as diethylpyrocarbonate. It comes ready-to-use to eliminate RNase from all surfaces, including the interior of microcentrifuge tubes, electrophoresis tanks, pH electrodes, and pipettors. CPG. Circle 143.

Fluorescence Measurement
The SLM-Aminco 48000 DSCF features digital signal acquisition and processing for lifetime fluorescence measurements in the microsecond and picosecond ranges. With its modulation frequency capability of 310 MHz, lifetimes in the tens of picoseconds can be measured accurately. This resolution also aids in resolving multicomponent lifetimes with greater accuracy. The software allows for full instrument control, data acquisition, and nonlinear least-squares fitting of the data to single-component or multicomponent models. Spectronic Instruments. Circle 144.

Peptide Synthesis System
The Pioneer Peptide Synthesis System is designed for a variety of synthesis processes. The system is capable of dual, independent, and simultaneous column synthesis and can be upgraded with a multiple peptide option for the simultaneous synthesis of up to 32 peptides. Other key features include the capability of incorporating up to three different chemistries into a single synthesis, continuous flow synthesis, low reagent consumption, and fast cycle times. PerSeptive Biosystems. Circle 145.

Literature
New Star for the Life Sciences is a brochure on a dual-cell, dual-source Fourier transform mass spectrometer. Finnigan FT/MS. Circle 146.

The Antigen Retrieval Reference Chart lists close to 300 commercially available antibodies along with the recommended pretreatment of formalin-fixed tissues for use of these antibodies in immunohistochemical staining. BioGenex. Circle 147.

Microfiltration and Laboratory Poretics Products Catalog is a 171-page publication that features polycarbonate and polyester screen membrane filters; membrane filters of pure silver, silica-free polyvinyl chloride, nylon, mixed cellulose esters, polytetrafluoroethylene, nitrocellulose, and polypropylene; ceramic and glass fiber filters; filter holders and apparatus; pleated filter cartridges and housings; laboratory scale water purification systems and equipment; and Teflon fluid handling apparatus. Osmonics. Circle 148.

Spectrophotometer Cells lists more than 300 different types of cells. Most cells are available in a choice of optical glass, ultraviolet quartz, or infrared quartz. NSG Precision Cells. Circle 149.

1996 Dako Catalog features a wide variety of monoclonal and polyclonal antibodies targeted against apoptotic markers, cell cycle proteins, multidrug resistance markers, and cell adhesion molecules, as well as a comprehensive listing of conjugated and unconjugated secondary antibodies. Dako Corp. Circle 150.
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Carcinoma Cell Enrichment

Enabling Detection and Analysis of Tumor Cells from Peripheral Blood

Milenyi Biotec introduces the best way to enrich disseminated carcinoma cells from human peripheral blood or bone marrow. With the MACS magnetic enrichment system you can detect, quantify and analyze tumor cells 10-100 times more sensitive than with current methods.

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Using MACS colloidal MicroBeads, 10,000 fold enrichment of carcinoma cells can be achieved. Instead of screening dozens of slides, you analyze a few thousand cells from the magnetically enriched fraction.

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The MACS process preserves the cell morphology, so tumor cells can easily be identified and enumerated by microscopy. MACS Antibody MicroBeads are so small that they don’t affect cell detection and analysis by flow cytometry, immunocytochemistry or PCR.

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Milenyi Biotec
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DIRECTOR, AFRICA AND MADAGASCAR BIODIVERSITY SUPPORT PROGRAM

The Biodiversity Support Program (BSP), a consortium of World Wildlife Fund, The Nature Conservancy, and the World Resources Institute and funded by the U.S. Agency for International Development (USAID), seeks a DIRECTOR to plan, direct, and oversee all activities of the BSP Africa and Madagascar Program.

The DIRECTOR will be responsible for logical and long-term planning; project development, implementation, administration, and evaluation; fund raising, budget allocation; and hiring and supervision of staff. Requires a Ph.D. in biological sciences, natural resources management, social sciences, or related field; Master's degree with equivalent work experience may substitute. Ten years of experience in biological sciences, natural resource management, international development, or related field required. Demonstrated success in developing, directing, and managing complex projects; managing research; and analyzing project results with extensive knowledge and experience in Africa. Two years of experience in a developing country required. Diplomatic and cultural skills; ability to work with a broad range of staff and international donors essential. Strong leadership, management, and supervisory skills and excellent oral and written communication skills in both English and French required. Experience with USAID preferred.

Competitive salary and benefits appropriate to the U.S. non-profit sector will be provided. Applicants should forward CV and cover letter and resume to: World Wildlife Fund, Human Resources, Department 5455F, 1250 24th Street NW, Washington, DC 20037. No fax or telephone inquiries, please. For an application, a request for a résumé and cover letter: September 16, 1996. Affirmative Action/Equal Opportunity Employer.

STANFORD UNIVERSITY

The Department of Pathology seeks an outstanding scientist for tenure-track position as ASSISTANT or ASOCIATE PROFESSOR. The successful candidate is expected to develop a high quality, independent research program in an area of molecular and cellular mechanisms of disease. Of particular interest are candidates focusing on basic research in cancer related to biological or chemical processes. Applicants with Ph.D., M.D., or combined degrees will be considered. There are also possibilities for qualified applicants to participate in clinical activities. Applicants should submit a curriculum vitae, a brief description of research accomplishments, and a concise statement of plans for future research. These, along with the names of three references, should be sent to: Klaus Bensch, M.D., Professor and Chairman, Department of Pathology, Stanford University School of Medicine, Stanford, CA 94305. Stanford University is committed to the inclusions and employment of women and minorities in its faculty and particularly encourages applications from such candidates.

ASSISTANT PRODUCTION MANAGER

Integrated DNA Technologies, Inc. is seeking a qualified chemist for the position of ASSISTANT PRODUCTION MANAGER in its Specialty Synthesis Department. Responsibilities include research in chemistry, biochemistry, or related field that is required with two or more years of experience in the area of oligonucleotide synthesis.

Integrated DNA Technologies, Inc. (IDT) offers a competitive compensation and benefit package and relocation assistance. IDT is located in a friendly community in close proximity to a major university and medical school complex. Please send a resume and description of research/synthesis experience to:

Personnel Department AMSP
Integrated DNA Technologies, Inc.
1710 Compass Court, IA 52241

California Institute of Technology invites applications for a tenure-track position as ASSISTANT PROFESSOR of Biochemistry, with emphasis on, but not restricted to, the biochemistry, structure, and dynamics of macromolecular assemblies. The initial appointment will be for four years. Outstanding individuals with a Ph.D. and a strong commitment to teaching excellence and teaching excellence are encouraged to apply. Submit by November 15, 1996, curriculum vitae, publication list, a description of proposed research, and three letters of recommendation to Professor J. H. Richards, Biochemistry Search Committee, 147-75 CH, California Institute of Technology, Pasadena, CA 91125. The California Institute of Technology is an Affirmative Action/Equal Opportunity Employer. Women, minorities, veterans, and disabled persons are encouraged to apply.

DIRECTOR OF SPECIALTY SYNTHESIS

Integrated DNA Technologies, Inc. is seeking a qualified chemist for the position of DIRECTOR of its Specialty Synthesis Department. A Ph.D. in chemistry, biochemistry, or related field is required, with two or more years of experience in the field.

Integrated DNA Technologies, Inc. (IDT) offers a competitive compensation and benefit package and relocation assistance. IDT is located in an attractive community in close proximity to a major university and medical school complex. Please send a resume and description of research/synthesis experience to:

Personnel Department DSP
Integrated DNA Technologies, Inc.
1710 Commercial Park, Coralville, IA 52241

Integrated DNA Technologies, Inc. is an Equal Opportunity Employer.

FACULTY POSITION

MOLECULAR MICROBIOLOGY

Baylor College of Medicine

The Department of Microbiology and Immunology, Baylor College of Medicine, invites applications for a tenure-track faculty position at the level of ASSISTANT PROFESSOR. Candidates should have a Ph.D. or M.D. degree in microbiology or a related discipline, postdoctoral experience, and relevant publication record. Expertise in microbial pathology or microbial physiology are preferred; other recent research interests will also be considered. The successful candidate will be expected to develop an independent research program based on extramural support and to participate in graduate and medical education. Please send curriculum vitae; summary of research interests; and the names, addresses, telephone numbers, and Email addresses of three referees to: Allen R. Cribb, Ph.D., Department of Microbiology and Immunology, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030. The application deadline is November 15, 1996, although candidates will be considered as received.

Baylor College of Medicine is an Equal Opportunity/Affirmative Action/Equal Access Employer.

TREE FRUIT ENTOMOLOGIST

Tenure-track ASSISTANT/ASSOCIATE PROFESSOR to develop extension/applied research program on insect and mite pest management in tree fruit (including apples, cherries, peaches, plums, apricots, nectarines, pears, and nuts). Requires Ph.D. in entomology or related field with interest and expertise in working with Michigan State University Extension staff and clientele to develop tree fruit insect and mite pest management programs. Closing date: October 1, 1996 or until a suitable candidate is identified. Send curriculum vitae, transcripts, reprints, and statement of career goals and arrangement of referees to: Edward J. Grafius, Search Committee Chairperson, Department of Entomology, Michigan State University, East Lansing, MI 48824-1115. Telephone: 517-353-8695; Email: grafius@msue.msu.edu.

ASSISTANT PROFESSOR

DEPARTMENT OF NEUROSURGERY

TENURE-TRACK POSITION (entry level) available for Ph.D. with experience and expertise in conducting laboratory research in molecular and cellular biology of tumors, with specific emphasis in one or more of the following areas: gene therapy, growth factors/signal transduction, oncogenes and tumor suppressor genes, molecular strategies for solid tumor therapy. Experience is encouraged but not required; however, the successful applicant will be expected to focus on brain tumors and to collaborate with departmental faculty in pursuing clinically significant research strategies. Salary and benefits are highly competitive. Send curriculum vitae, summary of research interests, and references to: Ian McCutcheon, M.D., Deputy Chairman, Department of Neurosurgery, Box 64, University of Texas M. D. Anderson Cancer Center, 1515 Holcombe Boulevard, Houston, TX 77030. Equal Opportunity/Affirmative Action Employer. Smoke-free environment.

MANAGING EDITOR

The Journal of Clinical Investigation, a highly respected, peer-reviewed biomedical journal, is seeking a managing editor. A Ph.D. or M.D. degree and three to five years editorial/supervisory experience necessary. Salary commensurate with qualifications. Inquiries: Stephen Weiss, M.D., Editor-in-Chief, 5220 MSRB III, Box 0640, 1150 West Medical Drive, Austin, TX 78713. Please send CV and reference letters to: Stephen Weiss, M.D., Editor-in-Chief, 5220 MSRB III, Box 0640, 1150 West Medical Drive, Austin, TX 78713. Fax: 512-746-4010. Equal Opportunity/Affirmative Action Employer.
**CDR Therapeutics**

Seattle, Washington

CDR Therapeutics is a new biotechnology company that is devoted to developing small molecular analogs of proteins for therapeutic applications in immunology and oncology. The company is seeking highly motivated scientists with an outstanding record of scientific innovation for the following positions:

Ph.D., Immunology or related field with 5+ years of experience in research and development of immunosuppressive drugs.

Ph.D., Chemistry or related field with 5+ years of experience in the synthesis, purification, and characterization of peptides.

Ph.D., Biology or related field with 3+ years of experience in the *in vitro* and *in vivo* study of cancer therapeutics.

Interested applicants are requested to send a C.V. to:

**Human Resources**

CDR Therapeutics

P.O. Box 19497

Seattle, WA 98109

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**Physician-in-Chief, CHOP**

Chair, Department of Pediatrics, Penn

The Children's Hospital of Philadelphia and the University of Pennsylvania School of Medicine seek outstanding candidates for the position of Physician-in-Chief and Chair of the Department of Pediatrics.

The successful applicant will be of international stature in his/her area of the field and will provide academic leadership in the broad area of pediatrics. Applicants who have demonstrated qualifications in the creation, implementation, and administration of programs in patient care, research, and education will have priority.

*The Children's Hospital of Philadelphia and the University of Pennsylvania are Equal Opportunity/Affirmative Action employers. Women, minority, and international candidates are encouraged to apply. Letters of interest, CVs, and names of references should be sent to:*

Kenneth E. Fellows, M.D., Chair, Committee to Search for the Physician-in-Chief at the Children's Hospital of Philadelphia and Chair of Pediatrics of the University of Pennsylvania School of Medicine

Address:

The Children's Hospital of Philadelphia

34th & Civic Center Boulevard

Philadelphia, PA 19104

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**Pharmaceutical Opportunities**

SmithKline Beecham, the world-renowned innovator in consumer healthcare and pharmaceutical R&D, continues to experience outstanding success. As a result, we seek to add the following creative thinkers to our industry-leading scientific team:

**Principal Consulting Statistician, Genetics**

Working in the highly specialized area of Genetic Statistics, and reporting to the Biometrics Department, the Principal Consulting Statistician will contribute to the design of pharmacogenetic studies, identifying statistical models during Phases I and II. You will also assist during Phase III, developing trials and statistical models regarding genotype relevance in response to disease. Additional duties will include: determining genotype-phenotype correlations; performing statistical evaluation of shared genetic data and population-based research; planning genetic analysis within outcomes research; and building on both internal and industry-wide statistical genetic expertise. The selected professional will possess 3+ years of active genetic research experience and a PhD in Statistics, Quantitative Genetics or a related scientific discipline. Refer to Job Code A6-S001.

**Scientist, Molecular Virology & Host Defense**

The selected professional will perform western blotting and kinase assays in support of stem cell biology research. Activities will include creating tissue cultures of primary cells and cell lines, refining assays for hematopoietic specificity, and evaluating new antibodies and targets. Qualified applicants will possess a BS in Biology (or related field), at least 1-5 years of relevant experience, and strong organization and data analysis skills. Experience in hematopoiesis is preferred, particularly in the areas of oncogenic assays, protein kinase or cell-cycle related work. Refer to Job Code H6-CEM.

**Postdoctoral Position, Cardiovascular Pharmacology**

An extremely proficient candidate is needed to study molecular mechanisms of extracellular matrix processing in cardiovascular disease. Qualified individuals will demonstrate significant experience with molecular biology/pathology techniques, as well as tissue *in situ* hybridization expertise. Refer to Job Code H6-CVBW.

Located in our state-of-the-art research facility in suburban Philadelphia, SmithKline Beecham offers a competitive compensation/benefits/relocation package and stimulating working environment. For confidential consideration, please forward resume and salary requirements, indicating desired Job Code, to: SmithKline Beecham Pharmaceuticals, Job Code ____, P.O. Box 2646, Bala Cynwyd, PA 19004. We are an Equal Opportunity Employer, M/F/D/V.

SmithKline Beecham
Pharmaceuticals
The Division of Cardiovascular Diseases of the Mayo Clinic and Foundation invites applications for an established investigator position at the rank of Associate or full Professor. Applicants should have an M.D. or Ph.D. degree and an established record of accomplishment in basic cardiovascular research such as in molecular or cellular biology which focuses upon endothelial, vascular smooth muscle or cardiac myocyte biology. Excellent institutional resources and long-term support are available. Written applications including CV, three letters of recommendation and a description of research interests should be sent to: John C. Burnett, Jr., M.D., Cardiovascular Chair for Research, Director, NIH Cardiovascular Research Training Program, Mayo Clinic, 200 First Street, SW, Rochester, MN 55905. Applications will be considered until September 1, 1996. Mayo Foundation is an affirmative action and equal opportunity educator and employer.
**MOLECULAR BIOLOGISTS**

Merck Research Laboratories, a worldwide leader in biological and pharmaceutical research, has immediate job opportunities for highly gifted and experienced Molecular Biologists for basic research and preclinical development of biologics in the following capacities:

**Position Code #B-63**

This position involves molecular biology research emphasizing plasmid design and E. coli host modification for increasing plasmid replication. Strong background in bacterial genetics, genome manipulation, and DNA replication is required. Specific skills include a thorough understanding of bacterial plasmids and expression systems, and ability to readily manipulate and analyze plasmids, host systems, and bacterial phenotypes. Additional experience with mammalian gene regulation and fermentation would be an advantage. A B.S. or M.S. in Molecular Biology, related field or equivalent with specific background in bacterial genetics and 2-3 years of relevant research experience are required.

**Position Code #B-64**

This position involves molecular biology research emphasizing plasmid-driven expression of heterologous genes in mammalian tissues to support vaccine development programs. A strong background in mammalian and viral gene expression fundamentals and plasmid construction is required. Specific skills include a thorough understanding of plasmids and expression systems, ability to readily manipulate and analyze plasmids, cell culture and transfection, Western/ Northern blot analyses, PCR amplification, and DNA sequencing. Additional experience in virology and/or immunology would be an advantage. A B.S. or M.S. in Molecular Biology/ Biochemistry or equivalent with specific background in mammalian gene expression and 2-3 years of relevant research experience are required.

Excellence 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 to Manager, Human Resources. (indicate Position Code #). MRL Human Resources WP42-2, Merck Research Laboratories, P.O. Box 4, West Point, PA 19486. Only candidates to be interviewed will be contacted. EEOAAV/Employer.

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**OUR EXPANDING UNIVERSE**

In May 1996, we received a license to market Avonex™. This accomplishment improves our record of success and is based on the hard work and dedication of our employees. We are now seeking committed professionals with strong values to join the Biogen team in the following positions:

**Q.C. Microbiology Manager**

You will be responsible for designing, implementing, and maintaining Microbiology systems, procedures, and testing activities. This includes managing Microbiology analysts and technicians and assuring that lab operations and reporting conform to Biogen regulatory requirements. Provide technical support to auditing and supplier quality management. Requires a BS in Microbiology or a related discipline; graduate experience preferred. You should have a minimum of 6 years of pharmaceutical experience and 3 years of supervisory experience with progressive technical experience. You should also have knowledge of QC systems and release testing of pharmaceutical products, including aseptic fill operations, as well as knowledge of production water systems and environmental monitoring systems. GMP and GLP knowledge required. (Code JM)

**Scientist — Gene Expression**

Unique opportunity to independently work on the creation of novel expression vectors and other methods for cell line improvements. In this role, you will be responsible for the construction of cell lines destined for GM manufacturing; collaborate with scientists in process development working on media and cell line screening development and with research scientists involved with expression of early product candidates; and carry out genetic evaluation of GM cell lines as required by regulatory agencies. A Ph.D. in molecular or cellular biology with at least 2 years of postdoctoral experience, the ability to design and conduct independent studies involving the optimization of protein production in mammalian cells and industrial experience in construction of commercial cell lines is required. (Code DP)

**Scientist — Virology/Cell Biology**

In this newly created role, you will direct the development, validation, and implementation of viral testing procedures, both internally and at contract laboratories. Initially, you will manage the contract testing, liaise with Regulatory agencies and other biotech companies on improving viral testing and prevention, and eventually build an internal group to conduct this testing. Also, you will assist with creating and optimizing assay specific cell lines for potency and pharmacokinetic assays. We seek a Ph.D. in Virology or Cell Biology with at least 5 years’ postdoctoral experience with viral assays, transfections, PCR and cell line optimization. Additionally, industry experience with knowledge of cGMPs and regulatory agencies preferred. The successful candidate will be able to work with minimal supervision, possess strong communication skills and be willing to travel when necessary. (Code DP)

**Scientist**

Opportunity to contribute towards the experimental design and direction of our small molecule programs. Specifically, you will develop and validate HPLC and Mass Spectrometry Bioanalytics methods as well as test samples from clinical, toxicology, pharmacokinetic, formulation and stability studies. In addition, you will set-up and monitor contracts with external testing laboratories. We seek a Ph.D. in analytical chemistry with a strong record in HPLC/Mass Spectrometry assay development and validation with at least 2 years’ experience in analyzing compounds in biological fluids. Also, you must have a GLP or GMP experience, meticulous record keeping skills and strong communication ability. (Code DP)

Biogen offers what few companies in our industry can —Professional Challenge, Stability, Growth, and one of the strongest financial profiles in the industry. In addition, our compensation and benefits package, including equity participation, is one of the best in the industry, and is designed to attract and retain the finest talent available. If you are one of the best, this is your opportunity to join our expanding universe. Please forward your resume, indicating appropriate job code to:

Biogen, Inc., 14 Cambridge Center, Cambridge, MA 02142. FAX: (617) 679-2546

Biogen is an equal opportunity employer.
http://www.careremosaic.com/cm/biogen
University of Illinois at Urbana-Champaign
Faculty Position (Open Rank)  
Department of Biochemistry

The Department of Biochemistry, within the School of Chemical Sciences at the University of Illinois at Urbana-Champaign, is seeking applicants for a faculty position which will carry a full-time, tenure-track appointment. The position is open to rank and will commence on August 21, 1997.

Outstanding candidates whose expertise is in the use of NMR spectroscopy to study the structures and properties of proteins, nucleic acids, and/or carbohydrates will receive full consideration. Examples of research areas of interest are structural and dynamic properties of membrane proteins, protein-protein interactions such as those involved in signal transduction, time-resolved dynamics of enzymes, and both protein-DNA and protein-carbohydrate interactions.

The School of Chemical Sciences, through partial support from the Keck Foundation, has created a Center for Complex Structures with multiple NMR instruments, including wide-bore magnets, operating at 750 MHz, 600 MHz, 500 MHz, and 400 MHz. The successful candidate must have demonstrated excellence in research as well as the ability to participate effectively in both the undergraduate and graduate teaching programs of the Department. The rank and starting salary is dependent upon the experience and qualifications of the candidate. A doctoral degree and postdoctoral experience in NMR spectroscopy is required.

To ensure full consideration, submit a letter of application, a curriculum vitae, with a list of publications and a brief description of future research plans, and arrange to have letters of recommendation from three qualified scientists sent to the Search Committee by October 15, 1996. Applications and requests for further information should be directed to:

The Biochemistry Search Committee  
Department of Biochemistry  
University of Illinois at Urbana-Champaign  
600 South Mathews Avenue  
Urbana, IL 61801  
Phone (217) 333-4889

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

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**GRANT OPPORTUNITY**

U.S. Civilian Research & Development Foundation

*for the Independent States of the Former Soviet Union*

announces a competitive grants program for

**COLLABORATIONS IN BIOMEDICAL AND BEHAVIORAL SCIENCES**

made possible by an award from the National Institutes of Health, U.S. Department of Health and Human Services

Teams of scientists from the U.S. and the former Soviet Union may apply for cooperative grants of up to $80,000 for support of biomedical and behavioral science research and development projects.

*Application deadline: February 15, 1997*

For eligibility guidelines and application materials, please contact:

**Biomedical & Behavioral Sciences Program**

U.S. Civilian Research & Development Foundation

1800 North Kent Street, Suite 1106

Arlington, VA 22209 USA

Tel: 703-526-9720  •  Fax: 703-526-9721

E-mail: information@crdf.org

WWW: http://www.crdf.inter.net

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**NORTHEASTERN UNIVERSITY**

**DEAN OF THE MEDICAL SCHOOL**

Northwestern University invites nominations and applications for the position of Dean of the Medical School. The Northwestern University Medical School is located on the University's Chicago Campus and has a current enrollment of approximately 700 medical students, 200 doctoral-level graduate students, and 875 M.D.s engaged in 27 graduate training programs in the five affiliated hospitals. The School and its hospitals have a combined total of 1000 full-time and 1500 contributed service faculty and combined sponsored project budgets of $30 million. The Northwestern Medical Faculty Foundation (the faculty multi-specialty group practice) includes 450 physicians and has revenues of more than $150 million annually. The Dean is the Chief Executive Officer of the Medical School and also serves as: chair of the Board of Directors of the Faculty Foundation; a member of the Boards of Directors of four affiliated teaching hospitals; and President of the McGaw Medical Center of Northwestern University (an organization of the affiliated hospitals whose primary activity is the sponsorship of the Graduate Medical Education Program). Candidates must hold an M.D. or equivalent degree and demonstrate successful managerial experience in a medical school environment. The successful candidate will likely be a distinguished physician scientist.

Nominations and applications should be forwarded to:

Co-chairs of the Dean Search Committee

c/o Lewis Landsberg, M.D.

Department of Medicine

250 E. Superior

Wesley Pavilion 296

Chicago, Illinois 60611

For full consideration, nominations and applications should be received no later than Friday, September 13, 1996.

Northwestern University is an equal opportunity, affirmative action educator and employer.

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**SYMPOSIUM**

**SUSCEPTIBILITY AND RISK ASSESSMENT**

The Third Annual Symposium of the National Health & Environmental Effects Research Laboratory

The National Health & Environmental Effects Research Laboratory (NHEERL) of the U.S. Environmental Protection Agency is pleased to announce that its Third Annual Symposium will be held September 24-27, 1996 at the Omni Durham Hotel and Durham Civic Center in Durham, North Carolina. This third in the Annual NHEERL Symposium Series on Research Advances in Health Risk Assessment will focus on known factors affecting the susceptibility of humans, experimental animal models, or cell tests systems to environmental toxicants with the goal of refining risk assessment strategies which must consider variable population response. Protection of the "susceptible individual" is a fundamental goal of environmental regulation. Indeed, it is generally accepted that if the susceptible individual is protected then the entire population will be protected. The format of the NHEERL Symposium will include invited platform presentations and contributed poster presentations. For more information, please contact:

1996 NHEERL Symposium

Susceptibility and Risk Assessment

c/o NHEERL Conference Coordinator

U.S. EPA

NHEERL, MD-70

Research Triangle Park, NC 27711

Phone: (919) 541-5193

Fax: (919) 541-4002

Internet: MEETINGSMAIL@HERL45.HERLEPA.GOV
Heska Corporation

Exciting science, innovative technology, and dramatic potential are characteristics of the Heska Corporation. Our research teams have created unique products in companion animal health and we continue to apply new technologies to create new product opportunities.

We are seeking select individuals to help make Heska the dominant biotechnology company in companion animal care. Open positions include the following:

**Project Coordinator, Molecular Vaccines**

To develop live viral vector vaccines and genetic immunization technologies for companion animals. Will lead an established group of researchers and will be expected to recruit several more individuals. The successful candidate will have a Ph.D. in virology, molecular biology, or a related field with a minimum of five years post-doctoral research, a substantial publication record, and managerial experience. Essential skills include molecular genetics of eukaryotic expression systems, basic immunology, and demonstrated leadership and collaborative abilities.

**Scientist, Genetic Immunization**

To design and carry out experiments leading to nucleic acid-based vaccines for companion animals. The successful candidate will have a Ph.D. with significant post-doctoral research and managerial experience, familiarity with nucleic acid vaccination technology, and strong molecular biology skills, including experience with eukaryotic protein expression systems.

**Scientist, Viral Vectors**

To focus on the use of poxviruses as live recombinant vaccine vectors. The successful candidate will have a Ph.D. in virology or a related field with extensive post-doctoral research and managerial experience, demonstrated skill in the construction and characterization of recombinant viruses, and experience with eukaryotic expression systems.

**Project Coordinator, Biochemistry Core**

To lead and coordinate the expression and purification of recombinant proteins and to direct Heska's sequencing facility. This individual will lead an established group of researchers and will be expected to recruit several more scientists. The successful candidate will have a Ph.D. in biochemistry or a related field with a minimum of five years post-doctoral research, a substantial publication record, and managerial experience. Essential skills include experience with recombinant protein purification; eukaryotic and prokaryotic protein expression systems; and DNA, protein, and peptide sequencing.

**Scientist, Recombinant Protein Expression**

To develop novel strategies to optimize expression of recombinant proteins. The successful candidate will have a Ph.D. in molecular genetics or related field with significant post-doctoral research and managerial experience. Familiarity with multiple expression systems, including E. coli and baculovirus, strong molecular biology skills, and the ability to work rapidly in a high pressure environment are required.

Heska is located at the foot of the Rocky Mountains, in Fort Collins, Colorado, sixty miles north of Denver. We offer a highly competitive salary and benefits package, including stock options. To apply, please send resume, publication list, and three references to Diane McCoy, Director of Human Resources, Heska Corporation, 1825 Sharp Point Dr., Ft. Collins, CO 80525. Please include job title in all correspondence.
ASSOCIATE/ASSISTANT PROFESSOR
BIOLOGY

Transylvania University invites applications for a TENURE-TRACK position in Animal Physiology, preferably mammalian, to teach undergraduate courses, direct student research, and develop curriculum. Ph.D. required; teaching experience preferred. Applicants should send a letter stating their interest and a detailed description of research plans no later than October 1, 1996, to: Prof. James A. Marshall, Chairman of Organic Faculty Search Committee, Department of Chemistry, McMicken College of Arts and Sciences, 506 N. John Street, Cincinnati, OH 45202. Applicants should also arrange to have three letters of recommendation sent to the above address by the same date. The University of Virginia is an Equal Opportunity/Affirmative Action Employer.

PROGRAM ADMINISTRATOR

To provide staff support to committees and project administration for scientific societies in Philadelphia, Pennsylvania. Candidate must have a minimum of three years' experience in administration (preferably nonprofit association management) or biomedical research. Position requires excellent written and oral communication skills, versatility, accuracy, and computer literacy. Experience with medical societies is desirable. The University of Pennsylvania is an Equal Opportunity/Affirmative Action Employer.
The National Institutes of Health has introduced a new web site. Now, the latest news about clinical and research training opportunities at NIH can be accessed by visiting us at http://helix.nih.gov:8001/oe.

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

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

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

NIH Postdoctoral Position—AIDS Research
HIV Env/CD4 Interactions, Fusion Cofactors, Tropism

Experimental approaches include expression of recombinant proteins (emphasis on vaccinia virus vectors); biochemical, genetic, and immunochemical analyses of fusion reactions; development of novel functional cDNA library screening methods.

Position available immediately (August 1996); later starting dates considered. Experience in molecular biology, protein chemistry, immunology, membrane biochemistry, or virology strongly preferred. Send CV and names of three references to:

Edward A. Berger, Ph.D.
Chief, Molecular Structure Section
Laboratory of Viral Diseases, NIAID
Bldg. 4, Rm. 236
National Institutes of Health
Bethesda, MD 20892
Phone: (301) 402-2481, FAX: (301) 480-1147
e-mail: edward_berger@nih.gov

NIH is an Equal Opportunity Employer.
ASSISTANT PROFESSOR/BIOCHEMISTRY

The Department of Molecular and Cellular Biology (MCB) has an opening for an ASSISTANT PROFESSOR (entry-level) starting September 1997. Our department includes a broad range of fields in molecular biology, cellular biology, developmental biology, structural biology, neurobiology, and genetics. We are particularly interested in candidates working in areas of research at the interface between chemistry and biology. We encourage applications from women and minority groups.

ENDOWED CHAIR

Cardiovascular Research

Established cardiovascular scientists are invited to apply for the Frank W. Mayborn CHAIR in Heart Research at the Texas A&M University Health Science Center. The chair will have a nationally recognized, well-funded research program. Candidates in all areas of cardiovascular science for the purpose of basic and translational research. Investigators who apply the tools and concepts of molecular and cell biology to understanding cardiovascular behavior are encouraged to apply. In addition to continuing a high-quality, innovative research effort, the ideal candidate will have programmatic responsibility for developing a cardiovascular research unit on the clinical campus and will work with clinical investigators and basic scientists to establish a basic science/clinical cardiovascular research and training center. Interested individuals should send curriculum vitae, the names of three references, and a statement of current research interests to Harris J. Granger, Ph.D., Chairman, Mayborn CHAIR Search Committee, Department of Medical Physiology, Texas A&M University Health Science Center, College Station, TX 77843-1114.

POSTDOCTORAL POSITION

University of Virginia

A position is available immediately in X-ray crystallography of protein-nucleic acid complexes. Applicants must have prior experience with protein crystallization. Send curriculum vitae and two letters of reference to: Frank Hood, Rastin, University of Virginia, Box 448, Pharmacology, 1300 Jefferson Park Avenue, Charlottesville, VA 22908. Email: fraydodv@virginia.edu.

POSTDOCTORAL—Two postdoctoral positions available: 1) pharmacology of multidrug resistance; 2) biochemical studies of membrane transporters; experience with membrane techniques desirable. Please send complete curriculum vitae plus three letters of reference to: Dr. Kruh, c/o Human Resources, The Fox Chase Cancer Center, 7701Burholme Ave, Philadelphia, PA 19111. Equal Opportunity Employer.

IMMUNOLOGY FACULTY POSITIONS

The Department of Microbiology and Immunology invites applications for two tenure-track positions (AS- SISTANT PROFESSOR or ASSOCIATE PROFESSOR) with research interests in the area of regulatory T cells or in T cell biology. Applicants for these positions are expected to develop new knowledge and expertise in their area of expertise and will be responsible for teaching both undergraduate and graduate level courses in immunology courses. We are particularly interested in candidates with prior or current research experience in the area of regulatory T cells. The successful applicant will become a member of the University of Virginia's Immunology Program and salary and appointment will be commensurate with qualifications and experience. Send curriculum vitae, a statement of research plans and teaching experience, and three letters of recommendation to: Dr. Donald Segal, Department of Microbiology and Immunology, University of Virginia, P.O. Box 202029, Charlottesville, VA 22202. Email: dsegal@virginia.edu. The University of Virginia is an Equal Opportunity/Affirmative Action Employer. Women and members of minority groups are encouraged to apply to identify themselves.

HARVARD UNIVERSITY ASSISTANT PROFESSOR

Molecular and Cellular Biology (MCB)

The Department of Molecular and Cellular Biology (MCB) has an opening for an ASSISTANT PROFESSOR (entry-level) starting September 1997. Our department includes a broad range of fields in molecular biology, cellular biology, developmental biology, structural biology, neurobiology, and genetics. We are particularly interested in candidates specializing in research at the interface between chemistry and biology. Applications should include a curriculum vitae, reprints of a subset of present and future research plans (one to three pages). Complete applications and three letters of recommendation, solicited by the applicant, should be received no later than October 1, 1996. Applications are invited from women and minority groups.

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ASSISTANT/ASSOCIATE PROFESSOR DIRECTOR OF THE LABORATORIES

The Section of General Surgery at the University of Chicago invites applications for a position at the ASSISTANT/ASSOCIATE PROFESSOR level to serve as Director of the Laboratories. We are seeking an independent investigator able to conduct and direct high quality basic science research in molecular oncology of gastrointestinal and pancreatic diseases.

Qualifications include a Ph.D. degree and completion of a relevant postdoctoral fellowship. The candidate should have evidence of productivity in research with publications in peer-reviewed journals and current independent research funding. Responsibilities include independent basic science research; development of translational research projects with current faculty to complement the clinical programs of the Section of General Surgery; and the overall direction of the research programs of the Section. Please send inquiries and curriculum vitae to: Faculty Appointments, Department of Surgery, University of Chicago, Section of General Surgery, 5841 South Maryland Avenue/MC 5094, Chicago, IL 60637. The University of Chicago and its Medical Center are Affirmative Action/Equal Opportunity Employers and applications from women and representatives of minority groups are encouraged.

POSTDOCTORAL POSITION available immediately for NIH-sponsored project to identify the determinants of neoplastic transformation of prostate epithelial cells as a malignancy suppressor. Other active projects focus on molecular pharmacological characterization of dopamine receptors—see http://www.teleport.com/~nevek/. Molecular biology and cell biology techniques are being used to develop a workforce to work hard. Send curriculum vitae and names of three references to: Dr. Kim Neve, VA Medical Center (151L), 3710 SW US Veterans Hospital Road, Portland, OR 97201. FAX: 503-721-7839; Email: nevek@teleport.com.

A POSTDOCTORAL POSITION is available for three years on an NIH training grant to study the molecular and cellular biology of glucose transport. See http://www.mueckler.wustl.edu/ for information on specific research interests of the laboratory. Candidates must be U.S. citizens or permanent U.S. alien residents and must have had one year or less of postdoctoral research experience. Send curriculum vitae and arrange to have two letters of reference sent to: Mike Mueckler, Department of Cell Biology and Physiology, Washington University School of Medicine, 660 South Euclid Avenue, Box 1228, St. Louis, MO 63110. Email: mike@cellbio.wustl.edu.

POSTDOCTORAL POSITION available immediately for molecular biologist with strong background in cellular immunology. Strong background in MA recognition is desirable (i.e., the ability to conduct MAb hybridoma and cytotoxicity assays efficiently). Salary competitive and based on experience. Send curriculum vitae and the names and telephone numbers of three references to: Eugene V. Bollag, Ph.D., Department of Immunology, Johns Hopkins University School of Medicine, 10 N. Wolfe Street, Baltimore, MD 21205.
Improving therapy experience through CHIRON and pathogenesis studies (or gene therapy) development and virology research.

Research Scientist - Gene Therapy

This individual will be responsible for the conception, design, development, execution, and interpretation of scientific research related to the development of alphavirus-derived nucleic acid and particle-based vectors for human gene transfer. Requires a Ph.D./MD in a scientific discipline, postdoctoral work and 0-3 years' experience with an emphasis in basic (including pathogenesis studies) and/or molecular virology, and a significant publication record. Selected candidate will have a broad-based knowledge of both DNA and RNA viruses, and possess the necessary skills in which to study them. Knowledge of immunology and human gene therapy desirable, but not required. Excellent communication skills, and the ability to work as a component of a highly collaborative team are very important.

Chiron Viagen offers a comprehensive salary and benefits package. Please send resumes to: CHIRON VIAGENE, INC., HIR Dept, Code: 1819, 11055 Roselle Street, San Diego, CA 92121; fax (619) 452-2616. EOE

Global Career Opportunities

Research Scientist - Flow Cytometry and Confocal Microscopy

The National University Medical Institutes seeks to recruit an individual at Ph.D. level to direct and supervise its core facilities in confocal microscopy and flow cytometry. The successful candidate should preferably have experience with light microscopy, immunofluorescence techniques, multicolor analysis, DNA and bivariate analysis, multiparameter cell sorting, chromosomal and apoptosis studies using flow cytometry. Each core facility is staffed currently by a laboratory technologist. Managerial skills, ability to use a range of software and to develop new applications in flow cytometry and confocal microscopy are advantages. The successful applicant will have the opportunity to develop a research program and to compete for research funding. Salary will be commensurate with qualifications and experience. Interested applicants should submit their curriculum vitae and the names of three referees to: The Department Head, Molecular Medicine Laboratories, National University Medical Institutes, #02-01 MD11, Clinical Research Centre, Faculty of Medicine, National University of Singapore, 10 Kent Ridge Crescent, Singapore 119260. Fax Number: (65) 773-5461.

When Science and Technology Come Together, Anything Is Possible. And Everything Is Achieved

By merging pharmaceutical science with technology, Eli Lilly and Company is creating unprecedented opportunities to better meet the global population's health care needs. While we continue our search for innovative pharmaceuticals, we're also pioneering ways to use technology to improve health care. We're collecting, analyzing and sharing data with the entire health care community in order to help people manage illness and lead healthier, more active lives. And achieving all this, is a dedicated team of technical professionals. Their talents and skills in a variety of technical areas, keep our $6+ billion company on the cutting edge.

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Cellular Electrophysiologist

Pharmacia & Upjohn, a world leader in pharmaceutical research and development, has an immediate opportunity for an investigator to join the Department of Cardiovascular Pharmacology within Discovery Research. This is your opportunity to participate on multi-disciplinary program teams in a drug discovery process involving the identification of novel molecular ion channel targets and the establishment of new model systems to screen and evaluate the therapeutic potential of selected lead compounds.

The selected candidate will be an established cellular electrophysiologist with a background in cardiac, smooth muscle and/or neuronal tissues. Applicants should have experience in extra- and intra-cellular recordings and single channel as well as whole cell configurations of patch clamp recordings in native or cultured cells, and transfected cells. A working knowledge of computer-based data acquisition and analysis is also required. Additional qualifications include a Ph.D. (or equivalent) in pharmacology, physiology, cell biology or related science, a minimum of 2 years postdoctoral experience, and excellent written and oral communication skills.

Pharmacia & Upjohn Company offers a competitive salary, benefits and relocation assistance commensurate with the expected contribution. For confidential consideration please send your resume/CV to: Pharmacia & Upjohn Company, Corporate Recruiting, Position # 328, 7000 Portage Road, Kalamazoo, MI 49001. We are an equal opportunity employer with a commitment to workplace diversity. E-mail to: RECRUIT@PWVNET.UPJ.COM
POSTDOCTORAL POSITIONS

Children’s Nutrition Research Center
Baylor College of Medicine

The USDA/ARS Children’s Nutrition Research Center, Department of Pediatrics, Baylor College of Medicine, is accepting applications from individuals with Ph.D. and M.D. degrees to participate in a wide range of research programs related to nutritional needs of infants, children, and adolescents, as well as pregnant and lactating women. The Center’s 30 faculty members direct research areas ranging from whole body macronutrient metabolism to the cellular level. Positions funded by an NIH training grant as well as a limited number of positions funded by other sources are available. For information, contact: William C. Heird, M.D., Director, Children’s Nutrition Research Program, Children’s Nutrition Research Center, Baylor College of Medicine, 1100 Bates Street, Houston, TX 77030. Telephone: 713-798-7177; FAX: 713-798-7187; Email: wcheird@bcm.tmc.edu. Baylor College of Medicine is an Equal Access/Equal Opportunity/Affirmative Action Employer. Women and members of minority groups are strongly encouraged to apply.

POSTDOCTORAL POSITION

IMMUNOLOGY

Yale University School of Medicine

Ph.D. or M.D./Ph.D. position to study T-B cell collaboration in systemic myelin autoimmunity and Fox deficiency. Experience and/or interest in T cell cloning, co-stimulatory factors, cytokines, and methods of autoimmunity necessary. Send curriculum vitae, research interests, and three reference letters to: Joe Craft, M.D., Section of Rheumatology, Department of Internal Medicine, Yale University School of Medicine, Box 280301, 333 Cedar Street, New Haven, CT 06520. Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION

MOLECULAR BIOTECHNOLOGY

Two positions are available in the following areas: 1) Molecular evolution of high affinity antibodies from combinatorial libraries of single chain antibody fragments expressed by flow cytometry. 2) Folding and disulfide bond formation in heterologous proteins expressed in bacteria. A Ph.D. degree in molecular biology, biochemistry, or bioengineering is required. Evidence of productivity in projects utilizing prokaryotic molecular biological techniques is essential. Interested applicants should send a cover letter and curriculum vitae to: Dr. Paula Sundstrom, Department of Medical Microbiology and Immunology, College of Medicine, The Ohio State University, 333 West 10th Avenue, Columbus, OH 43210. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL RESEARCH SCIENTIST

The George Washington University Medical Center Department of Anatomy and Cell Biology

Available starting August 15, 1996 to study cell-cell and cell-substrate interactions during cornical wound healing and eye development. Applicants should have a strong background in cellular and molecular biology. A Ph.D. in the biomedical sciences is required. Interested parties should send curriculum vitae and two references to: Dr. L. Ashley Hall, 2300 1 Street NW, Ross Hall, Washington, DC 20037, The George Washington University Medical Center is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

POSTDOCTORAL RESEARCH POSITION

Cellular and Molecular Biology to work in prostate carcinogenesis. Experience in cell culture and molecular biology techniques essential. Apply with curriculum vitae to: Ms. Wanda Malone, Institute of Chemical Toxicology, Wayne State University, 2727 Second Avenue, Room 4000, Detroit, MI 48201. Wayne State University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION

A postdoctoral position is available immediately for an individual interested in murine retroviral pathogenesis or utilization of the mouse as a model for retroviral infection. Candidate should have a Ph.D. or M.D. or equivalent experience in molecular biology. Send curriculum vitae and the names of three references to: Dr. Kent Hunter, c/o Human Resources, The Upjohn Company, Center, 7771 Burdick Avenue, Philadelphia, PA 19111. Email: kw.hunter@upj.com. Equal Opportunity Employer.

POSTDOCTORAL POSITION

A postdoctoral position is available immediately to identify and characterize proteins that interact with the Ab receptor during lipid-mediated signaling. Candidates should have a Ph.D. with a demonstrated background in molecular biology. Send curriculum vitae and names of three references to: Dr. Cornelia Eberth, Institute of Chemical Toxicology, Wayne State University, 2727 Second Avenue, Room 4000, Detroit, MI 48201-2254. Wayne State University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION

PHARMACOLOGY/BIOCHEMISTRY

A postdoctoral position is available immediately in the laboratories of Drs. M. Clagett-Dame, R. Peter and H. E. Fisher to study high affinity carbonic anhydrase and its receptor and its ligands. The position requires a Ph.D. with strong training in biochemistry and molecular biology. Experience in recombinant techniques for expression and purification of proteins in a eukaryotic cell line and the names of three references to: Dr. M. Clagett-Dame, School of Pharmacy, University of Wisconsin-Madison, 600 Highland Ave., Madison, WI 53706. FAX: 608-262-3397; Email: mcd@pharmacy.wisc.edu. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION

Washington University School of Medicine

Available immediately to study the molecular and genetic mechanisms of iron and copper metabolism in human neurodegenerative diseases (PARK, 92:2529, 1995; Hum. Mol. Gen., 5:81, 1996; J. Clin. Invest., 98:207, 1996). Experience in cell and molecular biology required. Send curriculum vitae and names of three references to: Dr. Jonathan D. Gitlin, Department of Pediatrics, Washington University School of Medicine, St. Louis Children’s Hospital, St. Louis, MO 63110. Email: gitlin@kids1.wustl.edu. Washington University is an Affirmative Action/Equal Opportunity Employer.

MOLECULAR PARASITOLOGY

NIH-funded POSTDOCTORAL RESEARCH position available to study the apicomplexans of human malaria parasites. Research goals are to compare the functions of the various plasmodiums and to characterize their role in the parasite life cycle. Background in parasite biology, molecular biology, and/or electrophysiological techniques. Send curriculum vitae, brief summary of research interests/career goals, and names of three references to: Dr. John B. McKenzie, Department of Molecular Biology, University of Florida, Gainesville, FL 32611-0880. Email: dame@ibrr.ifas.ufl.edu; FAX: 352-392-9704.

POSTDOCTORAL FELLOWS

Positions available. Endocrine Unit, Massachusetts General Hospital/Harvard Medical School. To study: 1) Molecular basis for bone- and cartilage-specific expression of the PTH/PTHrP receptor gene. 2) Structural features that determine CCR receptor binding, identification and isolation. 3) Functional role of post-transcriptional modification of the PTH/PTHrP receptor. Experience with molecular biology and/or protein chemistry desirable. Send curriculum vitae, letters of support, and statement of research interest by September 30, 1996 to: J. M. Oliver, Cell Pathology Laboratory, Surge Building, University of New Mexico Health Sciences Center, 2600 Sandia Blvd, MS2-070, Albuquerque, NM 87107. FAX: 505-277-2990; Email: jmo@rapunzel.unm.edu. Equal Opportunity Employer.

POSTDOCTORAL ASSOCIATE(S)

in immunoreceptor signaling group, affiliated with NIH-funded cancer and asthma centers, to study human IgG receptor-mediated signal transduction. Ph.D. in immunology, cell biology, or biochemistry/molecular biology required. Experience in the analysis of receptor-mediated signaling pathways using genetic, biochemical, and/or video microscopy techniques, or in human basophil/mast cell biology, desired. Send curriculum vitae, names of three references, and statement of research interest by September 30, 1996 to: R. Martin, Department of Medicine, University of Minnesota, 1121 Jackson Hall, Minneapolis, MN 55455. Email: rikar@hgg10.tohn.umn.edu. Equal Opportunity Employer.

POSTDOCTORAL POSITION

Group Leaders, Scientists, Post-Docs
Maximizing Genetic Diversity
Molecular Evolution uses pools of related DNA sequences which undergo homologous recombination, known as DNA Shuffling or Sexual PCR, followed by functional selection & amplification of the best sequences. This process is repeated for several recursive cycles.

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MAXYGEN is being created as an independent spin-off from Affymetrix Research Institute. MAXYGEN is a state-of-the-art technology center focused on the development of evolution technology for the optimization of single genes, pathways, epigenomes and viruses. Please forward resumes to:
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3410 Central Expressway, Santa Clara, CA 95051 EOE

DEPARTMENT OF MOLECULAR BIOMEDICAL SCIENCES AND INSTITUTE OF BIOTECHNOLOGY
THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO
The Department/Institute invites applications for two tenure-track faculty positions at all levels. While outstanding researchers in all areas of eukaryotic molecular and cellular biology will be considered, expertise in the following fields is of particular interest: extracellular matrix, adhesion molecules, growth factors and receptors, cancer genetics, and signal transduction. Applicants should have a Ph.D. or M.D. degree with sufficient postdoctoral experience. The positions provide exceptionally competitive salaries, generous start-up funds, and laboratory space in a highly interactive and modern research environment. The successful applicants will be active faculty members in the recently established Graduate Program in Molecular Medicine, which currently has forty-one graduate students.
Interested individuals should send a curriculum vitae, a statement of research accomplishments and objectives, reprints of recent articles, and the names and addresses of three references preferably by October 1, 1996 to:
Dr. Paul D. Gardner
The University of Texas Health Science Center at San Antonio
15355 Lambda Drive
San Antonio, Texas 78245-3207
The University of Texas Health Science Center at San Antonio is an Equal Employment Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION
MOLECULAR ONCOGENESIS
St. Jude Children’s Research Hospital
Departments of Pathology and Tumor Cell Biology
NIH-funded postdoctoral positions are available immediately to investigate the role of the AML1/CBFβ transcription factor complex in normal hematopoiesis and leukemia. Studies will focus on defining the biologic function of AML1 in the establishment of fetal liver-derived hematopoiesis, and on investigating the mechanisms responsible for cellular transformation by the t(8;21) and t(12;21)-encoded AML1 chimeric proteins. These studies will be performed in a highly interactive environment that is housed in a state-of-the-art facility. Qualified candidates should possess either a Ph.D. and/or M.D. and have prior experience in molecular biology. Interested applicants should send their curriculum vitae and the names, addresses and phone numbers of three references to:
Dr. James R. Downing, Department of Pathology,
St. Jude Children’s Research Hospital,
332 N. Lauderdale, Memphis, TN 38105.
Women and minorities are especially encouraged to apply. An equal opportunity/affirmative action employer.

OSIRIS
Osiris Therapeutics, Inc.
Regenerative Tissue Therapy
Osiris Therapeutics, Inc. has positions immediately available offering candidates exciting opportunities to develop novel therapeutic products for the regeneration of diseased or injured tissue using Osiris’ proprietary technology with Mesenchymal Stem Cells (MSCs). The MSC is a multi-lineage progenitor cell that holds enormous potential for use in Regenerative Tissue Therapy. Osiris has rapidly growing programs in both orthopedics and cancer therapy.
Molecular Biology Research: (JC: TJC) Postdoctoral position available to investigate the transcriptional regulation of newly identified genes involved in osteogenic differentiation. Research experience in molecular biology required.
Antibody Production: (JC: JMM) Position requires experience in all aspects of monoclonal antibody production and characterization to generate novel antibodies to both progenitor and differentiated MSCs.
Cell Processing: (JC: SC) Various positions requiring experience in the isolation, culture expansion, formulation, and analysis of primary cells for clinical application. Experience in the areas of immunomagnetic cell selection, flow cytometry, bioarctor development, cryopreservation, and media development are required.
Quality Assurance and Quality Control: (JC: SC) Positions require experience in the areas of auditing, documentation, assay and validation of materials, processes and products used in cellular therapy.
Biomaterial Formulation: (JC: SC) Position requires experience in the formulation and development of biocompatible matrices and supports for the clinical delivery and application of cellular products.
Osiris Therapeutics, an equal opportunity employer located in Baltimore, Maryland, offers a competitive salary and benefit package. Senior positions require Ph.D. and minimum 5 years of industry experience. Send resume and salary requirements to Human Resources Mgr., Job Code (from above), Osiris Therapeutics, Inc., 2001 Aliceanna Street, Baltimore, MD 21231-2001.
MICROBIOLOGIST

The University of Chicago seeks an accomplished and established microbiologist to lead a new multi-disciplinary program in microbiological sciences within the Department of Pathology. A program constituted of 6-8 newly recruited investigators in the microbiological sciences is envisaged. Applicants should be active, internationally recognized investigators in the molecular pathogenesis of microbial, parasitic and viral diseases and be willing to participate in the education of medical and graduate students. The successful candidate will be expected to frame and implement the program to be developed. Salary is competitive and negotiable. Excellent benefit package included. Send curriculum vitae, names of five references and a brief research description to: Godfrey S. Getz, M.D., Ph.D., University of Chicago, Department of Pathology MC 3083, 5841 S. Maryland Ave., Chicago, IL 60637-1470.

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U.S. Civilian Research & Development Foundation
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Applications are being accepted from applied scientists and engineers in the non-Russian countries of the former Soviet Union for grants of up to $2,500 for short-term travel to the United States. The purpose of the travel must be to attend meetings of industry associations or scientific and engineering societies and also to meet with U.S. scientists to initiate research collaboration.

Application deadline: December 31, 1996
Travel must be completed by April 1, 1997

For eligibility guidelines and application materials, please contact:

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Los Alamos National Laboratory is the birthplace of many of the technologies which drive the technical and economic advancement of our country. At Los Alamos, this starts with research into the basic sciences and engineering disciplines and extends into a myriad of innovative programs and projects.

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Staff Member

We are seeking a scientist to join the staff at the Manuel Lujan Jr. Neutron Scattering Center, a high-power pulsed source of spallation neutrons. The successful candidate will be an energetic, creative individual who can contribute to existing programs and establish new and independent neutron scattering research programs in areas of materials science, condensed matter physics or chemistry. A record of scientific accomplishments and extensive experience in x-ray/neutron scattering are required. The position requires a Ph.D. in condensed matter science, solid state physics, materials science, or chemistry or related field. Candidates with the ability to obtain a Q-clearance are preferred.

To formally apply for this position, interested candidates should forward a resume to Human Resources Division, 961694-MLNSC 96125, Los Alamos National Laboratory, MS P286, Los Alamos, NM 87545. Affirmative Action/Equal Opportunity Employer. Individuals with disabilities needing reasonable accommodation should call (505) 667-8622. A Teletype Device for the Deaf (TDD) is available by calling (505) 665-5357. Los Alamos National Laboratory is operated by the University of California for the U.S. Department of Energy.

Los Alamos NATIONAL LABORATORY

Molecular Biology

Ph.D. Scientist

The challenges of the next century have already brought change and innovation to Hoffmann-La Roche, a world leader in developing, manufacturing, and marketing pharmaceuticals. We’re looking for a protein expression expert to join our established, multi-disciplinary team doing collaborative research on structure-based drug design.

This new scientist will prepare expression constructs for the research-scale production of proteins that will be used in structural determinations by X-ray Crystallography and NMR. In concert with other scientists, the individual will optimize the proteins for these efforts by including affinity tags, selecting appropriate protein domains, investigating species variants, etc.

Labeled proteins will also be prepared which incorporate heavy atoms such as selenomethione and stable, NMR-active nuclei. Most proteins are expressed in bacterial or baculovirus systems, but yeast and mammalian systems are also investigated. This scientist will help plan research in project teams. With the exception of proprietary items, publication of research results is strongly encouraged.

The qualified candidate will possess a Ph.D. in Molecular Biology or Biochemistry with 2 years of postdoctoral studies (or equivalent experience). Experience with a variety of protein expression systems is strongly preferred. Protein purification experience is also desirable.

We offer an attractive salary and benefits package in a state-of-the-art work environment. For consideration, please send your resume with salary requirements to: Ms. Stela M. Straza, Department SS-476V, Hoffmann-La Roche, Nutley, New Jersey 07110-1150. No phone calls please. PRINCIPALS ONLY. We are an equal opportunity employer.

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Chairperson, Veterinary Biosciences. The Ohio State University College of Veterinary Medicine invites applications and nominations for Chairperson of the Department of Veterinary Biosciences. The Department has 28 faculty representing pathology, clinical pathology, microbiology, immunology, anatomy, cell biology, physiology, toxicology, biochemistry, and pharmacology. The Department has major extramurally funded research in virology/retrovirology, bacteriology, rickettsiology, cancer, endocrinology, physiology, and toxicology. Faculty teach basic and applied teamwork-taught core and elective courses. Applicants should have the 4-year professional curriculum. The faculty provide diagnostic support to clinical teaching programs of the Veterinary Teaching Hospital. This position is for a 1-year term. The Chairperson should be an established scientist in veterinary medical research with a distinguished record of scholarly achievement. The candidate must have a strong commitment to leadership in veterinary medical education and research. Experience teaching graduate, professional students and in postprofessional specialty training is desired. Applicants with D.V.M. (or equivalent) and Ph.D. degrees are desired but qualified candidates holding Ph.D. are encouraged to apply. It is desirable that the candidate have experience in a department similar to the Veterinary Teaching Hospital. Applicants should submit a letter of interest, current curriculum vitae, and names of 5 references to: Dr. Kent H. Hoblet, Chair of Search Committee, Department of Veterinary Preventive Medicine, The Ohio State University, 190 Coffey Road, Columbus, Ohio 43210-1092. Applications will be received until September 30, 1996, or until an acceptable candidate is identified. The College of Veterinary Medicine is an integral part of the most comprehensive health sciences center in America with the Colleges of Dentistry, Medicine, Nursing, Optometry, Pharmacy, University Hospitals, and the James Cancer Hospital and Research Institute. The Ohio State University is an affirmative action/equal opportunity employer. Women and minorities are encouraged to apply. Vietnam-era veterans, disabled veterans, and individuals with disabilities are encouraged to apply.

Drug Discovery Enterprises Inc. (DDE), a rapidly expanding R&D company, has immediate openings for candidates available. POSTDOCTORAL ASSOCIATES: Require M.D., Ph.D., or equivalent degree. STAFF SCIENTISTS: Requires at least three years of postdoctoral experience. Independent investigators in oncology, virology, molecular biology, pharmacology, or related fields. Send curriculum vitae, research statement, and three letters of recommendation to: DDE, P.O. Box 8178, 2685 Patton Road, St. Paul, MN 55108.

POSTDOCTORAL POSITION available immediately for neuroscientist to study effect of abused drugs on CNS gene expression and neurotransmitter release. Opportunity to learn hybridization and microdialysis. Familiarity with biochemical neurotransmitter pharmacology of limbic/basal ganglia systems, molecular techniques, small animal neuroscience, and HPLC desired. Salary commensurate with experience and NIH guidelines. Send curriculum vitae and names of three referees by September 15, 1996 to: Jacqueline F. McGinty, Ph.D., Department of Anatomy and Cell Biology, East Carolina University, School of Medicine, Greenville, NC 27858-4354.

POSTDOCTORAL Position available immediately at Vanderbilt University Medical Center for the study of the mammalian fibrinolytic system in cardiac and vascular disease. The multidisciplinary approach is aimed at characterizing the role of tissue-type and urokinase-type plasminogen activators on endothelial cell gene expression and fibrinolytic regulation. Experience and interest in molecular biology and biochemistry is required. Please send curriculum vitae and three letters of reference to: Douglas E. Vaughan, M.D., Associate Professor of Medicine in Pharmacology, Division of Cardiovascular Medicine, Vanderbilt University Medical Center, Nashville, TN 37232. Telephone: 615-936-1720; Fax: 615-936-1872.

POSTDOCTORAL FELLOWSHIP in Behavioral Neuroscience. Laboratory focuses on parental behavior and sexual dimorphism in voles and human tissue. Strong anatomical background needed. Send resume and statement of interests to: Dr. Brian Kirkpatrick, M.F.R.C., P.O. Box 21247, Baltimore, MD 21218 U.S.A. 301-874-8837. The University of Maryland at Baltimore is an Affirmative Action/Equal Employment Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

POSTDOCTORAL POSITION in Medical Science. Available immediately to study the cell biology of G proteins. Successful applicants should have background in molecular biology and biochemistry. Please send curriculum vitae to: Dr. B. Denker, Thorn 628, Brigham and Women's Hospital, 75 Francis Street, Boston, MA 02115, in yeast. Inquire 617-732-5096; Fax 617-732-6392; Email: denker@bustoff.bwh.harvard.edu. Women and minorities are encouraged to apply. Brigham and Women’s Hospital/Harvard Medical School is an Equal Opportunity Employer.

APPLICATION SCIENTIST Use knowledge of chemistry, applied molecular biology, and related computer software to support biotech researchers in use of software for computer aided molecular design and bioinformatics. $50,000 per year. PhD in chemistry or molecular biology. One-year renewable appointment. Applicants interested in postdoctoral research involving in-depth and technical use of software for molecular modeling. Attend biotech seminars, keep up with technical developments. Feedback is suggested. Program changes, deadlines, updates, and news are sent to joblist. Send applications to: John Bower, JBC 269065, Sacramento, CA 95826-9065.

POSTDOCTORAL POSITION in Neuroscience. Applications are invited for a POSTDOCTORAL FELLOWSHIP available to study molecular aspects of the chemical coding of neurotransmission, including regulation of genes encoding vesicular neurotransmitter transporters and secretory proteins, and their intracellular targeting and function. Candidates must have obtained the Ph.D. or M.D. degree during the last five years, and must have laboratory experience in molecular biology and/or expertise in neurotransmission. Send curriculum vitae and three letters of recommendation to: Lee Eidin, Ph.D., Section on Molecular Neurosciences, Laboratory of Cell Biology, Building 2, Room 5I-38, National Institutes of Health, Bethesda, MD 20892-4090. Fax: 301-402-1748; Email: eidin@codon.nih.gov. An Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION at Columbia University’s Health Sciences campus for M.D., Ph.D., or equivalent degree to study biochemical mechanisms of action, effects that affect bone cell signaling. Individual must have experience in signal transduction systems, RIA, protein purification and isolation, Western and Northern blot techniques, and M.I.C., as well as tissue culture. Send curriculum vitae and reference list to: Dr. Stephen A. Morris, Department of Medicine, College of Physicians and Surgeons, Columbia University, P.O. Box 90, 30 West 170th Street, New York, NY 10032. Columbia University takes Affirmative Action to ensure Equal Opportunity. We are particularly interested in applications from women and minorities.
Faculty Position in Climate and Atmospheric Sciences
Scripps Institution of Oceanography
University of California, San Diego

Scripps Institution of Oceanography invites applications for an Assistant, Associate, or Full Professor (tenure track or tenured) faculty position in fields related to the physical or dynamical or chemical aspects of climate and atmospheric sciences. The successful applicant will have the opportunity to join the Climate Sciences Curricular Group, made up of a broad range of Earth scientists who carry out interdisciplinary teaching and research. Candidates must have demonstrated research experience in an appropriate area. Examples of relevant specialties would include, but not be limited to, the following: atmospheric dynamics, ranging from the mesoscale to the general circulation; air-sea interactions; coupled ocean-atmosphere modeling; and climate variability on interannual and longer time scales. Preference will be given to candidates able to establish a research program in an interdisciplinary environment that includes work on atmospheric chemistry, geochemistry, the physical climate system, paleoclimatology, atmospheric dynamics and physics, global climate modeling and biological and physical oceanography.

Rank and salary will be commensurate with qualifications and experience based on the UC pay scale. Candidates must have a Ph.D. or equivalent degree. The position will involve teaching and the supervision and support of graduate students, and the development of research programs supported by extramural funds. Assistant and Full Professor candidates must show evidence of a strong research record. The assistant level candidates will be expected to show evidence of their potential through a publication record appropriate to their experience. Closing date for applications: November 1, 1996. Send letter of application including description of research interests, list of publications, resume of teaching experience, and names/addresses of five references to: Chair, Climate Search Committee, SIO Graduate Department, University of California, San Diego, 9500 Gilman Drive, La Jolla, CA 92039-0208. UCSD is an Equal Opportunity/Affirmative Action Employer.

PARADIGM BIOSCIENCES, INC.

Paradigm Biosciences, Inc., founded in 1991, is dedicated to the research and development of certain steroid hormones in acute and chronic inflammatory diseases. As a growing company, we now wish to recruit two Senior Research Scientists in the areas of Biochemistry and Cell Biology.

Primary responsibilities of these laboratory positions entail development of sound experimental methods to pursue the mechanism of action of these steroid hormone ligands and their role in the regulation of inflammatory disease. Technical expertise in membrane biology, receptor-mediated signaling, calcium-dependent second messengers, protein biochemistry, and molecular biology are required.

These positions require candidates with a Ph.D. and at least 2 years of experience in biochemistry, cell biology, and/or molecular biology. Candidates familiar with interactions between inflammatory cells and host tissue will be given preference. Other requirements are strong oral and written communication skills and ability to work independently with minimal supervision and within a small interdisciplinary team.

In addition to generous stock options, Paradigm Biosciences offers a competitive compensation and benefits package, in a highly stimulating interactive environment. Please send or fax a letter of interest specifying position and credentials, and a brief summary of research accomplishments, along with a complete CV and the names and addresses of three professional references, to:

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Paradigm Biosciences, Inc.
2401 Foothill Drive
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DIRECTOR, BIOLOGICAL AND BIOMEDICAL SCIENCE AND TECHNOLOGY DIVISION

The Office of Naval Research (ONR) is seeking an outstanding individual to serve in this Civil Service position in the Senior Executive Service (SES). Salary range is $94,800 to $115,700 (plus locality pay) per year, depending on qualifications. In addition to salary, career SES appointees are eligible to compete for performance awards and bonuses. Filling of this position is subject to position allocation availability.

The Director, Biological and Biomedical Science and Technology Division, is a key position in science and technology management in the Department of the Navy (DON) and the Department of Defense (DOD). The incumbent is responsible for managing and directing extensive activities in fostering, developing, administering, and executing an integrated program of basic research, applied research, and advanced technology development involving a wide range of life sciences. Candidates must have substantial research experience in an area of biological sciences, including a Ph.D. or equivalent education and experience in biological or related chemical sciences and recent experience in management of scientific research or technology development programs in the biological sciences.

To request a copy of the vacancy announcement and supplemental forms, call (703) 696-0972 or our TDD (Telecommunication Device for the Deaf) at (703) 696-6357. For additional information on applying for the position, please contact Ms. R. Perry at (703) 696-4587. For technical information concerning this position, applicants may call Dr. M. Marron at (703) 696-4038. Applications will be accepted through 10/04/96 and must be received by that date. Interested persons should submit their application and supplemental forms to: OFFICE OF NAVAL RESEARCH, Satellite Human Resources Office, Attn: Announcement #96-19/SCI, 800 North Quincy Street, Arlington, VA 22217-5660.

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RESEARCH SCIENTISTS: Develop new products for use as research reagents in cloning vectors (bacteriophage and plasmid), expression systems, expression vectors, reporter vectors, plant molecular biology; maintain, update, and extend a collection of vector DNA sequences; and become technical questions from customers. Minimum Ph.D. in genetics, molecular biology, or related field plus one year of experience in job offered. Experience must include repertory of competencies such as Green Fluorescence Protein, Secreted Alkaline Phosphatase, B-galactosidase; baculovirus expression system; bacterial and mammalian expression systems; recombinant DNA techniques; plant molecular biology, biochemistry, CAD-Gen. $52,800 per year. Job site/ interview: Palo Alto. Send resume and this ad to: Job Number JP621626828, P.O. Box 269065, Sacramento, CA 95826-9065.

STAFF ASSOCIATE POSITION

A STAFF ASSOCIATE position for a genetic counselor is available immediately in the Department of Neurology, Division of Movement Disorders, at Columbia University. The Staff Associate will act as Study Coordinator for funded or unfunded projects. Responsibilities include enrolling families into the studies and obtaining family histories, interviewing patients and family members, organizing data for grants and manuscripts, collecting blood from subjects for DNA analysis, and subsequent generic counseling (travel required). The applicant should have a M.S. degree in genetic counseling and one to two years' experience in genetic counseling and/or genetic counseling training. Experience in counseling families with a variety of genetic disorders is helpful. Minimum $30,000 per year. Send resume to: Steven Nochlin, M.D., Department of Neurology, 716 West 168th Street, New York, NY 10032. Columbia University is an Affirmative Action/Equal Opportunity Employer.

SCIENTIST/SENIOR SCIENTIST—Cell and Molecular Biology/Protein Biochemistry: AtheroGenics, Inc. is a rapidly growing biopharmaceutical company engaged in the discovery and development of products for the prevention and treatment of atherosclerotic disease and atherosclerosis and inflammation. Ph.D. with one to four years (scientist) or five to seven years (senior scientist) of postdoctoral experience in cellular and molecular biology. Experience in cell identification and characterization of novel proteins and cell-surface receptors. Experience in protein characterization and quantitative immunodiffusion and knowledge of cardiovascular, or related, sciences. Send resume to: AtheroGenics, Human Resources, 3065 Northwoods Circle, Norcross, GA 30071. FAX: 770-447-1886.

POSTDOCTORAL RESEARCH ASSOCIATE position for an electrophysiologist with expertise in patch clamp methodology. Please send complete curriculum vitae plus three letters of reference to: Dr. Kruh, c/o Human Resources, University of Chicago Cancer Center, 7711 Burholme Avenue, Philadelphia, PA 19111. Equal Opportunity Employer.

Dr. Kruh, c/o Human Resources, University of Chicago Cancer Center, 7711 Burholme Avenue, Philadelphia, PA 19111. Equal Opportunity Employer.

POSTDOCTORAL RESEARCH position in molecular virology is available. The project involves the study of human immunodeficiency virus Integrase (IN) with emphasis on biochemical and biophysical approaches to dissect the role of host transcription factors in integration, proteincprotein interactions of HIV IN, and structurefunction relationship of IN and the host factor. Applicant must hold a Ph.D. or M.D., degree in molecular biology, biochemistry, or related field. Minimal requirements are an expertise in molecular biology and a serious interest in AIDS research. Applicants should send curriculum vitae, up to three references, and a reference to: Dr. Ganjam V. Kalpana, Department of Molecular Genetics and Center for AIDS Research (CFAR), Albert Einstein College of Medicine, Jack and Pearl Resnick Campus, 1300 Morris Park Avenue, Bronx, NY 10461. An Equal Opportunity Employer.
Life Sciences

Part of Huntingdon International Group, Huntingdon Life Sciences is Europe's largest biological research organisation. Based in the UK at two sites Huntingdon, Cambridgeshire and Eye, Suffolk. We carry out essential work evaluating the safety of pharmaceutical products, agrochemicals and industrial chemicals.

Senior Pharmacologist/Study Director

A vacancy has arisen for a Senior Pharmacologist in the position of Study Director/Senior Scientist, to be responsible for primate pharmacology studies, based in Suffolk.

Qualifications should include a Ph.D in Behavioural or CNS Pharmacology and at least 4 years experience, some gained in the pharmaceutical industry or allied contract organisation. Familiarity with GLP regulations, good organisational, communication and interpersonal skills are desirable.

Working as part of a team the work will involve you in:
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To apply please forward your CV to the Personnel Manager, Huntingdon Life Sciences Ltd, Ocold, Eye, Suffolk, IP23 7PX.

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**CENTRE FOR COMPUTATIONAL NEUROSCIENCE AND ROBOTICS**

Neuroscience and AI are areas in which the University of Sussex is exceptionally strong. A new interdisciplinary Centre has recently been established to promote synergy between studies of artificial and biological nervous systems.

Applications are invited for two post-doctoral fellowships to work in an exciting, interactive and unusual environment in this interdisciplinary Centre.

Post 1: Computational Modelling of Biological Sensory Processing. The aim is to understand the neural mechanisms underlying motion detection. The project will involve tight coupling of computer modelling and electrophysiological data. It will feed directly into our work on robot nervous systems.

Post 2: Artificial Evolution of Nervous Systems for Robots. The aim is to expand the evolutionary robotics field developed at Sussex by evolving robots with more complex behavioural capabilities, in particular to evolve minimally cognitive robots.

Salary will be on the Research and Analogous Faculty Grade 1A scale £14,317 to £21,519 per annum (under review). The posts are available immediately and will be for two years in the first instance with the possibility of renewal.

Informal enquiries are encouraged. Enquiries about Post 1 should be made to Professor Michael O'Shea (Tel: +44 (0)1273 788122; Email: M.O-Shea@sussex.ac.uk) and for Post 2 to Dr Phil Husbands (Tel: +44 (0)1273 788556; Fax: +44 (0)1273 781320; Email: P.Husbands@sussex.ac.uk).

http://www.biols.sussex.ac.uk/Biols/crcnr.html

Applications (curriculum vitae, one or two sample publications, and the names and addresses of at least two referees) should be sent to the Administrator, Centre for Computational Neuroscience and Robotics, School of Biological Sciences, University of Sussex, Falmer, Brighton, BN1 9QG, UK. Closing date: 1 October 1996.

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