters of reference to:

Computational Chemistry Center for Advanced Research in Biotechnology University of Maryland Shady Grove 9600 Gudelsky Drive Rockville, MD 20850 krauss@ibm9.carb.nist.gov CARB is an Equal Opportunity/Affirmative Action Employer. Women and minority candidates are encouraged to apply.

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We offer a competitive compensation and benefits package, including 3 weeks of paid vacation and a generous 401(k) matching plan. Send your resume by 8/11/97 to: Genencor International, Inc., Human Resources, Dept. TD, 925 Page Mill Rd, Palo Alto, CA 94304-1013 or fax to: (415) 845-6503. EOE- M/F/D/V.



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Bioinformatics

and thus invite applications for a range of **SENIOR POSITIONS** in the following areas:

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- further development of existing bioinformatics applications and databases,
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Successful candidates for the senior positions should have a Ph.D. in molecular or cell biology and at least two years of postdoctoral experience, combined with proven skills in bioinformatics. Alternatively, for positions targetted at infrastructure and communications tasks, candidates should have a degree in computer sciences ('informatics') and experience in the application to biology or chemistry.

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Send your application for positions in the USA to: **R & D Staffing/Bioinformatics Novartis Pharmaceuticals Corporation** 556 Morris Avenue, Building G2 Summit, NJ 07901 USA

for positions in Switzerland to: Novartis Pharma AG Dr. Rudolf Bechter S-87.120 CH-4002 Basel (Switzerland)



POSTDOCTORAL/PROFESSIONAL RESEARCH POSITIONS Department Of Pharmacology University Of California, Irvine

Several postgraduate researcher, professional researcher, and specialist positions are or will be available in individual laboratories in the department for candidates who have demonstrated research promise at the postdoctoral level. The emphasis of research in the department is in the areas of neuropharmacology, cellular and molecular pharmacology, and cardiovascular pharmacology. The faculty of the department and their research interests are:

Dr. Olivier Civelli	G protein-coupled receptors and the search for neurotransmitters and neuropeptides.
Dr. Sue Duckles	Vascular function: Age and gender
Dr. Fred Ehlert	Muscarinic receptors and their signaling mechanisms
Dr. Kelvin Gee	Characterization of signal transduction pathways and novel drug discovery
Dr. Frances Leslie	Drugs of abuse and cellular plasticity
Dr. Ralph Purdy	Vascular second messengers; vasoconstric tor synergism
Dr. Larry Stein	Molecular mechanisms of reward and ad- diction, behavioral pharmacology, drug discovery, learning and memory
Dr. Qun-Yong Zhou	Molecular genetics of dopamine signaling
Applications including	a your letter of interest CV and names and

Applications, including your letter of interest, CV, and names and addresses of three references, should be sent to: Dr. Larry Stein, Professor and Chair, Department of Pharmacology, University of California, Irvine, 360 Med Surge II, Zot Code 4625, Irvine, CA 92697-4625.

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Faculty of Science LECTURER IN ZOOLOGY (Level B Continuing)

The Division of Botany and Zoology at The Australian National University is seeking to attract an outstanding researcher to fill a tenurable Lectureship available in any branch of zoology. The successful applicant will be involved in developing, organizing and contributing to undergraduate units in zoology, supervision of honours and graduate students, and will be expected to develop a strong independent research program. The position is available from 2 February 1998.

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The University of Pittsburgh has been designated as a unique academic "Center of Excellence" to provide Postdoctoral Fellowships for research and study in the Radiation Sciences. The goal of this training program, supported by the U.S. Department of Energy, is to replenish the national pool of doctoral-level, multidisciplinary radiation scientists in governmental, academic, and industrial research positions focused on the health effects from ionizing radiation exposure.

The program offers a two-year sequence including course work, laboratory rotations, colloquia and seminars, a radiation epidemiology workshop, and one year of field experience at domestic or foreign sites of interest to the Department of Energy. Areas of concentration include: radiation epidemiology and biostatistics; health physics and radiobiology; biological dosimetry, biomarker development and application; and occupational medicine.

Applicants should have a recent doctoral degree (Ph.D., M.D., D.Sc., Dr.P.H.) in the natural or health-related sciences. M.D.'s may integrate Program training with a departmental Occupational Medicine Residency. A University-supported third year may be arranged if necessary. A stipend of \$33,500 for the first year, \$36,000 for the second year, research expenses, health insurance, and annual travel allowances to and from research sites are provided. *Fellows must be U.S. citizens or permanent residents.*

For additional information or application materials, contact: Niel Wald, M.D., Program Director, A744 Crabtree Hall, Graduate School of Public Health, 130 Desoto Street, Pittsburgh, PA 15261; or telephone (412) 624-3155, fax (412) 624-3040, or email wald@vms.cis.pitt.edu.

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GLOBAL CAREER OPPORTUNITIES

Contact: Further particulars and selection criteria are available from Jean Linnett, telephone: (616) 249 2866; facsimile: (616) 249 5573;

Email: Jean.Linnett@anu.edu.au

Additional information on the Division of Botany and Zoology is available at: http://online.anu.edu.au/BoZo/

Salary: Lecturer (Level B) A\$46,043 - A\$54,324 pa.

Closing date: 1 August 1997.

Ref: FS 10.6.3.

Information on how to apply may be obtained from the ANU Web Page: http://www.anu.edu.au/secretary /industrial/jobs/jobs.html or by telephoning/emailing the contact.



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Tel Aviv University Sackler Faculty of Medicine

FACULTY POSITIONS AVAILABLE

The Sackler Faculty of Medicine of Tel Aviv University is seeking candidates for tenure-track faculty positions. Applicants should hold a Ph.D. degree and have postdoctoral experience. Successful candidates will be expected to develop a vigorous biomedical research program and teach courses for M.D. and graduate students. A curriculum vitae, list of publications, and brief research program (1-2 pages) should be sent to: The Search Committee, The **Dean's Office, Sackler Faculty** of Medicine, Tel Aviv University, Ramat Aviv 69978, Israel no later than September 15, 1997. At least 3 letters of recommendation should be sent to the same address.

KUWAIT UNIVERSITY HEALTH SCIENCES CENTER

Administrative Team Planning

NEW POSITION:

• Advisor to the President of the Health Sciences Center (HSC), Kuwait University - Part of the HSC team of Administrators

REQUIREMENTS:

- Associate or Full Professor
- Expert in medical education with administrative experience, preferably with 10 or more years as an Associate Dean (or equivalent) of Medical Education, Academic affairs, or Administrative Affairs at a Health Sciences Center.

MAJOR RESPONSIBILITIES:

- Conduct periodic review of the administrative organization of the Health Sciences Center and recommend procedures and programs for the most efficient management of personnel and resources.
- Physical plant operation and maintenance, including local aspects of construction at the Health Sciences Center.
- Facilities planning and developing long-term projections for the growth of the organization.
- Development and implementation of long-range planning for undergraduate, graduate, continuing education, clinical practice programs, public relations, and organizational management structure.
- Development, coordination, revision, and evaluation of the medical curriculum.
- Development of the budgetary request for the Faculties and for managing its expenditure.
- Responsible for curricular oversight and planning.
- Other responsibilities as may be assigned.

SALARY & BENEFITS:

- Rank and salary will be commensurate with experience and qualifications. Appointments are subject to contract.
- Kuwait University offers:
 - 12-month tax-free salary.
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 - Other benefits include: housing and furniture allowance; annual air tickets for appointee, spouse, and 3 children up to the age of 18; free national health care; free tuition for dependent children under the age of 18 up to high school on accordance with Kuwait University regulations; paid mid-term holidays and summer vacations; and end-of-service gratuity equal to one month of basic salary for each year of service.
 - Financial Support for research through competitive awards system.

APPLYING:

• Letters of application accompanied by a curriculum vitae and the names, addresses, telephone and fax numbers of three references should be submitted no later than December 31, 1997 to:

Dr. Basil Al-Nakib Vice President Health Sciences Center, Kuwait University P.O. Box 24923 13110 Safat KUWAIT

GLOBAL CAREER OPPORTUNITIES

THE BIO/CHEMICAL MICROSYSTEMS GROUP

is seeking qualified applicants for:

Our research

A number of positions—including the position as Group Leader are now available in the Bio/Chemical Microsystems Group at Mikroelektronik Centret (MIC) at the Technical University of Denmark (DTU).

The group consists of a highly dedicated and motivated crossdisciplinary team of young Researchers and Ph.D. Students who are already producing world-class results in the field of micro liquid handling.

Our activities are focused on:

- microfluidic devices and systems for applications in biology (cell diagnostics and separation), and
- bio- and analytical chemistry (diagnostics, drug discovery, and environmental monitoring).

The group has experienced substantial support, as a strategic research area, to establish itself in modern and well equipped biological, chemical, and optical laboratories in the context of the microtechnology facilities at MIC. Support is expected to increase, allowing the group to gradually expand its number of members from the present nine to about fifteen and at the same time widen the group's research scope in accordance with the developments of the field and the scientific interests of the successful applicants.

Applicants

You are required to be at least at the Postdoctoral level with background in biology, biochemistry, or analytical chemistry.

The Group Leader

The position as Group Leader will be open to applicants with several years of Postdoctoral experience at academic institutions or in industry.

For the position as the Group Leader you must have shown scientific excellence within your field, but at the same time have the personal qualifications required to manage and inspire our group.

Future research areas for all positions

Key research areas could be DNA/RNA, protein and immunological methods and assays, instrumentation, surface chemistry, process analysis and automation. Familiarity with microtechnology is not a prerequisite, but you should be interested in using the possibilities of microtechnology for your research and in investigating and developing applications in collaboration with our group and with academic and industrial partners.

Information & application

For further information about the positions, please contact Director Jon Wulff Petersen, direct phone +45 4525 5757, email jwp@mic.dtu.dk

Application including C.V. should arrive no later than Monday September 1st, 1997, at:

Mikroelektronik Centret DTU, Building 345 east DK-2800 Lyngby, Denmark

See also our Website: http://www.mic.dtu.dk/mic



Mikroelektronik Centret (MIC) is an autonomous research centre at the Technical University of Denmark (DTU) with about 90 employees.

The research programme is concentrated on integrated optics, nanotechnologies, and microsystems. MIC also educates engineers and informs Danish industry about research results through joint research programmes.

MIC operates a new state-of-the-art silicon process facility and well-developed characterization laboratories,

LABORATORY HEAD in COGNITIVE BRAIN SCIENCE

RIKEN Brain Science Institute, Japan

RIKEN Institute (http://www.riken.go.jp) is going to launch the Brain Science Institute at the beginning of October 1997. The Brain Science Institute is expected to function as a core of the Age of Brain Science Initiative in Japan (Science 275: 1562, 276:1011, Nature 382:105). The Cognitive Brain Science Group, a division of the Brain Science Institute, has already organized two laboratories, is currently accepting applications for the head of the third laboratory. The qualified candidate should have strong background in cognitive science or cognitive neuropsychology and is expected to conduct experimental studies on the human cognitive functions. The laboratory head is expected to organize a strong research team by recruiting several postdocs and technicians, and will be assured of generous research grants during the term. He/she will be reviewed every 5 years by international review committee, as all the other laboratory heads, and can continue the laboratory if a good evaluation is given. Dr. Keiji Tanaka will direct the first laboratory, in which unit recording experiments in behaving monkeys and human imaging experiments will be conducted. Dr. Manabu Tanifuji will direct the second laboratory with emphasis on optical imaging from the monkey inferotemporal cortex and related areas. The Cognitive Brain Science Group has established research facilities for monkey experiments, a 4T whole body fMRI system for human brain imaging, and is applying for a MEG system. Non-Japanese scientists are especially encouraged to apply for the position, but the person should work in RIKEN in full time. Please contact with Dr. Keiji Tanaka (fax: +81-48-462-4651, e-mail: ktanaka@is.riken.go.jp) for inquiry and application.

UNIVERSITY OF COPENHAGEN

Postdoctoral/research associate position in synthetic organic chemistry at

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Center for Biomolecular Recognition

A position is open for a chemist with a solid background (Ph.D.-degree) and experience in synthetic organic chemistry in the field of heterocyclic chemistry and bioorganic chemistry. Our recearch group includes organic chemist as well as molecular biologists working at the interface between bioorganic/(medicinal) chemistry and molecular biology (including immunology) and is mainly concerned with development of the PNA technology in terms of DNA recognition, antisense applications and combinatorial chemistry.

Salary and employment conditions are in accordance with agreements with "Dansk Magisterforening" (ca. 22.000 dkr/month, dependent on qualifications). The position is for one year with the possibility of extension.

For further information, please contact Professor Peter E. Nielsen. Fax: +45 31 39 60 42, e-mail: penpanum@biobase.dk.

Applications including CV, references, etc. should reach us at: Center for Biomolecular Recognition, Dept. of Med. Biochemistry & Genetics, Lab. B, The Panum Institute, Blegdamsvej 3C, DK-2200 Copenhagen N, Denmark not later than July 18th, 1997, at noon.

UNIVERSITY OF COPENHAGEN



FACULTY APPOINTMENTS NATIONAL UNIVERSITY OF SINGAPORE DEPARTMENT OF COMPUTATIONAL SCIENCE http://www.cz3.nus.sg:8100/



The Department of Computational Science offers interdisciplinary undergraduate major programmes in Computational Chemistry, Computational Mathematics, and Computational Physics. There are currently a small core of faculty members and several postdoctoral research fellows in the Department. Faculty members from other departments in the Faculty of Science also contribute to the teaching of courses offered by the Department.

Teaching facilities include two clusters of workstations (one comprising of 45 pentium-based Linux workstations, the other of 15 SGI Indigo and 8 HP9000/712 workstations) and networked multimedia personal computers. Students and staff in the Department also have access to the Cray J90 supercomputer and the Fujitsu AP3000 MPP machine on campus, as well as the NEC SX3, IBM SP2, and Cray T94 supercomputers at the National Supercomputing Research Centre (NSRC).

Major research areas in the Department include computational statistical and condensed matter physics, nonlinear dynamics and complex systems, scientific visualization, neural computing, computational quantum chemistry and molecular modelling, computational fluid dynamics, geometric modelling, wavelet analysis and applications, signal and image processing. There are strong links between the Department and other national research centres (NSRC, Institute for Materials Research and Engineering, Bioinformatics Centre, Centre for Remote Imaging and Signal Processing) and the Defence Science Organization of the Ministry of Defence. Ties with other academic institutions and research centres overseas are maintained and the Department is fast gaining international recognition.

Applications are invited for faculty appointments from candidates who possess a Ph.D. degree or its equivalent in any of the following areas:

Scientific Visualization
Complex Systems
Neural Computations
Geometric Modelling
Symbolic Computing

Computational Biology Computational Fluid Dynamics Parallel Scientific Computations Computational Condensed Matter and Statistical Physics Quantum Chemistry (molecular modelling, computer-aided drug design)

Duties include teaching, research, and some administrative work. Besides appointments on normal 3-year contracts, visiting appointments for one or two years will also be considered.

Gross annual emoluments range as follows:

Lecturer	S\$58,390 74,300
Senior Lecturer	S\$67,940 138,090
Associate Professor	S\$122,460 - 170,100
	(US\$1.00 = S\$1.44 approximately)

In addition, a 13th month Annual Allowance (of one month's salary) and an Annual Variable Component (of normally 2 month's salary) may be payable at year end, under the flexible wage system, to staff on normal contracts. The commencing salary will depend on the candidate's qualifications, experience, and the level of appointment offered.

Leave and medical benefits will be provided. Depending on the type of contract offered, other benefits may include: provident fund benefits or an end-of-contract gratuity, a settling-in allowance, subsidised housing, education allowance for up to three children subject to a maximum of S\$16,425 per annum per child, passage assistance and baggage allowance for the transportation of personal effects to Singapore. Staff members may undertake consultation work, subject to the approval of the University, and retain consultation fees up to a maximum of 60% of their gross annual emoluments in a calendar year. All academic staff will be given a networked personal computer with access to a Cray supercomputer, UNIX hosts, departmental laser printers, a wide spectrum of software, on-line library catalogue, CD-ROM databases, Video-On-Demand, INtv and Internet.

Application forms and further information may be obtained from:

Associate Professor C. H. Lai Head Department of Computational Science National University of Singapore Block S16, Level 2 10 Kent Ridge Crescent Singapore 119260 Fax: (65) 774-6756 Email: phylaich@leonis.nus.sg Applications should be submitted by 30 September 1997. Only shortlisted candidates will be notified.

SCIENTIST

The American Medical Association is the largest and most influential physician member organization in America. We have an immediate opening for an experienced and motivated professional to play a key role within our Department of Drug Policy.

The position requires expertise in immunology, virology and vaccines, infectious disease therapy and biotechnology products. You will write scientific reports and plan/implement activities to inform physician members, staff, and the public on subjects regarding areas of expertise. A willingness to cover these broad areas of biomedical science is essential.

To qualify, you must possess a Ph.D. in biomedical science or Pharm.D.; postdoctoral experience in academia, industry or government publications; and excellent writing, interpersonal, analytical and organizational skills. Success in gaining grant funding and experience in policy development are highly desirable.

The AMA offers a competitive salary and comprehensive benefits. For immediate consideration, forward resume with salary history to: Carol Sprague, Div. of Placement, Dept. 3265-SDB, AMA, 515 N. State St., Chicago, IL 60610. FAX: (312) 464-5871. E-mail: placement@ama-assn.org EOE

American Medical Association Physicians dedicated to the health of America

515 North State Street Chicago, Illinois 60610

CONFERENCE

CONFERENCE Fifth International Conference on Japanese Science, Technology, and Commerce

Co-sponsored by the U.S. Department of Commerce's Asia Pacific Technology Program, Office of Technology Policy and the U.S. Library of Congress's Japan Documentation Center and supported by the Japan Science and Technology Corporation on July 30–August 1, 1997 in Washington, D.C.

The conference is the fifth biennial program examining the practices and politics of access to Japanese scientific, technical, and business information. Previous conferences have been held in Warwick, England; Berlin, Germany; Nancy, France; and Newcastle, England. This year, the conference theme will expand to include access to Japanese industry and technology information in the Asia-Pacific region and how information technologies, especially the Internet, affect access issues.

Presentations will feature leading Japanese, European, Australasian, and American information specialists, policymakers, scholars, technology managers, translators, industry analysts, and business executives with expertise on Japan's science, technology, industry, and information policies. Information sources, information access, government policies, and comparative information cultures are to be discussed. The roles played by information specialists, the business community, politicians, bureaucrats, and consumers in developing information technologies and public policies will also be examined.

The conference fee is \$375. For further information, including the schedule of speakers and abstracts of papers go to: http://www.ta.doc.gov/asiapac/joho.htm or call Patti O'Neill-Brown at 202-482-6805.

POSTDOCTORAL POSITIONS:

Alzheimer's Disease Research

Two-three postdoctoral positions are available immediately for U.S. citizens or permanent residents to study the pathogenesis of Alzheimer's disease (J. Biol. Chem., 272:32789-32795; Am. J. Pathol., 150:2181-2195). These positions, in the laboratories of Drs. Jeff Kuret and Lester I. Binder in the Dept. of Cell and Molecular Biology. Northwestern University Medical School, are designed for independentminded young scientists with training in cell biology, molecular biology, or analysis of protein structure. Salaries are competitive and commensurate with experience. Candidates should send their curriculum vitae and the names of three references electronically (jkuret@nwu.edu; l-binder@nwu.edu) or via mail to:

Drs. Lester I. Binder and Jeff Kuret Dept. of Cell Biology Northwestern University Medical School 303 E. Chicago Avenue, W 129 Chicago, IL 60611-3008

Northwestern University is an equal opportunity employer.

THE UNIVERSITY OF SOUTHERN CALIFORNIA

Postdoctoral Fellowships in Marine and Environmental Science

The USC Wrigley Institute for Environmental Studies invites applications from innovative, independent scientists for two or more Postdoctoral Fellowships. The research can be in any area of marine or environmental science and preference will be given to candidates who can conduct research on Catalina Island. These fellowships include salary, housing on Catalina Island, modest research support, and some teaching opportunities. The positions are initially granted for one year with opportunity for renewal for a second year. The area of research is open and each Postdoctoral Fellow will be paired with a faculty mentor from the appropriate department at USC. Applications can be considered at any time, but we will start reviewing applications on August 1, 1997 for a January 1998 start date. Please send a letter of application, curriculum vitae, a statement of research interests, and arrange for three letters of recommendation to be sent to.

Dr. Donal T. Manahan Chair, WIES Postdoctoral Fellowship Committee Wrigley Institute for Environmental Studies Allan Hancock Foundation Building University of Southern California Los Angeles, CA 90089-0371

FAX: (213) 740-8123; e-mail: manahan@usc.edu For more information see website, http://wrigley.usc.edu

POSTDOCTORAL RESEARCH IN BIOCHEMISTRY

Applications are invited for a postdoctoral position to study the interactions, particularly DNA-protein interactions, involved in prokaryotic transcription. Applicants must have a background in molecular biology and physical chemistry. Some experience in enzymology and biothermodynamics is useful. Closing date for applications: July 30, 1997. The Center for Advanced Research in Biotechnology (CARB) is a research center of the University of Maryland Biotechnology Institute and the National Institute of Standards and Technology devoted to fundamental problems of macromolecular structure, function, and engineering. Interested applicants should send curriculum vitae and three letters of reference to:

Biochemistry Postdoctoral Center for Advanced Research in Biotechnology University of Maryland Shady Grove 9600 Gudelsky Drive Rockville, MD 20850 CARB is an Equal Opportunity/ Affirmative Action Employer. Women and minority candidates are

encouraged to apply.



THE INSTITUTE OF WILDLIFE AND ENVIRONMENTAL TOXICOLOGY

Clemson University has seven excellent opportunities immediately available in its Institute of Wildlife and Environmental Toxicology.

INSTITUTE DIRECTOR/CHAIR

Clemson is seeking a creative and energetic professional to provide leadership and direction to its Institute of Wildlife and Environmental Toxicology. The Institute is a nationally recognized leader in environmental toxicology with programs in terrestrial and aquatic ecotoxicology, behavioral and biochemical toxicology, analytical and environmental chemistry, ecological modeling and geographic information systems, and quality assurance. The Director will also serve as Chair of the Department of Environmental Toxicology and will work closely with university faculty and administration to develop extramural funding and new research initiatives with government agencies and industries. The successful candidate should have a proven record of administrative experience, academic excellence, and leadership. The position is tenure-track as a full professor in the Department of Environmental Toxicology.

FACULTY, ENVIRONMENTAL SCIENCES

Clemson is seeking six nationally recognized individuals with an established record of scholarship and extramural funding for its Institute of Wildlife and Environmental Toxicology. The University is expanding its scope of activities and research in the environmental sciences and is seeking faculty members with vision and leadership abilities. Excellent opportunities exist for faculty to establish teaching and research programs. Applicants must have an earned doctorate and be committed to an active research and teaching program and collaboration with colleagues in a variety of disciplines. Positions are nine months, tenure-track. The Institute is jointly administered by the College of Agriculture, Forestry, and Life Sciences and the College of Engineering and Science, but appointments may be in any of the five colleges which compose the University. The Institute is broad-based in its activities and includes research and teaching in ecotoxicology, behavioral toxicology, environmental chemistry, ecological modeling, policy analysis, geographic information systems, and human ecology.

Applications, including a curriculum vitae and the names and addresses of four references, should be sent to: Dr. B. Allen Dunn, Director; School of Natural Resources; 132 Lehotsky Hall; P.O. Box 340306; Clemson University; Clemson, South Carolina 29634-0306. Review of applications will begin on August 1, 1997, and searches will remain open until all positions are filled. Clemson University is an Affirmative Action/Equal Opportunity Employer



Howard Hughes Medical Institute

Program Analyst (One Year Appointment)

The Howard Hughes Medical Institute conducts scientific research in leading academic medical centers throughout the United States. Currently, we are seeking a Program Analyst to assist in the development and implementation of policies and procedures for the international research grants program and other programs as needed. **This is a one year, full-time appointment.**

Responsibilities involve assisting in soliciting and processing applications for review; recruiting review panel members and coordinating review panel meetings; reviewing annual financial and program reports from grantee institutions and researchers; assisting in organizing the annual scientific meetings of scholars; conducting background research relevant to international program activities; and preparing reports and publications summarizing the international program.

Requirements include a Master's Degree (Ph.D. preferred), or equivalent in the biological sciences; a minimum of 2 years work experience (preferably in an area of research administration or grants management); and strong management, organizational, communication, and informationgathering skills. Strong computer skills, including familiarity with Windows-based word processing and spreadsheet programs, database software, and the Internet, are also necessary. Previous laboratory research experience in a university environment or international research program management experience a plus.

HHMI offers a competitive salary and excellent benefits package. Please forward your resume and salary history to: **HHMI, Attn: Human Resources, 4000 Jones Bridge Road, Chevy Chase, MD 20815-6789.** EOE. http://www.hhmi.org



Molecular Informatics, a small, dynamic company based in Santa Fe, New Mexico, seeks the following team professional to join our growing staff.

SCIENTIST/GROUP LEADER, DATA PRODUCTS

You will be responsible for defining, developing and managing delivery of a data product family. Successful candidate will be a proven leader and Scientist with a Ph.D. or equivalent expertise (demonstrated by publications). Familiarity with standard DNA/protein sequence analysis tools, public map/sequence databases and WWW is essential. Bioinformatics systems experience would be a plus.

For complete information on this and other opportunities, please visit our Web Page at: www.molinfo.com.

Join a new company with established products and customers in the hot field of bioinformatics! If you're a driven professional, interested in working on cutting-edge research in biological informatics, please submit your resume and salary history to: MII/SCI/7497, 1800 Old

Pecos Trail, Santa Fe, NM 87505. FAX: (505) 982-7690. e-mail: hr@ molinfo.com(ascii or postscript only). EOE.



Faculty Position in Structural Biology

Cold Spring Harbor Laboratory

The W.M. Keck Center for Structural Biology at Cold Spring Harbor Laboratory seeks a new junior faculty member. A successful candidate will normally have postdoctoral experience and have demonstrated expertise in biological X-ray crystallography. He or she is expected to develop an independent research program.

The W.M. Keck Center for Structural Biology is an integral part of the overall research enterprise at Cold Spring Harbor Laboratory. The facility is equipped with state of the art equipment and is a member of the X26C beamline for crystallography at the National Synchrotron Light Source at nearby Brookhaven National Laboratory.

Women and under represented minority candidates are particularly encouraged to apply.

Candidates should send their Curriculum Vitae, a statement of research accomplishments and interests, and a list of three or more references no later than September 1, 1997 to:

> Bruce Stillman, Director Cold Spring Harbor Laboratory One Bungtown Road Cold Spring Harbor, NY 11724

Equal Opportunity Employer M/F



www.rri.on.ca

The John P. Robarts Research

Institute

Applications are invited for two Scientist positions available in the Autoimmunity/Diabetes Group of **The John P. Robarts Research Institute.** The Institute, located at The University of Western Ontario, is composed of 43 independent scientists conducting medical research in several areas, including: transplantation immunobiology, vascular biology, virology, gene therapy and neurodegenerative disease. Applicants will have interests in the areas of immunology/genetics of autoimmune disease. autoimmune disease, lymphopoiesis/gene therapy, inflammation/gene regulation, or clinical treatment of autoimmune diabetes, and will have a Ph.D. or M.D. and a minimum of three years postdoctoral experience. Qualified candidates will be experienced with transgenic and/or knockout animal models of autoimmune diseases, and will establish independent research programs using genetic, molecular and cellular approaches to investigate such diseases. Successful candidates will have opportunities to collaborate with members of the MRC/JDFI supported Diabetes Research Network Program, to teach and supervise graduate students and research fellows, and to be appointed to an appropriate department at The University of Western Ontario. Appointments will be made at a salary and rank commensurate with qualifications and experience. Please submit a letter of application, curriculum vitae, research accomplishments and goals, and names, addresses and telephone numbers of three references to:

Dr. Terry L. Delovitch Director, Autoimmunity/Diabetes Group The John P. Robarts Research Institute 1400 Western Road, London, Ontario, Canada N6G 2V4 Inquiries to Admin. Assist.: aleaist@rri.on.ca Deadline for Applications: November 1, 1997

In accordance with Canadian Immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada.



We're redefining the way the world looks at life sciences.

We're the new life sciences company at Monsanto.

Monsanto, a leader in innovative lifescience research, is now seeking highly motivated scientists to join our expanding team at our state-of-the-art lifescience research facility.located on a 122 acre wooded campus 20 miles west of metropolitan St. Louis. We have an immediate need for experienced personnel in the following positions:

Senior Scientist - Protein Purification

We seek an innovative Biochemist with expertise in protein purification to joina team involved in the discovery and development of purification processes for the manufacturing of recombinant DNA-derived protein products. As a member of our Process Technology team, the successful candidate will be responsible for developing novel protein separation technology and improving the understanding of the chemistry of existing processes. A Ph.D. in Biochemistry with a strong background in protein purification and protein chemistry is required. Excellent oral and written communication skills and the ability to collaborate with scientists from many disciplines are essential. Job Code: PP

Senior Scientist - Protein Analytical Technology

As a member of the Analytical Technology group, you will develop and optimize methods for the analysis of protein products. You will work closely with the Process Technology group providing analytical support for protein purification research, in-process analysis for manufacturing, and final product analysis. A Ph.D. in Biochemistry or a related field with a strong analytical emphasis is required. Must possess extensive hands-on experience in developing HPLC methods for the analysis of proteins. Experience in other protein analytical methods a plus. A proven record of good laboratory practices, strong communication skills, and an ability to conduct independent research are essential. Job Code: PAT

Senior Scientist - Fermentation

The successful candidate will be responsible for developing state-of-the-art *E. coli* fermentation processes for the manufacturing of recombinant DNA derived protein products. Responsibilities include leading a cross-functional team to develop processing, as well as monitoring control strategies, testing new strains, and overseeing scale-up to manufacturing operations. The ideal candidate must have a proven track record in the design and execution of recombinant organism fermentation projects. A Ph.D. in Biochemical Engineering, Microbiology or a relevant field with a minimum of 5 years of industrial experience are required. Job Code: F

Monsanto is committed to your professional development, and offers a stimulating, exciting work environment with an excellent compensation and benefits package. For consideration, please send your resume in full confidence to: Monsanto Company, Biotechnology Search Committee, Mail Zone: BB2E, 700 Chesterfield Pkwy, St. Louis, MO 63198. For more information on Monsanto Company visit our website at www.monsanto.com. EEO/AA Employer M/F/D/N.



RESEARCH SCIENCE OPPORTUNITIES

Merck Research Laboratories, a division of Merck & Co., Inc., is a world leader in biological and pharmaceutical research and is committed to developing breakthrough drugs and therapies in the shortest possible time frame, with the ultimate goal of improving world health. We are also committed to developing the careers of talented individuals throughout our organization. Currently, we have three positions available in the West Point, Pennsylvania facility.

Biochemist/Molecular Biologist (Ad # B-109)

The Department of Human Genetics has an immediate opportunity for a highly qualified scientist with expertise in studying signal transduction to work on the identification of receptor ligands and the analysis of gene expression regulation. Experience with G-protein coupled receptors is helpful. A Ph.D. or equivalent in Biochemistry or Molecular Biology with a minimum of two years of relevant postdoctoral experience is required. The successful candidate will be familiar with genomics and sequence analysis and must be able to engineer genes for expression and function analysis. Excellent communication skills and the ability to work in a team environment are essential.

Senior Research Biochemist (Ad # B-110)

The Department of Automated Biotechnology has an immediate opportunity for a motivated individual to serve as liaison between biological teams and the robotics lab. The successful candidate will establish a large variety of biochemical assays in microtiter plate format and convert assays to robotics format. This candidate will also evaluate and implement novel technologies and troubleshoot technical problems. A Ph.D. or its equivalent in Biochemistry or Physical Biochemistry with several years of postdoctoral biochemistry experience with emphasis on enzymology and/or receptors is required. Skills in protein purification, bioanalytical chromatography (HPLC), biophysical techniques (FRET, fluorescence polarization, luminescence) and chemical/enzymatic protein modification are also required. Knowledge of computer-aided data acquisition and analysis, as well as a variety of analytical skills, are essential. Excellent communication skills are required in order to function as part of this highly interactive team.

Supervising Excipient Chemist (Ad # D-111)

The Pharmaceutical Research and Development Department has an immediate opportunity for a scientist to coordinate the release of raw materials (excipient) and development of specifications, including testing in Pharmaceutical Analysis and Control and at contract laboratories. The selected candidate will also be responsible for direct release and control testing of pharmaceutical dosage forms under development during Phase I/II. The qualified candidate will possess a Ph.D. or equivalent (BS/MS with experience) with a background in Chemistry, Pharmaceutical Sciences, Material Science or a related discipline and 6-10 years in the pharmaceutical indiustry, including experience with raw materials. We are looking for an exceptional leader with demonstrated initiative and strong coaching skills. Strong analytical laboratory testing experience is essential, as is demonstrated accomplishments in a pharmaceutical analysis laboratory.

Excellent salary and benefit programs accompany these positions at our modern research facilities located 25 miles northwest of Philadelphia. Please send *curriculum vitae* with cover letter, copies of academic transcripts and the names of three references to (Note: If interested in multiple positions, please send separate CVs): Ad# ______, MRL Human Resources, WP42-2, Merck Research Laboratories, P. O. Box 4, West Point, PA 19486. Only candidates considered for interviews will receive responses. EOE, M/F/D/V. No phone calls or agencies, please.

To learn more about Merck, we invite you to visit our website at www.merck.com.





ORGANIC CHEMISTRY SENIOR FACULTY POSITION DEPARTMENT OF CHEMISTRY The Ohio State University

The Department of Chemistry at The Ohio State University seeks to recruit a **SENIOR OR-GANIC CHEMIST** to its faculty. This individual will have premier laboratory space in our newly constructed Newman and Wolfrom Laboratory of Chemistry. We wish to hire an individual at the senior level to begin autumn 1998. Applications received before October 15, 1997, will be given full consideration. Candidates should submit a curriculum vitae, a statement of research and teaching interests, and names of three references to

Chair, Senior Organic Faculty Search Committee c/o Ms. Debbic Smith The Ohio State University Department of Chemistry 100 West 18th Avenue Columbus, OH 43210 (614) 688-3390, FAX (614) 292-1685 e-mail: search@chemistry.ohio-state.edu Visit our website at:

http://www.chemistry.ohio-state.edu The Ohio State University is an Equal Opportunity, Affirmative Action Employer. Women, minorities, Vietnam-era veteraus, disabled veteraus, and individuals with disabilities are encouraged to apply.

PROFESSOR OF GEOBIOLOGY

The Department of Earth, Atmospheric, and Planetary Sciences at MIT invites qualified candidates to apply for a new faculty position in geobiology. The level of the appointment will depend on qualifications. We seek an outstanding biologist deeply interested in both research and teaching who has specific expertise in the interactions between biological organisms and/or systems and geo-logic, hydrologic, oceanic, or atmospheric processes. Of special interest is the evolution over time of organisms and ecosystems through the joint action of biological and environmental dynamics. The successful candidate will be an individual who focuses on theory and quantitative analysis but who also knows in depth and uses observations. One or more of the current programs at MIT in the earth, atmospheric, hydrologic, oceanic, biological, climatic, and planetary sciences are expected to provide a significant and welcome resource to the new faculty member for interdisciplinary sudies. Interested scientists should send a curriculum vitae and a one-page description of research plans, and arrange for three letters of reference to be sent by October 1, 1997, to: Ms. Erminia Picci-nonno, Department of Earth, Atmospheric and Planetary Sciences, Massachusetts Institute of Technology, Building 54-926, Cambridge, MA 02139-4307 or by e-mail: erminia@mit.edu; FAX: 617-253-8298. MIT is an Equal Opportunity/Affirmative Action Employer. MIT is a nonsmoking environment.

WILDLIFE ECOLOGIST: ASSISTANT/ASSO-CIATE PROFESSOR in the Department of Range, Wildlife, and Fisheries Management, Texas Tech University, tenure-track, nine-month faculty position available January 1, 1998. Summer salary is normally available through a combination of teaching and research. The position is about 50% teaching and 50% research with a typical teaching load of three or four courses per year. The applicant should have a Ph.D. in wildlife science or closely related area; experience and/or expertise in ungulate ecology, big game management, predator ecology, or landscape ecology desirable. Applicants should send curriculum vitae, transcripts, description of research interests, and have three letters of recommendation forwarded by September 15, 1997 to: Dr. David B. Wester, Search Committee Chairman, Department of Range, Wildlife, and Fisheries Management, Texas Tech University, Lubbock, TX 79409-2125. Telephone: 806-742-2483; FAX: 806-742-2280; e-mail: c7dbw@ttacs.ttu.edu. Texas Tech is an Affirmative Action/Equal Opportunity Employer

POSITIONS OPEN

FACULTY POSITION IN HEMATOLOGY STANFORD UNIVERSITY SCHOOL OF MEDICINE

The Division of Hematology invites applications for a faculty position at the **ASSISTANT**/ **ASSOCIATE PROFESSOR** level. Candidates should have independent funding and an outstanding record of productivity in these areas of interest: thrombosis, angiogenesis, homologous recombination, and transgenies. Newly renovated laboratory and office space will be provided, as well as generous start-up support. This position is in the Tenured Line Professoriate. The successful candidate will participate in the Program of Molecular and Genetic Medicine at Stanford.

Stauford University is committed to increasing representation of women and members of minority groups on its faculty and particularly encourages applications from such candidates.

Applicants should send a curriculum vitae, statement of research interests, and the names and addresses of three references, to: Lawrence Leung, M.D., Chief, Division of Hematology, Room \$161, Stanford University School of Medicine, 300 Pasteur Drive, Stanford, CA 94305-5112.

ASSOCIATE DEAN RESEARCH AND GRADUATE STUDIES

The University of Kansas School of Medicine announces the search for an Associate Dean for Research and Graduate Studies. The Associate Dean will have primary responsibility for enhancing research activity of the faculty and their professional development as successful investigators and research scholars. The incumbent will serve in an advisory capacity to the Executive Dean in matters of research resource allocation. The Associate Dean will encourage and promote collaborative research between basic science and clinical faculty and facilitate the development of multidisciplinary programs. He/she will serve as a liaison to the Office of Graduate Studies and Research Administration.

The successful candidate should have an M.D. or Ph.D. degree, substantive research and administrative experience, familiarity with government and other granting agencies, demonstrated research productivity, experience in graduate education, and strong interpersonal and communication skills. The successful candidate should qualify for a tenure-track position at a senior rank in an academic department. Salary will be commensurate with experience.

Nominations and/or applications should be submitted by September 1, 1997 to: James L. Voogt, Ph.D., Chair, Search Committee, School of Medicine, 3025 Murphy, University of Kansas Medical Center, 3901 Rainbow Boulevard, Kansas City, KS 66160-7300. An Equal Opportunity/Affirmative Action Employer.

DIRECTOR

The University of Nebraska Medical Center has initiated a search for the combined position of Director of the Eppley Institute for Research in Cancer and the NCI Designated UNMC/Eppley Cancer Center. The Eppley Institute is an academic unit at UNMC with approximately 24 tenured and/or tenure-leading faculty and more than 130 total personnel. The Director of the Eppley Institute is at the same level as a dean and reports directly to the Chancellor of UNMC. The Cancer Center, with over 130 members, combines the basic research at Eppley and the other departments at UNMC with the clinical cancer research for the Medical Center. The successful candidate should hold a Ph.D. or M.D. degree, have an ongoing strong basic research program, have demonstrated leadership abilities, and be able to work with a large and diverse group of basic and clinical scientists.

Applications, including a complete curriculum vitae and the names of three references, should be sent to:

James O. Armitage, M.D. Chairperson, Search Committee University of Nebraska Medical Center Chancellor's Office 600 South 42nd Street Omaha, NE 68198-6605

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POSITIONS OPEN

INORGANIC CHEMISTRY FACULTY POSITIONS DEPARTMENT OF CHEMISTRY The Ohio State University

The Department of Chemistry at The Ohio State University seeks to recruit two outstanding inorganic chemists to its faculty over the next two years: (1) a tenure-track **ASSISTANT PROFES-SOR** to begin during the summer of 1998, and (2) an established **SENIOR-LEVEL** colleague to join our faculty during 1998 or 1999. Although exceptional individuals in all areas of inorganic chemistry will be considered, special attention will be paid to candidates with research interests in solid-state inorganic chemistry or the chemistry of inorganic materials.

Applications received before October 15, 1997, will be given full consideration. Candidates should submit a curriculum vitae, graduate and undergraduate transcripts (junior candidates only), and a statement of research and teaching interests. In addition, senior candidates should provide the search committee with the names of three references. Junior candidates should arrange for three letters of recommendation to be sent directly to the search committee.

Chair, Inorganic Faculty Search Committee c/o Ms. Kathy Veit Department of Chemistry The Ohio State University 100 West 18th Avenue Columbus, OH 43210 (614) 292-6504, FAX (614) 292-1685 e-mail: vite.3@osu.edu Visit our website at: http://www.chemistry.ohio-state.edu The Ohio State University is an Eaual Opmontunity

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

The Chemistry Department at the University of Utah invites applications for two TENURE-TRACK FAC-ULTY POSITIONS, one in the area of analytical chemistry and one in the area of inorganic chemistry. Candidates must have the background, ability, and motivation to establish vigorous, competitive, contemporary research programs and to excel as educators. We anticipate filling the appointments at the junior level, but senior candidates will be considered. A Ph.D. is required and postdoctoral experience is desirable. Initial correspondence should include a detailed curriculum vitae and a statement of proposed research. In addition, applicants should have three letters of recommendation sent directly to the appropriate search committee. Reply to either: Analytical or Inorganic Search Committee, Department of Chemistry, 2040 Henry Eyring Building, University of Utah, Salt Lake City, UT 84112. Deadline for receipt of ap-plications is October 15, 1997, or until a suitable candi-date is identified. The University of Utah is an Affinnative Action/Equal Opportunity Employer, encourages applications from women and minorities, and provides reasonable accommodation to the known disabilities of applicants and employees.

RESEARCH ASSOCIATE POSITIONS ROTAVIRUS RESEARCH Children's Hospital Medical Center, Cincinnati

The Division of Infectious Diseases at Children's Hospital Medical Center is seeking highly qualified investigators to join a vibrant research program on human and animal rotaviruses studies. Areas of immediate interest will be the immunology of rotavirus disease and molecular correlates of immunity in rotavirus proteins. Preference will be given to Ph.D.'s trained in viral immunology or molecular virology who have had postdoctoral experience.

Send curriculum vitae and names and three references to: Richard L. Ward, Ph.D., Division of Infectious Diseases, Children's Hospital Medical Center, 3333 Burnet Avenue, CH-1, Cincinnati, OH 45229-3039. E-mail: wardd0@chmcc.org.

Senior Statistician Senior Biomedical Research Service-Eligible National Immunization Program Centers for Disease Control and Prevention (CDC)

The National Immunization Program, Centers for Disease Control and Prevention (CDC) invites applications for the position of the Deputy Director, Data Management Division. The incumbent will assume the chief leadership role, both technical and managerial, over the National Immunization Program's extensive and challenging statistical program.

A number of projects undertaken in the Division are exceptionally large and complex and are of national scope. They include the National Immunization Survey, the largest telephone survey conducted by the U.S. Government. In addition, substantial efforts to assess both immunization coverage and potential vaccine-related adverse affects involve collaborative work with both the National Center for Health Statistics, the Food and Drug Administration, The Health Care Financing Administration, and major managed care organizations. These projects are extensive, some involving hundreds of millions of records and are the principal sources of information to guide immunization programs in the United States.

Accordingly, a recognized figure with world-class statistical credentials is being sought. Applicants should have a record of superior scientific accomplishments. Qualifications include an outstanding list of peer-reviewed scientific publications, substantial experience in statistics or a closely related discipline, some familiarity with disease prevention and control programs, and proven ability to manage groups of scientific professionals. A doctoral degree (Ph.D., Sc.D., M.D., or other) is also required.

Depending on qualifications, the applicant may qualify for the Senior Biomedical Research Service (SBRS) with an annual salary range up to \$148,400. Public Health Service Commissioned Corps Officers are also eligible to apply. The interested applicant should send his or her curriculum vitae postmarked by July 31, 1997, to Nancy Peterson, Human Resources Management Office, Mailstop K07, Centers for Disease Control and Prevention, 4770 Buford Highway, Atlanta, Georgia 30341-3724. Telephone (770) 488-1785.

WHEN COMMITMENT AND COLLABORATION COME TOGETHER, ANYTHING IS POSSIBLE.

Working for a company that's as committed to people as it is progress is inspiring. Everyone's ideas are full of possibilities, and every possibility is full of potential. Lilly is such a company, known not only for its innovative health care solutions, but also for its pronounced effort to support individual achievement. Every person plays a critical role, embracing our mission to help people live healthier, more active lives. By working together, we work better, helping the world manage disease and illness. And while the science of technology has made it possible for us to market products in 120 countries, it's the science of collaboration among 26,000 worldwide employees that make Lilly such a successful company. So join us, and achieve everything you thought possible - and some things you never even imagined.

Occupying almost six acres within the Lilly Research Laboratories complex in Greenfield, Indiana (a suburb of Indianapolis), our Toxicology facility is one of the largest and most modern of its kind in the world. We offer competitive salaries, comprehensive benefits and significant challenges in a supportive, state-of-the-art environment.

For prompt consideration, please forward your curriculum vitae to: Greg Furrow, Human Resources (GL01), Eli Lilly and Company, P.O. Box 708, Greenfield, IN 46140.

We are an equal opportunity employer dedicated to diversity and the strength it brings to the workplace.

AND EVERYTHING IS ACHIEVED.

For other job opportunities, please access our Job Bank at: http://www.lilly.com or phone our Jobline: 1-800-892-9121.

TOXICOLOGIC PATHOLOGIST

Our Toxicology Scientists study the effects of chemicals on life processes with the goal of providing efficacious products that are safe to humans and the environment. To help ensure our continued success in this key area, we're seeking an additional Toxicologic Pathologist with DVM and Ph.D degrees in morphologic pathology. ACVP certification is strongly desired; a background which includes experimental pathology is desirable.

Responsibilities will include participation in study design, and evaluation and reporting of pathology data; contribution to the direction of interdisciplinary development teams is expected. Individuals with an interest in mechanisms of toxicity and correlating pathology data with data from other disciplines are encouraged to apply.



KNOWLEDGE IS POWERFUL MEDICINE

POSITIONS OPEN

ASSISTANT PROFESSOR X-RAY CRYSTALLOGRAPHY UNIVERSITY OF KANSAS SCHOOL OF MEDICINE

Applications are invited for a tenure-track Assistant Professor faculty position in the Department of Biochemistry and Molecular Biology at the University of Kansas Medical Center. Applicants should have a Ph.D. or M.D./Ph.D. degree with extensive postdoctoral experience in structural analysis of proteins or nucleic acids by X-ray crystallography. We are seeking an outstanding candidate who will establish a nationally competitive inde-pendent research program. This position is part of an expanding inter-institutional program in cellular and molecular biophysics between the University of Kansas Medical Center and the University of Missouri-Kansas City. The candidate will have a laboratory and computing facilities in the Department of Biochemistry and Molecular Biology of the University of Kansas Medical Center. The candidate will share a state-of-the-art X-ray crystallvary.html) located at the University of Missouri-Kansas City, three miles from the University of Kansas Medical Center. The Department of Biochemistry and Molecular Biology at the University of Kansas Medical Center (website: http://www.kumc.edu/biochemistry/) current-ly has 15 tenure-track faculty and 10 research track faculty with research interests in two major areas: structural biochemistry and molecualr genetics. The candidate is expected to teach at the graduate and medical student level.

Applicants should submit a curriculum vitae, a description of research interest and future plans and have three letters of recommendation sent to:

Chair, Faculty Search Committee Department of Biochemistry and Molecular Biology University of Kansas Medical Center 3901 Rainbow Boulevard Kansas City, KS 66160-7421

Review of applications will begin as soon as they are received and will continue until this position is filled. *The University of Kansas is an Equal Opportunity/Affirmative Action Employer.*

ASSISTANT PROFESSOR AT YORK COLLEGE, A SENIOR COLLEGE OF THE CITY UNIVERSITY OF NEW YORK

Tenure-bearing position available in any branch of molecular cell biology; research on a developmentally regulated system preferred. Teaching duties include Introductory Biology II (Molecular, Cell, and Genetics) and a Developmental Biology Lecture/Lab. Ph.D. required; postdoctoral and/or teaching experience desirable. Salary range \$29,931-\$53,213, depending on experience. The successful candidate is expected to develop a research program involving undergraduates and to apply for extramural funding, including our NIH-sponsored MBRS and MARC programs.

Send curriculum vitae, a brief description of research and teaching interests, and the names and addresses of three references:

Dr. Louis Levinger Natural Sciences/Biology York College/CUNY Jamaica, NY 11451

E-mail inquiries to: louie@mbrs.york.cuny.cdu Anticipated start date January 28, 1998. Closing date for applications is August 5, 1997. Interviews will be held after the closing date.

York College verifies education and experience statements. Selected candidates must provide proof of identity and employability.

Affirmative Action/Equal Opportunity Employer/Americans with Disabilities Act.

RESEARCH ASSOCIATE DUKE UNIVERSITY MEDICAL CENTER

Postdoctoral position available immediately to study the molecular genetics of thrombosis and regulation of the prothrombinase complex. Studies will focus on structure-function relationships in coagulation factor Va and regulation of cofactor activity by biological membranes and the protein C pathway. Experience in molecular biology and biochemistry is desirable. Please send curriculum vitae, list of publications and names of three references to: William H. Kane, M.D., Ph.D., Department of Medicine, DUMC-3656, Duke University Medical Center, Durham, NC 27710. FAX: 919-681-6160; e-mail: kane0003@mc.duke.edu. An Affinnative Action/ Equal Opportunity Employer.

PROGRAM DIRECTOR

Our University Relations Program has an immediate opening for a Program Director to provide technical/ scientific leadership for the Education Program and serve as the lead science and technology link with LLNL pro-grams, multiple sponsors including DOE, University Edschool systems, and with teachers. Will also establish a scientific research program and be an advocate for the relevance of the scientific content within the laboratory's scientific programs. Other duties include coordinating outreach efforts with Public Affairs Office and programs, coordinating externally-funded science education programs, and for the stewardship of human, financial, facil-ity, and equipment resources. With an annual budget of over \$3 million, candidate responsible for the program content and for the development, implementation, and oversight. Requires a Ph.D. or equivalent experience in a scientific, engineering, or computer science field, and a minimum of two years of successful experience in scientific research beyond Ph.D. research. Experience securing external funding and in management of programs, including the business and financial aspects as well as the ability to understand and project, at a technical level, the work at LLNL that is relevant to the DOE/DP mission and supported by the Education Program is essential. Strong scientific or technical leadership experience as well as strong interpersonal and communication skills. A broad knowledge of the DOE laboratories, LLNL programs, and pedagogical components of science education is desired. LLNL offers a competitive salary/benefits package. Send your résumé to: Lawrence Livermore National Laboratory, Attn: Kristine Kansa, L-725, P.O. Box 5510, R-4393, Department AJSC747KK, Livermore, CA 94551-5510. Résumés must be received by August 31, 1997 for serious consideration. LLNL is an Equal Opportunity Employer.

ASSISTANT PROFESSOR, Entomology, tenuretrack (65% research; 35% teaching). Ph.D. plus research expertise in either insect biocontrol, population/community ecology, or host plant resistance utilizing quantitative, biochemical, and/or molecular techniques. Strong communication and interpersonal skills and seeking extramural grant support required. Conduct original research on basic mechanisms using ornamental plants and their pests as model systems, with a portion directly relevant to solving problems in the ornamentals industry. Participate in team-taught courses in IPM and ornamentals pests, develop graduate-level course and mentor graduate students. Collaborate with Extension Associate in extension and outreach programs in support of the ornamentals industry. Submit letter of application, résumé, academic transcripts, statement of research interests, and names and addresses of five referees to: Dr. James L. Frazier, Head, Department of Entomology, 501 ASI Building, Box S, Penn State University, University Park, PA 16802. Application deadline: August 15, 1997. Affirmative Action/ Equal Opportunity Employer. Women and minorities encouraged to apply.

ENVIRONMENTAL SCIENTIST/ ENVIRONMENTAL HEALTH PHYSICIST ENVIRONMENTAL SCIENCE AND RESEARCH FOUNDATION

We seek motivated, self-reliant, experienced candidates to fill one or more full-time, permanent positions to direct and conduct a large scale environmental radiation surveillance program and coordinate a safety and health program. Position announcement available from: Ms. Weisflog, e-mail: weisflog@esrf.org, or telephone: 208-525-7038. Send qualifications letter, résuné, salary requirements, transcripts and names/addresses/telephone numbers of three references to: Dr. Doyle Markham, Executive Director, Environmental Science and Research Foundation, P.O. Box 51838, Idaho Falls, ID 83405.

PLANT MOLECULAR BIOLOGIST, GS-0401-12/13, Announcement No. ARS-D7S-0156. USDA, ARS, Natural Products Utilization Research Unit, Oxford, MS, is seeking an individual to work with a team of plant scientists and chemists to manipulate the secondary metabolism of plants with the objective of increasing the production of natural pesticides and pharmaceuticals. Salary commensurate with experience (\$44,953-\$69,492). For qualification requirements/application procedures, contact: Steve Duke at 601-232-1034; c-mail: sduke@ag.gov. U.S. citizenship required. Applications must be postmarked no later than July 21, 1997. USDA, ARS is an Equal Opportunity Employer.

POSITIONS OPEN

The U.S. Environmental Protection Agency's (EPA) National Health and Environmental Effects Research Laboratory, Neurotoxicology Division, Neurophysiolog-ical Toxicology Branch, in Research Triangle Park, North Carolina is seeking a RESEARCH PSYCHOLOGIST, GS-180-12/13 to develop a research program on the effects of exposure to environmental pollutants on the visual systems of adult and developing organisms. The ideal candidate will have a Ph.D. and postdoctoral expe-rience, the ability to conduct research on the effects of exposure to environmental agents on the visual system; training in visual neurobiology (or a related field) and neurotoxicology; the ability to communicate research findings orally and in writing; and expertise in the application of quantitative models to visual neurophysiological and/or psychophysical outcome data. In addition, experience studying the effects of environmental agents on the development of the visual system and experience using a variety of experimental approaches and models and a variety of laboratory animal and human test species will be considered advantageous. The position may be filled at either the GS-12 or GS-13 level (\$44,953-\$69,492), depending on the individual's qualifications. How to apply: Current or former permanent federal employees may apply through EPA by calling our jobline at 919-541-3014 and requesting the application materials for EPA-RTP-97-173. All other applicants must apply through the U.S. Office of Personnel Management (OPM) by calling OPM's automated jobline at 919-790-2822 and requesting the application package for AR0650 or by con-tacting OPM via the Internet at: www.usajobs.opm.gov and completing the online application form. Requests for application packages must be made no later than July 18, 1997. EPA is an Equal Opportunity Employer

NEUROBIOLOGY RESEARCH-TRACK POSI-TIONS. Two positions available for: (1) An integrative and/or cellular neurophysiologist to study membrane properties, synaptic integration, and plasticity in mammalian olfactory bulb and piriform cortex. Demonstrated experience and publications in intracellular or patch clamp recording in slices, and/or infrared and/or voltage/Ca-sensitive dye imaging required. (2) A neuroanatomist to study connections, neurochemistry, and morphology in olfactory bulb and piriform cortex cir-cuits. Experience and publications in immunocytochemistry, in situ hybridization and/or tract tracing techniques required. Applicants for both positions should possess a Ph.D. and/or M.D. Excellent oral and written communication skills are required. Send curriculum vitae and names, addresses, and telephone numbers of three references to: Dr. M. Ennis/M. Shipley, Department of Anatomy & Neurobiology, University of Maryland School of Medicine, 685 West Baltimore Street, Baltimore, MD 21201. E-mail: mennis@umabnet.ab.umd.cdu. The University of Mary-land is an Affirmative Action/Equal Employer Opportunity/ Americans with Disabilities Act Employer. Minorities and women are encouraged to apply.

RESEARCH ASSOCIATE

The University of Minnesota Cancer Center announced a full-time annually renewable research associate position to conduct and supervise studies of the molecular genetics of human acute leukemias. Applicants must have a Ph.D. in biological sciences, the foreign equivalent, or an M.D. with a minimum of one year of research training with significant experience/training in molecular genetic techniques including DNA cloning, development of DNA constructs, and tissue culture. Previous experience with embryonic stem cells is preferred.

Qualified applicants should submit a curriculum vitae and the names and addresses of three references to: Tucker LeBien, Ph.D., University of Minnesota Cancer Center, Box 806 Mayo, 420 Delaware Street S.E., Minneapolis, MN 55455, ATTENTION: Cindy Prange.

Applications must be postmarked by August 15, 1997. The University of Minnesota is an Equal Opportunity Educator and Employer.

POSTDOCTORAL POSITION

A postdoctoral position is available immediately to study neural regulation of catecholamine gene expression. Ph.D. in biomedical sciences required. Experience with molecular biological and cellular techniques is desirable. Please send résumé and names of three references to: **Marian Evinger, Department of Pediatrics, SUNY Stony Brook, Stony Brook, NY 11794-8111.** An Affinnative Action/Equal Opportunity Employer.



AND THEIR NEIGHBORS AREN'T NEARLY AS INTERESTING.

It's all part of our "traditional" approach to immune system science. For over 15 years, Immunex has maintained a very non-traditional level of investment in biomedical research. This has helped make us one of the most advanced companies focused on the discovery, development, manufacture and marketing of products to fight against cancer and immune system diseases. At our Seattle headquarters, you'll find 300 of the world's most prolific scientists, working in one of the most dynamic, picturesque cities in the country.

BIOLOGISTS

We currently have two openings on our highly specialized team which is testing and evaluating proprietary molecules in animal models of cancer and infectious disease. These individuals will work with novel immunoregulatory molecules under development for clinical trials. Members of the team will be highly interactive with each other and with the existing biology and basic science staff at Immunex.

Successful candidates will be experienced in the development of infectious disease or cancer models. Background which includes the testing of biologics/non-biologics for activity in such models is highly desirable. **Job #SM721S0797.**

POST DOCTORAL FELLOWSHIP

The Department of Cell Sciences is seeking candidates with a Ph.D. in Molecular Biology, Cell Biology, Chemical Engineering or a related field to study the basic biology of problems related to expression or function of recombinant proteins. A variety of topics are currently being investigated including expression vector development, secretion of recombinant molecules, cell cycle analysis, cell line engineering, protein engineering and bioreactor development. Fellows are encouraged to publish their findings. **Job #SM72300797.**

For specific information about these positions, please visit our web site at http://www.immunex.com.

Anything but a sterile environment. Immunex is just as advanced when it comes to the well-being of our employees. Our award winning "work life" programs received national and state-wide recognition.

From a daily ferry commute where the roadside attractions might include a pod of Orcas, to its world-class restaurants and entertainment scene, Seattle is a most uncommon place in which to live. Just as Immunex is a most uncommon place in which to work.

Please submit resume (Immunex utilizes scanning technology) to: Immunex Corporation, Attn: Human Resources, (Please specify Job #), 51 University St., Seattle, WA 98101-2936. FAX: (206) 623-4572. Jobline: (206)389-4060. Equal Opportunity Employer.



Skin Biology Research

Kimberly-Clark, a Fortune 100 Company and leading manufacturer of personal care consumer products, is seeking outstanding Research Scientists to join its Skin Science Research Group at its Neenah, Wisconsin Research and Development Center.

Senior Research Scientist -Cutaneous Immunology

The successful candidate will conduct independent and lead team-based research studying the effects of various types of injury on skin immune function. Expertise in immunoregulation at the cellular level, with an emphasis on cytokine and cell surface molecule expression is highly desirable. To qualify for this position, you must have a Ph.D. in Immunology with 0-5 years of post-doctoral experience. Candidates must possess excellent written and oral communication skills and be able to work effectively within a diverse multidisciplinary research environment.

Senior Research Scientist -Stratum Corneum Biology

The successful candidate will conduct independent and lead team-based research studying the effects of various stimuli on stratum corneum structure and function. Expertise in stratum corneum biochemistry, skin barrier, and percutaneous absorption is highly desirable. To qualify for this position, you must have a Ph.D. in Biochemistry or related discipline with 0-5 years of post-doctoral experience. Candidates must possess excellent written and oral communication skills and be able to work effectively within a diverse multidisciplinary research environment.

Scientist -Protein Biochemistry

The successful candidate will perform research in the areas of protein purification and characterization. Experience with preparative electrophoresis, Western blot, and ELISA methods is highly desirable.

To qualify for this position, you must have a M.S. or B.S. degree with 3+ years of experience.

Kimberly-Clark provides a competitive compensation and benefits package. For consideration, please send your resume, indicating the position of interest, in confidence to: **Kimberly-Clark Corporation, Attn: Technical Recruiting -SSR, 2100 Winchester Road, Neenah, WI 54956.** www.kimberly-clark.com Kimberly-Clark is an Equal Opportunity Employer.

Kimberly-Clark Corporation

POSITIONS OPEN

ASSISTANT PROGRAM DIRECTOR PLANT, SOIL, FOREST, OR ENVIRONMENTAL SCIENCE

The National Research Initiative Competitive Grants Program of the U.S. Department of Agriculture seeks a qualified scientist to serve as ASSISTANT PROGRAM DIRECTOR for grants administration in the Natural Resources and the Environment Division. Relevant disciplines include plant biology, plant physiology, plant ecology, forestry, or environmental or soil science. Candidates must have an advanced degree with major study in at least one of the areas listed above or a closely related field. It is preferable that the candidate have a Ph.D. or equivalent specialized experience. This is a competitive vacancy, open to all United States citizens. Closing date is July 28, 1997. For information on the position, contact: Dr. Anne Datko, Division Director, National Research Initiative Competitive Grants Program, CSREES/USDA, STOP 2241, 1400 Independence Avenue S.W., Washington, DC 20250-2241. Telephone: 202-401-4871; e-mail: adatko@recusda.gov. For information on application procedures/forms, contact: USDA/ARS Human Re-sources Division, Telephone: 301-344-3960. Vacancy Announcement WA-AG-05-97-098. USDA is an Equal Opportunity Employer.

DEVELOPMENTAL BIOLOGIST

The Department of Biology at the "Vrije Universiteit Brussel," Brussels, Belgium is seeking a senior-level faculty member (Associate Professor; "Docent").

Applicants should have a relevant doctoral degree and background in the area of developmental biology. The successful candidate will participate in the teaching of graduate and postgraduate students (comparative anatomy, morphogenesis and development, evolution of diversity, and optional courses to be agreed on) and will undertake a vigorous independent research programme in an area relevant to developmental biology. Candidates must be willing to acquire adequate knowledge of the Dutch language and to establish collaborations with colleagues active in environmental sciences and molecular biology. Applicants should send a curriculum vitae, and a brief summary of ongoing research interests and of teaching experience to: Prof. Dr. M. Jacobs, Department of Biology, Vrije Universiteit Brussel, Paardenstraat 65, B-1640 St. Genesius-Rode, Belgium.

Deadline for submission of application: September 15, 1997.

PHYSICAL OCEANOGRAPHER

The Department of Oceanography at the Florida State University invites applications for a nine-month, tenuretrack position in physical oceanography. Candidates must have earned a Ph.D. in oceanography or a closely related field. Postdoctoral experience is preferred. The successful applicant will teach graduate and undergraduate courses, advise M.S. and Ph.D. students, and develop an independent and successful research program. Our search is open to all specialties within physical oceanography, including climate, observations, and remote sensing. The position is available from August 1998. Salary will be commensurate with experience and start-up funds will be available. Applications will be accepted until September 5, 1997. Applicants should send a current curriculum vitae, a statement of research interests, copies of up to three representative publications, and the names of three references to: Dr. William K. Dewar, Chair, Search Committee, Department of Oceanography, Florida State University, Tallahassee, FL 32306-3048. E-mail: bill@ocean.ocean.fsu.edu. Formal application must be made by mail. The Florida State University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL ASSOCIATE position at Cornell University in a lab studying cognitive effects of developmental brain damage using an animal model. Two current NIH-funded projects concern early exposure to cocaine and lead, respectively. Studies are designed to specify the cognitive processes affected, identify the underlying mechanisms, and test improved therapeutic interventions. Ph.D. required. Preference given to candidate with expertise in the biology of cognition and statistics. Send curriculum vitae and three letters of reference to: Dr. B. J. Strupp, Department of Psychology and Division of Nutritional Science, Cornell University, 109 Savage Hall, Ithaca, NY 14853-6401. Telephone: 607-255-2694; FAX: 607-255-1033; e-mail: bjs13@cornell.edu. Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

BIO-INFORMATION SYSTEMS MANAGER DEPARTMENT OF CELL BIOLOGY HARVARD MEDICAL SCHOOL

Facilitate cell biology research by developing effective use of information technology in the department, which has over 200 members. Provide training and assistance; design and implement solutions for Windows and Macs. Manage Netware file systems, multiple servers, and databases. Will be trained on Netware/WWW servers, digital imaging, multiprotocol networks, and relational databases.

The successful candidate will have an advanced degree in molecular/cell biology or biochemistry and two years of relevant experience. Excellent communication and teaching skills; strong initiative to solve problems independently and work as a team member. Send résumé, publications and names of three references to: Robert Amelio, Office of Human Resources, Harvard Medical School, 25 Shattuck Street A-010, Boston, MA 02115-6092. Harvard Medical School is an Equal Opportunity/Affinuative Action Employer.

DIRECTOR OF RESEARCH SAFETY/EFFICACY TESTING

Liberty Research, Inc. provides contract research services to the companion animal health industry. We are seeking a talented and energetic individual who will play a major role in the growth and development of the company. This position requires a graduate degree in either toxicology or a related field with experience in safety and efficacy testing. Liberty offers a competitive salary, incentive pay, a 401K plan, and health insurance. Please apply in writing, enclosing your curriculum vitae/résumé, to: Dr. Brian E. Johnson, Vice President of Research, Liberty Research, Inc., P.O. Box 107, Waverly, NY 14892-0107.

POSTDOCTORAL POSITIONS

Many postdoctoral positions in the Institute of Atomic and Molecular Sciences, Academia Sinica are available. Candidates will have choice in selecting subjects related to the combustion and atmospheric chemistry research. Research projects include photodissociation, photoionization, spectroscopy and reaction dynamics of molecules, radicals and clusters, diagnostics of flame and combustion, ozone microdischarge and generation, laser development, and theoretical and computational chemistry. Interested persons should submit a résumé and names of three references to: **Professor S. H. Lin, Director, In stitute of Atomic and Molecular Sciences, Academia Sinica, P.O. Box 23-166, Taipei 106, Taiwan**.

POSTDOCTORAL POSITIONS are immediately available in the Department of Physiology with **Drs. Raizada, Sumners**, and **Gelband** to study the signal transduction mechanisms of angiotensin receptors in neuron, vascular smooth muscle and endothelial cells. Experience with molecular biological, electrophysiological, and Ca²⁺ fluorometric techniques are preferred. Send, FAX, or e-mail curriculum vitae and names of three references to: **Dr. Craig H. Gelband, Department of Physiology, University of Florida College of Medicine**, **P.O. Box 100274**, **Gainesville**, **FL 32610**. **FAX: 352-846-0270; e-mail: gelband@phys.med.ufl.edu; website: www.med.ufl.edu/phys**. *Equal Opportunity/Affirmative Action Employer*.

POSTDOCTORAL POSITION

We are seeking a research associate to study signal transduction mechanisms in lymphocyte development, activation, and homeostasis using model transgenic animal systems (*Innumity*, 5:563, 1996; *JEM*, **185**:1897, 1997). Minimum requirements include Ph.D. and/or M.D. degree(s) and significant research experience in molecular and cellular immunology.

Please send your résumé with three letters of recommendation to: Dean W. Ballard, Ph.D., c/o Julie Morris, Vanderbilt University Medical Center, 802 Light Hall, Nashville, TN 37232-0295. Equal Opportunity Employer.

POSTDOCTORAL POSITION available to study mechanisms of catalysis and long-range electron transfer by redox enzymes. Experience in steady-state and transient kinetics and molecular biology desirable. Send curriculum vitae and names of three references to: Dr. Victor L. Davidson, Department of Biochemistry, University of Mississippi Medical Center, Jackson, MS 39216-4505. Equal Opportunity Employer, Minorities/Females/Disabled/Veterans.

POSITIONS OPEN POSTDOCTORAL OR RESEARCH ASSOCIATE POSITIONS AT THE CENTER FOR FLUORESCENCE SPECTROSCOPY

Positions are available for individuals with broad interests in fluorescence spectroscopy and its applications to biophysics and clinical diagnostics. Ph.D.'s with specialized skills in one or more of the following areas are encouraged to apply: 1. Theory, 2. Organic synthesis of metal-ligand fluorophores, 3. Molecular biology and sitedirected mutagenesis, 4. DNA sequencing and *in situ* hybridization, 5. Fluorescence microscopy and imaging, 6. Instrumentation. Qualified candidates must have excellent skills in written and oral English communication. Initial position is for one year. Interested individuals should submit a curriculum vitae, three letters of recommendation, and representative reprints to:

Dr. Joseph R. Lakowicz University of Maryland School of Medicine Center for Fluorescence Spectroscopy Department of Biochemistry & Molecular Biology 725 West Lombard Street, N260 Baltimore, Maryland 21201 USA

Affirmative Action/Equal Employment Opportunity Employer

POSTDOCTORAL FELLOWSHIP. The Section on Neuroendocrine Immunology and Behavior at the National Institute of Mental Health is seeking a candidate with experience in molecular biology, immunology, and/or neurobiology to pursue studies in the mechanisms and role of neuroimmune interactions in inflammatory disease susceptibility and associated behavioral responses. These studies involve animal models and/or applications to human subjects, and include molecular genetics and molecular mechanisms of neuroimmune interactions. Candidates must have less than five years of postdoctoral experience. Send curriculum vitae/bibliography and three letters of reference to: Ester M. Sternberg, M.D., Chief, Section of Neuroendocrine Immunology and Behavior, NIMH, Building 10, Room 2D-46, 10 Center Drive, Bethesda, MD 20892-1284. E-mail: ems@codon.nih.gov.

NIH is an Equal Opportunity Employer

POSTDOCTORAL RESEARCH FELLOW position is available immediately in the Membrane Biochemistry Laboratory of Columbia University in the City of New York, to work with a cataract research team. Candidate should be a Ph.D. or M.D. with experience in techniques for cell and molecular biology. The research projects include membrane phospholipid-protein interactions in cataract, growth-factor inhibitors, and the signal transduction processes in cellular growth and differentiation in lens. Please send curriculum vitae with names of three references to: Dr. Kailash C. Bhuyan, Department of Ophthalmology, College of Physicians and Surgeons, Columbia University, 630 West 168th Street, New York, NY 10032. Telephone and FAX: 212-305-2768; e-mail: kcb4@columbia.edu. Columbia

POSTDOCTORAL POSITION available immediately to study mouse models of lung cancer developed by transgenic methods. Expertise in histological methods and molecular biology preferred. Interested individuals should send a curriculum vitae and the names of three references to: Gil Morris, Ph.D., Department of Pathology, SL-79, Tulane University Medical Center, 1430 Tulane Avenue, New Orleans, LA 70118. FAX: 504-587-7389. Tulane University is an Equal Opportunity Employer.

POSTDOCTORAL POSITION available immediately to participate in ongoing study of molecular mechanisms of the negative effects of prenatal cocaine exposure on cerebral cortical development. Individuals with knowledge of neuroscience and experience in immunocytochemistry and molecular biological techniques are preferred. Send applications to: Dr. Michael Lidow, OCBS Department, Room 5-A-12, University of Maryland, Baltimore, 666 West Baltimore Street, Baltimore, MD 21201. E-mail: mlidow@umabnet.ab.umd.edu.

POSTDOCTORAL TRAINING: CNS and brain tumor immunology. Projects include optimizing tumor attack by migratory cells (see *Canter Res.*, **53**:176, 1993; *Brain Pathol.*, **4**:125, 1994). To apply, please include reasons for your interest and fellowships for which you are eligible. Experience in rat T cell modification or traffic useful, not required. Can start July 1998 or sooner. Reply to: Dr. L. Lampson, Harvard Institutes of Medicine/6th Floor, 77 Avenue Louis Pasteur, Boston, MA 02115.

NATIONAL INSTITUTES OF HEALTH

Undergraduate Scholarship Program (UGSP)

Qualified undergraduates can train and be mentored at the cutting edge of biomedical research while receiving scholarship support.

The UGSP is sponsored by the National Institutes of Health (NIH), the Federal Government's lead biomedical research and research training agency. NIH offers scholarships to qualified individuals who are committed to a career in biomedical research.

Scholarships up to \$20,000 per year support tuition, educational, and qualified living expenses (room, board, transportation) while students pursue an undergraduate degree.

During each year of the award, scholars serve for 10 weeks (with salary/benefits) as employees in NIH'research laboratories. They are assigned mentors, participate in seminars and programs available to all NIH researchers, and are provided with housing and transportation. After graduation, they serve 1 year of full-time employment at NIH for each year of scholarship support.

Interested students should apply if they:

- Are committed to a career in biomedical research;
- · Are from a disadvantaged background;
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For more information, contact

NIH/OD/OIR/OLRS UGSP 7550 Wisconsin Avenue, Room 604 Bethesda, MD 20892-9121

Phone: 800-528-7689 Fax: 301-402-8098 e-mail: ugsp@nih.gov TTY: 1-888-352-3001 http://ugsp.info.nih.gov



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Senior Scientist - Molecular Oncology

As Senior Scientist, you will lead a research group in our Molecular Oncology Department. To be considered for this opportunity, you must have postdoctoral training and 3-5+ years of research experience in one or more of the following areas: basic mechanisms of oncogenesis, tumor suppressor genes, cell cycle, cell death and DNA viruses. Strong communication skills and the ability to work well in a team environment are required. Job Code SCI0570

Senior Scientist - Molecular Biology

As an integral member of the Molecular Biology Department, you will work with a team of scientists to identify and characterize the roles of potential novel therapeutics. Your responsibilities will include supervision of the group's efforts to utilize gene knockouts and transgenic approaches to elucidate the functions of genes in animals. To qualify for this position you must have a Ph.D. with a minimum 5 years of postdoctoral experience and a proven record of achievement in ES cell technology. Prior laboratory supervision experience and excellent communication skills are required. Job Code SCI0381

Senior Scientist - Biologist/Biochemist

We are currently seeking a Ph.D./M.D. level Cell Biologist/Biochemist to establish and operate the Fluorescence Cytometry Core Lab and support Genentech's drug development projects in our Bioanalytical Methods Development Group. In this role you will be responsible for developing methods to support pre-clinical and clinical studies for recombinant protein drug development. You will also quantify recombinant proteins and enable the characterization of their activity in vivo utilizing cellular, biochemical, immunochemical and molecular methods. Proven expertise in flow cytometry and fluorescence microscopy is required.

In addition, you will ensure that state-of-the-art technology and reagents are used for the development of suitable flow cytometry and fluorescence microscopy methods. Experience with fluorophores and knowledge of labeling procedures and cell morphology are essential. Familiarity with immunoassays applicable to the measurement of pharmacokinetic and pharmacodynamic properties of biopharmaceuticals is a plus. This role requires a great deal of collaboration with your team scientists and with colleagues in other disciplines, and requires excellent interpersonal and communication skills. Job Code SCI0514

Join us and enjoy our exciting success and progressive benefits package that includes fully paid medical/dental/vision coverage, 3 weeks paid vacation, a paid sabbatical program, stock purchase opportunities for full time employees, and free health club membership. For consideration, send your resume indicating Job Code, to Genentech, Inc., Human Resources, P.O. Box 1950, South San Francisco, CA 94083-1950. Please avoid bold, underline or italic type faces. We cannot accept faxed resumes. You may also e-mail your resume, indicating Job Code, to jobs@gene.com (ASCII files only with a maximum line width of 76 characters). Genentech is an Equal Opportunity Employer. We value the contributions of our diverse workforce.



pportunities in Seattle with ZymoGenetics

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Located in Seattle's historic Lake Union Steam Plant, we have the following opportunities available:

Scientist/Senior Scientist Animal Pharmacology Group

We are seeking an in vivo biologist to join a team testing novel proteins in animals to determine their functions and possible therapeutic utility. Responsibilities include design, performance and analysis of animal experiments to identify biologic activities of protein agents as well as identification of appropriate animal models for evaluation of therapeutic potential. Strong written and oral communication skills are required. Versatility and flexibility are essential. Must be able to work in a multi-disciplinary team. Expertise in one or more of the following areas is useful: evaluation of transgenic and knockout phenotypes, inflammation, autoimmune disease, tumor cell growth and metastasis. Applicants should have a Ph.D, DVM, or MD, and 2-6 years academic or industrial experience in pathology, pharmacology, or physiology. *Job #15R597*.

Scientist/Senior Scientist

We are seeking an innovative scientist to investigate function and dissect mechanism of action of novel therapeutic proteins. The successful candidate will have a strong background in cell biology and extensive experience in the evaluation of diverse biological activities using in vitro assay systems. The position will be responsible for identification, implementation, and performance of in vitro assays for elucidation of protein ligand function. Knowledge of cytokines and growth factors, their receptors and signal transduction pathways is required. Experience in the use of molecular biology techniques to create engineered cell lines and assay systems to address biological questions is desired. This position requires a Ph.D. and 2-5 years of related experience or B.S./M.S. and 10+ years related experience. *Job* #15R497.

ZymoGenetics offers intellectual challenge, state-of-the-art facilities and a generous benefits package. Please apply by sending your resume to: ZymoGenetics, Inc., Human Resources, 1201 Eastlake Avenue East, Seattle, WA 98102. *Please specify the position for which you are applying by list-ing the corresponding job number.* ZymoGenetics is committed to equal opportunity and diversity.

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Manager

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On-site Palmer Station responsibilities include management of environmental/safety/health-related activities, administrative oversight, emergency response planning, maintenance of good international relations and serving as host to tourists. Denver duties include personnel recruitment, population management planning, coordination of multidivisional planning efforts (Science Support, Logistics, Maintenance & Construction, Infosys) and budget development.

Proof of U.S. citizenship is required along with the ability to pass stringent physical/dental exams prior to deployment to Antarctica. We offer a competitive salary/benefits package.



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RESEARCH SCIENTIST I Molecular Structure/Crystallography

You will apply your protein crystallography experience to the expression and purification of proteins for X-ray diffraction experiments. This will include purification of proteins from a variety of expression systems as well as crystallization of proteins with bound ligands. You will need a Ph.D. with 0-3 years' relevant experience or an MS/BS degree with 10 years' relevant experience. Your background must demonstrate X-ray diffraction data collection and protein structure determination (MIR, MR, MAD) experience along with strong protein purification skills, including FPLC and HPLC techniques and protein crystallization methods. Job#SCI0704KH-A

RESEARCH SCIENTIST I/II

Molecular Structure/Computational Chemistry The computational chemist we select will have a good understanding of medicinal/synthetic chemistry and be able to apply a variety of computational approaches to the design and discovery of small molecule inhibitors. This will involve utilizing computational tools for molecular dynamics, design and analysis to facilitate drug discovery. Qualified candidates will have a Ph.D. in computational, physical or medicinal chemistry or equivalent with 2-5 years' postdoctoral experience or relevant industrial experience in computational chemistry. Experience with molecular dynamics and library design, plus excellent computer skills with an emphasis on UNIX required. Job#SCI0704KH-B

Located in the San Francisco Bay Area—close to Stanford University and near scores of biotechnology companies—Roche Bioscience offers a highly attractive salary, bonus plans, a full benefits package, including relocation assistance, plus a unique environment that rewards new ideas and courageous decision-making. Explore our opportunities firsthand. Apply today by sending your resume to: Roche Bioscience, (indicate Job Number), 3401 Hillview Avenue, Palo Alto, CA 94304. Fax 415/424-8159. You may also see us on the WWW at: http://www.roche.com/bioscience. As an equal opportunity employer, we are committed to workforce diversity.



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Laboratories. Currently, our Pharmaceutical Products Division is meeting our commitment with several innovative breakthroughs, and now seeks the following individuals:

MOLECULAR NEUROBIOLOGIST

The Exploratory Neuroscience group is seeking a Molecular Neurobiologist to join its efforts in finding new drug targets. The ideal candidate will have a Ph.D and at least three years post-doctoral experience in Molecular Neurobiology. Candidates must be skilled in the areas of cloning and expression as well as the use of genomic information to aid in the process of target discovery and development. Excellent communication skills and a good publication record are essential for effective functioning as part of an interdisciplinary team. Job# (97-LAM-1770)

ASSISTANT PHARMACOLOGIST

The selected candidate will assist the Exploratory Neuroscience group in examining the biochemical and molecular pharmacology properties of drug receptors. Knowledge of receptor binding, radioimmunoassay, or second messenger assay techniques are required. Candidates should possess a M.S. degree in Pharmacology, Biochemistry or a related life science, or a B.S. degree and similar background. Experience in cell biology, cell culture techniques, and/or molecular biology skills is a plus. Knowledge of signal transduction pathways of 7TM receptors is desired, as well as familiarity with computer-based data analysis and databases for both biological and chemical data. Job# (97-LAM-1246)

ASSISTANT CELL BIOLOGIST/ MOLECULAR BIOLOGIST

The selected candidate will assist the Exploratory Neuroscience group in cell biology and/or molecular biology techniques in studies of drug receptors. Knowledge of cell biology, cell culture techniques, and/or molecular biology skills is required. Candidates should possess a M.S. degree in Cell Biology or Molecular Biology or related life science, or a B.S. degree and similar background. Knowledge of signal transduction pathways of 7TM receptors is a plus. Familiarity with computerbased data analysis and databases for both genomics and bioinformatics data is desired. Job# (97-LAM-1148)

With 52,000 employees worldwide and over \$11 billion in annual sales, we've established ourselves as a respected and innovative leader in the health care industry. We offer an outstanding compensation and benefits package including profit sharing and a stock retirement plan. In addition, we are located in an attractive suburban setting approximately 30 miles north of Chicago. For confidential consideration, please send your resume with salary history to: Abbott Laboratories, Job# (please indicate), D583, AP9ALL, 100 Abbott Park Rd,

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POSTDOCTORAL RESEARCHERS

SyStemix, a Novartis company, is developing cell and cell-based gene therapies for the treatment of cancer, genetic disorders and AIDS, focusing on the transplantation of hematopoietic stem cells. We are currently seeking Postdoctoral Researchers with cellular or molecular biology expertise for two-year appointments in the following areas:

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SyStemix encourages an environment for postdoctoral researchers to develop their careers through active participation in our scientific research, publications, relevant meetings and conferences. All positions include paid interview and relocation expenses as well as health/life insurance, paid vacation time and holidays. All positions require a recent PhD. Salary is \$37K.

Applicants should submit a current CV or resume with a brief statement of research interests as well as three letters of recommendation to: SyStemix, Inc., Human Resources, Dept. SCI7497, 3155 Porter Drive, Palo Alto, CA 94304 or email to hr@stem.com. FAX {415} 813-4121. http://www.stem.com. EOE.



National Institute on Alcohol Abuse and Alcoholism National Institutes of Health Department of Health and Human Services DIRECTOR, DIVISION OF BASIC RESEARCH

The National Institute on Alcohol Abuse and Alcoholism (NIAAA) invites applications for the position of Director, Division of Basic Research (DBR). This is a Senior Executive Service (SES) position with a salary ranging from \$103,897 to \$123,100 including locality pay. Physicians may be eligible for a Physicians Comparability Allowance of up to \$20,000 per annum. A one-year probationary period must be served by the individual selected if not currently in the career Senior Executive Service.

The Director, DBR plans and administers programs of basic research on the causes and diagnosis of alcohol abuse and alcoholism. Such programs include, but are not limited to, research in neuroscience, genetics, molecular biology, and toxicology (including liver disease and fetal alcohol syndrome). The Director also is responsible for the formulation of budget requests, reviews and approves justifications for each of the branches and programs within the Division, and assists the Institute Director in the presentation of budget and program information. The Director is responsible for the implementation of Institute policies within the Division and nationwide as they affect the extramural programs related to the Division, and establishes priorities and determines the programs of major efforts that should be initiated, dropped, or curtailed.

Applicants must possess a strong background and accomplishments in providing leadership in a research environment related to the disciplines of alcoholism and alcohol abuse and demonstrated ability to direct a successful, diverse research organization (including scientific and support staff).

Applicants should submit a resume and bibliography. The vacancy announcement with additional information and requirements can be obtained by calling (301) 443-4031. Application material must be sent to the following address and postmarked no later than September 15, 1997.

National Institutes of Health National Institute on Alcohol Abuse and Alcoholism Personnel Management Branch Attn.: Frank A. Shevock, Jr. Willco Building, Room 406 6000 Executive Boulevard, MSC 7003 Bethesda, MD 20892-7003 NIAAA is an Equal Opportunity Employer.



FUNDING AVAILABLE

CaP CURE, the Association for the Cure of Cancer of the Prostate, is soliciting proposals for its 1997/1998 funding year. The organization's goal is to find a cure for advanced prostate cancer.

Applications are competitive and accepted from individuals with or without institutional affiliation. Awards range from \$50,000-\$200,000 for the year. Applications (3–5 pages) can be for basic research, clinical investigations or a combination and must be relevant to the treatment of advanced prostate cancer. We encourage interdisciplinary collaborations between basic scientists and clinicians. (For-profit companies are not eligible.) Applications will be accepted August 15, 1997 through September 30, 1997. Awards will be announced by December 1, 1997.

For consideration, please first request application guidelines:

CaP CURE 1250 Fourth Street, Suite 360 Santa Monica, CA 90401 Phone: (310) 458-2873 Fax: (310) 458-8074 (800) 757-2873 E-mail: capcure@mcimail.com

POSTDOCTORAL FELLOWSHIPS

DNAX Research Institute, located near Stanford University, conducts research in a variety of areas of molecular and cellular biology with an emphasis on immunology, hemopoiesis and oncology. We currently have postdoctoral openings in the following laboratories.

A position is currently available in the laboratory of Dr. Ronald Herbst to study the function and regulation of protein tyrosine phosphatases and protein tyrosine kinases.

Dr. Emma Lees has an opening for a postdoctoral fellow to work on mammalian cell cycle regulation.

We are also seeking postdoctoral candidates with an interest in characterization of T cell subsets including NK1.1⁺T cells, chemokine biology, or autoimmune diseases under the supervision of Dr. Albert Zlotnik.

Qualified applicants should send a *c.v.*, statement of research interests, and the names of three references to the Human Resources Department, DNAX Research Institute, 901 California Avenue, Palo Alto, CA 94304. DNAX is an equal opportunity employer, m/f/h/v.

DNAX Research Institute

POSITIONS OPEN

POSTDOCTORAL POSITIONS IN MOLECULAR AND CELL BIOLOGY OF CANCER CORNELL UNIVERSITY

Postdoctoral positions on an NIH training grant are available to study aspects of viral oncogenesis (walleye dermal sarcoma virus; woodchuck hepatitis virus), pp60^{e-src} in mitogenesis and oncogenesis, receptor/G protein coupled signaling, control of cell cycle and differentiation, retinoids in gene transcription, FAK and Pyk2 in integrin-mediated signaling, cell-cell adhesion and associated signaling cascades in cancer metastasis, and naturally occurring anti-cancerous compounds (e.g., indolic akaloids). A strong background in molecular biology, protein chemistry, and cell biology is highly desirable. Please send curriculum vitae and names and addresses of three referees to: Dr. Bendicht U. Pauli, Department of Pathology, Cornell University College of Veterinary Medicine, Ithaca, NY 14853.

Cornell University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOW, M.D. OR PH.D. WASHINGTON UNIVERSITY SCHOOL OF MEDICINE, RENAL DIVISION

Washington University seeks a Research Scientist with a background in cellular/molecular biology and a broad interest in developmental biology. Candidates must qualify for NIH postdoctoral support. The postdoctoral fellow will participate in Renal Developmental Center and will pursue studies designed to characterize kidney development using cellular/molecular/organ culture/transgenic models.

Send curriculum vitae to: Marc R. Hammerman, M.D., Washington University School of Medicine, Renal Division, 660 South Euclid Avenue, Box 8126, St. Louis, MO 63110. Washington University is an Equal Opportunity Employer/Affirmative Action Employer, Minorities/ Females/Disabled/Veterans.

POSTDOCTORAL POSITION

Emory University Postdoctoral Position available immediately to study the mechanisms and significance of cell cycle checkpoint control responding to DNA damage in the yeast Sacduaromyces cerevisiae.

Strong background in molecular genetics and/or protein biochemistry required. Experience with yeast desirable. Send curriculum vitae and addresses of three references to: Dr. Wolfram Siede, Winship Cancer Center, Emory University School of Medicine, 1365 B Clifton Road NE, Atlanta, GA 30322. E-mail: wsiede@emory.edu.

Emory University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION

A postdoctoral position is available to join a research program on the molecular mechanisms of drug-induced transcriptional regulation of selected genes in myeloid leukemia cells. Strong background in molecular biology and analysis of transcription required; some training in purification of DNA-binding proteins, protein biochemistry and cell culture desirable. Please send curriculum vitae and names of three references prior to August 22, 1997, to: Dr. Paul Tempst, Molecular Biology Program, Memorial Sloan-Kettering Cancer Center, 1275 York Avenue, New York, NY 10021. Memorial Sloan-Kettering Cancer Center is an Equal Opportunity Employer.

POSTDOCTORAL POSITION

Immediate opening. Studies will involve the activation mechanism and physiological role of cardiac swelling-induced chloride current. Prefer individual experienced in patch clamp recording. Knowledge of signal transduction mechanisms a plus. Send curriculum vitae and references to: Dr. Steve Sorota, Department of Pharmacology, Columbia University, 630 West 168th Street, New York, NY 10032. E-mail: ss47@columbia.edu. Columbia University is an Equal Opportunity/Affirmative Action Employer.

A POSTDOCTORAL or RESEARCH SPECIAL-IST position is available immediately to study the role of cytokines in tumor biology. Experience in molecular/cell biology is essential. Send curriculum vitae and three ref erences to: Dr. C. Wang, Center for Molecular Biology of Oral Diseases, University of Illinois at Chicago, 801 South Paulina Street, Chicago, IL 60612.

POSITIONS OPEN

POSTDOCTORAL POSITION available 1 September 1997 to study how small-scale soil heterogeneity such as soil aggregates, the rhizosphere, and particulate organic matter influences nitrogen turnover in soil. A Ph.D. in soil science, microbiology, or a closely related discipline is required. Applicant should have demonstrated research ability in soil microbiology or nutrient cycling, and excellent analytical skills; experience with stable isotopes desirable. A complete position description is available at website: http://www.css. orst.edu/news/announce/facjob3.htm or upon request. To apply, submit curriculum vitae, copies of university transcripts, and names of three references to: Dr. David D. Myrold, Department of Crop and Soil Science, Oregon State University, Agriculture Life Science Building 3017, Corvallis, OR 97331-7306. Telephone: 541-737-5737; FAX: 541-737-5725; e-mail: myroldd@css.orst.edu.

EUNICE KENNEDY SHRIVER CENTER FOR MENTAL RETARDATION, INC.

POSTDOCTORAL POSITION for recent graduate available immediately. The candidate will participate in studies on the developing mammalian nervous system with focus on retinoic acid-related processes. Experience in molecular biology, biochemistry, and/or cell biology is preferred. Please send letter stating interests, curriculum vitae, and names of three references to: Diane Giampa, Director of Personnel, Eunice Kennedy Shriver Center for Mental Retardation, Inc., 200 Trapelo Road, Waltham, MA 02254.

The Shriver Center is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL RESEARCH POSITION UNIVERSITY OF ILLINOIS BIOMEDICAL MAGNETIC RESONANCE LABORATORY

Postdoctoral position available in synthetic organic chemistry. Experience in dendrimer and/or macrocyclic chelate synthesis preferred. Operational experience of NMR spectrometers and HPLC required. Project develops biomedical applications of dendrimers. U.S. citizenship or permanent residency required. Contact: Dr. Erik Wiener, University of Illinois, Biomedical Magnetic Resonance Laboratory, 1307 West Park Street, Urbana, IL 61801. The University of Illinois is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION available for structure-function studies of Na+/dicarboxylate cotransporters (J. Biol. Chem., 270:5779, 1995; Am. J. Physiol., 270: F642, 1996). Ph.D., M.D. or equivalent required. Experience in electrophysiology preferred, training in molecular biology, protein biochemistry, or transport physiology desirable. Send curriculum vitae to: Dr. Ana M. Pajor, Department of Physiology, College of Medicine, University of Arizona, Tucson, AZ 85724-5051. FAX: 520-626-2383, e-mail: pajor@biosci.arizona.edu. Applications will be reviewed starting Aug. 1, 1997 until position is filled. The University of Arizona is an Equal Opportunity/Affirmative Action Employer, Minorities/Females/Disabled/ Veterans.

POSTDOCTORAL RESEARCH ASSOCIATE

Positions are available on an ongoing basis to conduct research within different research groups in the Institute of Molecular Biology at the University of Oregon. The purpose of this notice is to establish and maintain a pool of qualified applicants. Ph.D. in molecular biology or a related field is required. Women and minorities are urged to apply. Salary dependent upon experience. For application materials, please call: **541-346-5151**, or **e-mail: rita@prospero.uoregon.edu**. An Equal Opportunity, Affirmative Action institution committed to cultural diversity and compliance with the Americans with Disabilities Act.

POSTDOCTORAL FELLOWSHIPS IN GENE THERAPY

Positions in newly created Center for Gene Therapy, in which a major focus is use of marrow stromal cells for cell and gene therapy (see *Science*, 276:71, 1997). Ph.D. in relevant field from a well-known university program and experience in molecular biology required. Salary competitive. Send curriculum vitae and references to: Dr. Darwin J. Prockop, Center for Gene Therapy, Allegheny University of the Health Sciences, 15th and Vine Streets, Philadelphia, PA 19102. FAX: 215-762-7408. An Equal Opportunity Employer.

POSITIONS OPEN

POSTDOCTORAL POSITIONS, PROTEIN/DNA INTERACTIONS AND CANCER GENETICS

Positions available to study (i) thermophilic DNArecognition proteins using biochemical, genetic, and structural approaches, and their use in (ii) detection of mutations associated with tumor development to explore oncogene and tumor suppressor gene pathways. Applicants should have a Ph.D., preferably with experience in protein-DNA interactions, structural biology, nucleic acid chemistry, DNA and PCR technology, and cancer or human genetics. Competitive salary commensurate with experience. Send curriculum vitae and names of three references to:

Professor Francis Barany Program of Biochemistry and Structural Biology Department of Microbiology, Box 62 Cornell University Medical Center 1300 York Avenue New York, NY 10021 FAX: 212-746-8587 Equal Opportunity Employer

POSTDOCTORAL POSITIONS MOLECULAR CARCINOGENESIS

POSTDOCTORAL FELLOW to study interactions of transcription factors with carcinogen-modified DNA and acute effects of carcinogens on gene expression. Applicants should have recent Ph.D. with experience in molecular biology. **RESEARCH ASSOCIATE** to study impact of chromatin structure on carcinogen-DNA interactions. Three years postdoctoral experience in chromatin studies and molecular biology required. Send curriculum vitae and two references to: Dr. M. C. MacLeod, Department of Carcinogenesis, University of Texas M.D. Anderson Cancer Center, Box 389, Smithville, TX 78957.

We are an Equal Opportunity/Affirmative Action Employer.

ACQUISITIONS

Publicly traded company in molecular genetics, monitoring, and DNA and sensor-based environmental analysis interested in acquiring product lines or operating companies with complementing or related business for cash or stock. Contact: Jay, telephone: 718-492-7400.



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Scale	Price/base	Set-up
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Custom Peptide and Antibody Services

Custom Peptides

With a larger manufacturing capacity than ever, Research Genetics can make custom peptides for \$18/residue and will deliver 15-40 mg in 5 days.

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Custom Polyclonal Antibodies

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Peptides on Paper

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