POSITIONS OPEN

FACULTY POSITIONS

COMPARATIVE MEDICINE

BASIC SCIENTISTS

Department of Comparative Medicine
Stanford University School of Medicine

The Department of Comparative Medicine has tenured-track faculty positions in its ASSISTANT or ASSOCIATE PROFESSOR. Candidates must have received the Ph.D. degree and have a demonstrable record of research productivity as evidenced by grant support and publication in reviewed journals. The D.V.M. or V.M.D. degree from an institution accredited by the American Veterinary Medical Association is highly desirable, and preference will be given to veterinary candidates with Board certification or recognition as specialists of veterinary medicine. The Department of Comparative Medicine is a basic science department within the School of Medicine. Areas of particular relevance to the mission of the department include pathology, neuroscience, transgenic mouse biology, molecular biology, and gene therapy. In addition to its academic functions, the Department of Comparative Medicine provides the clinical service of veterinarians, veterinary technician, and lab-accredited, central animal facility that includes a 24-hour critical care unit staffed by veterinary technicians. Research strengths at Stanford include organ transplantation, immunology, genetics, infectious diseases, neuroscience, molecular biology, noninvasive nuclear and magnetic imaging, canine inherited diseases, anesthesia, private practice, and trauma. Appointments will be made to other interested. Interested candidates should send a letter containing a description of their career goals and research interests, their curriculum vitae, and names and addresses of five references to Linda L. D. Reck, D. V. M., Ph. D., President and Chairman, Department of Comparative Medicine, MSOB X347, Stanford University Medical Center, Stanford, CA 94305-5415. Applications will be received upon receipt and searches will be continued until all positions have been filled. Stanford University is committed to increasing representation of women and members of minority groups on its faculty, and particularly encourages applications from such candidates.

EDUCATION COORDINATOR

Joseph W. Jones Ecological Research Center
Newton, Georgia

The J. W. Jones Ecological Research Center located in southwest Georgia is seeking an EDUCATION COORDINATOR to develop a strong education program in natural resource management and policy. The program will provide a significant link between the ongoing research and conservation programs of the Center and natural resource management and policy constituencies. The individual will provide direction, supervision, and coordination for the Education Program of the Jones Center. Qualifications: A B.S. degree and teaching experience, or graduate degree(s) and/or extensive experience in biological sciences or natural resource science education. The successful applicant will have experience in ecological and natural resource education at professional level. Experience in project design, delivery, and implementation of innovative learning approaches is desirable. The applicant should have excellent communication and organization skills; proven ability to work cooperatively in educational, governmental, private, and other environments; and ability to manage and plan programs that are self-sufficient. Additional qualifications include experience in outreach, development, and planning of educational/conservation projects. For detailed position information, please contact the Education Program Coordinator, J. W. Jones Ecological Research Center, Cordele, GA 31015 (912) 734-7300.

PROFESSOR AND HEAD—Department of Entomology

Kansas State University is seeking applications/nominations for the position of Head of the Department of Entomology. Please request a full, detailed announcement from the Chair of the Department of Entomology at the University of Kansas, 1021 Troup Hall, Nineteen Mile Bend, Manhattan, KS 66506-4004. Tel: 913-532-7000. Fax: 913-532-7077. The position is advertised in the American Entomologist. The Chair of the Department of Entomology, 1021 Troup Hall, 913-532-7000.

University of Maryland, Poultry Science Department is seeking applications for two tenure-track FACULTY pos-

FACULTY POSITION

Medical and Natural Products Chemistry
The University of Iowa, College of Pharmacy

The Division of Medicinal and Natural Products Chemistry of the College of Pharmacy invites applications for one full-time, tenure-track faculty position at the level of ASSISTANT or ASSOCIATE PROFESSOR level. Applicants must hold the Ph.D. degree in medicinal and/or natural products chemistry or synthetic organic chemistry. A demonstrated research career is required. Candidates are expected to bring contemporary chemical, biochemical, and/or biological approaches necessary to establish and maintain a rigorous, extramurally funded research program. Applicants will be reviewed until the position is filled. Interested applicants should submit a curriculum vitae; statement of research interest; and the names, addresses, and telephone numbers of three references to John P. N. Rosasa, Ph.D., Professor and Head, Medicinal and Natural Products Chemistry, College of Pharmacy, University of Iowa, Iowa City, IA 52242. Telephone: 319-335-8842; FAX: 319-335-8766. The University of Iowa is an affirmative action/equal opportunity employer. Women and minority candidates are encouraged to apply.

SUPERVISORY ENVIRONMENTAL SCIENTIST

(GS 14)

Salary Range $61,348 to $79,454

The Subsurface Protection and Remediation Division of the National Risk Management Research Laboratory, United States Environmental Protection Agency (USEPA) is looking for a supervisory environmental scientist to serve as Chief of its Biotic Processes and Application Branch. The primary function of the position is to provide leadership to the Branch in planning, conducting, and overseeing research to meet the Agency’s needs for data and models of subsurface phenomena for application to risk assessment and protection and restoration of the subsurface environment and those ecosystems, which, as watersheds, are highly influenced by ground water flow and contaminant transport. The successful candidate will have an established record of research and publication in the physical or biological sciences or engineering. This is a supervisory position and requires the ability to lead interdisciplinary research teams. Brief announcement and Remediation Division of the National Risk Management Research Laboratory is a national research facility with a staff of about 150. U.S. citizenship is required for employment. For further information and a copy of the official announcement and the necessary forms please contact: The Federal Job Opportunities Bulletin Board (BBS), Telephone: 912-757-3100; the Career America America, Telephone: 1-800-252-9555; or the EPA Las Vegas Job Office, Telephone: 702-798-2418. The USEPA is an Equal Opportunity Employer and does not discriminate in hiring on the basis of sexual orientation.

RESEARCH SCIENTIST

A Research Scientist position (Ph.D., M.D., or equivalent) is available at the Deborah Research Institute. The position is the equivalent of an ASSOCIATE PROFES-

SCIENCE Global Career Network: Unless otherwise instructed, every classified advertisement submitted for publication in SCIENCE is automatically posted to SCIENCE’s on-line classified advertising service, SCIENCE Global Career Network, at no additional charge. SCIENCE Global Career Network address: WWW: http://www.scas.org

Mail, FAX or Email materials to: SCIENCE Classified Advertising 1200 New York Avenue, N.W., Room 911 Washington, DC 20005

FAX: 202-289-6742

Internet Email: science_classifieds@asas.org (please include your telephone number in Email)

SCIENCE reserves the right, at its discretion, to edit or decline to publish advertisements submitted to it.

For SYMPOSIUM AND ANNOUNCEMENT display advertisements, turn to page 385.

Credit Cards: SCIENCE accepts American Express, MasterCard and VISA. Discount does not apply to credit cards.

Cancellations: Deadline for cancellation is Tuesday, 10 days prior to issue date.

For line advertising deadlines, call Eric Banks. Telephone: (202) 326-6555; FAX: (202) 289-6742.

For SYMPOSIUM AND ANNOUNCEMENT display advertisements, turn to page 385.

Call for rate and deadline information on display classified advertisements.

Bethany Ritchey Recruitment Display Advertising Telephone: (202) 326-6541 FAX: (202) 289-6742

Janis Crowley Recruitment Advertising Manager Telephone: (212) 496-7704 FAX: (202) 289-6742

Debbie Cummings European Recruitment Advertising Telephone: +44 (0) 1223 302067 FAX: +44 (0) 1223 576208

Credit Cards: SCIENCE accepts American Express, MasterCard and VISA. Discount does not apply to credit cards.

Cancellations: Deadline for cancellation is Tuesday, 10 days prior to issue date.

For line advertising deadlines, call Eric Banks. Telephone: (202) 326-6555; FAX: (202) 289-6742.

SCIENCE Global Career Network: Unless otherwise instructed, every classified advertisement submitted for publication in SCIENCE is automatically posted to SCIENCE’s on-line classified advertising service, SCIENCE Global Career Network, at no additional charge. SCIENCE Global Career Network address: WWW: http://www.scas.org

Gopher: gopher.scas.org

Mail, FAX or Email materials to: SCIENCE Classified Advertising 1200 New York Avenue, N.W., Room 911 Washington, DC 20005

FAX: 202-289-6742

Internet Email: science_classifieds@asas.org (please include your telephone number in Email)
The Global Environment: Invitation for RITE Research Proposals

Research Institute of Innovative Technology for the Earth (RITE) is inviting basic research proposals dealing with global environmental problems. Also, research proposals deemed to contribute significantly to the resolution of global environmental problems will be supported by RITE in the form of entrusted research.

1. Category of Research
Basic research aimed at the development of innovative technologies that will contribute to the solution of global environmental problems.

2. Themes of Research

[A] Research concerning carbon dioxide, methane, and other greenhouse gases considered to be the primary causes of global warming:
1) Efficient separation, recovery, disposal, re-use, etc. of greenhouse gases.
2) Innovative process technologies that limit greenhouse gas generation.
3) Research concerning enhancement of CO2 sinks (eg, ocean sink, underground storage and reforestation through biotechnology).

[B] Research on other technologies concerning global environmental problems as follows:
1) Control of the generation and widespread release of chemical substances, apart from the greenhouse gases mentioned in [A], which are seriously detrimental to the environment, or prevention of generation of those substances.
2) Substitutes for the chemical substances mentioned above.
3) Recycling and effective utilization of materials.

3. Number of Research Proposals to be Accepted
The number of research proposals to be accepted will be determined after the governmental budget for FY 1997 has been confirmed. Thirteen new research proposals have been accepted for FY 1996.

4. Research Expenses for Entrusted Research
Up to 10 million Japanese yen will be allocated for each research proposal, although the entire cost of the research proposal may not be covered by RITE. Research expenses distributed for the research proposals accepted in FY 1996 ranged from 5 million to 7 million Japanese yen per research proposal, with an average of 6.33 million yen.

5. Deadline for the Submission of Applications
Applications must be received by RITE no later than October 31, 1996.

*Attention: Applications received post deadline will be returned unprocessed.

6. Period of the Entrusted Research
Period of the entrusted research will be from April 1997 to March 1998. If continuation is deemed necessary, however, RITE may entrust for the next year.

7. Qualified Research Participants
Individuals or groups engaged in research activities at research institutions, etc. are eligible. The applicants’ citizenship or proposed site for the research will not be considered as criteria for selection.

8. Application Procedure
Applicants are asked to contact the RITE Secretariat (as below) for further information on documents to be submitted and the prescribed form thereof. Facsimile transmission is preferred for speed of communication. Please include relevant Tel. and Fax. numbers with requests.

RITE Secretariat,
Mr. Y. Ikii
Research Proposals Reception Section
Research Planning Department
RITE
9-2 Kizugawadai, Kizu-cho, Soraku-gun, Kyoto, 619-02 JAPAN
TEL: +81-774-75-2302 FAX: +81-774-75-2314
SCIENTISTS/SENIOR SCIENTISTS
RESEARCH ASSOCIATES

Headquartered in the beautiful San Francisco Bay Area, Arris Pharmaceutical Corporation is an innovative biopharmaceutical company using an integrated, team-oriented approach to drug discovery. Our primary focus is on the discovery & development of small molecule protease inhibitors. The expansion of our efforts in this area has created several exciting career opportunities for a select group of talented research professionals to actively participate in the discovery and development of new therapeutics.

We offer extremely competitive salaries, full benefits, attractive equity participation and career advancement opportunities within a progressive, growing company. Please forward your resume to: Arris Pharmaceutical Corporation, HR Department, Attention: (Job#), 385 Oyster Point Blvd., Suite 3, South San Francisco, CA 94080.

Pharmacology
We are seeking talented and motivated pharmacologists to evaluate the company's lead compounds in various animal models of infectious disease (antibacterial/antiviral), bone disorders, cancer, inflammation and immune-mediated diseases. Working closely with a team of medicinal chemists, enzymologists, biochemists and molecular biologists, you will apply state-of-the-art technologies to elucidate the disease correlation of novel molecular targets, and help to bring suitable drug candidates to the clinical development stage. Candidates for Scientist/Sr. Scientist level must possess a Ph.D. with 1-5 years of postdoctoral and/or pharmaceutical drug discovery experience in one or more of the above disease areas. Research Associates are expected to have a BS/MS degree with appropriate experience in animal pharmacology. (Job# SM0719-PAG)

Cell Biology
We are seeking experienced cell biologists to evaluate the company's lead compounds in various in vitro models of infectious disease (antibacterial/antiviral), bone disorders, cancer, inflammation and immune-mediated diseases. Working closely with a team of medicinal chemists, enzymologists, biochemists and molecular biologists, you will characterize drug candidates in cellular systems. Candidates for Scientist/Senior Scientist level must possess a Ph.D. with 1-5 years of postdoctoral and/or pharmaceutical drug discovery experience in one or more of the above disease areas. Research Associates are expected to have a BS/MS degree with appropriate cell biology experience. (Job# SM0719-CB)

Pharmacokinetics
We have open positions for skilled scientists with hands-on experience in designing and executing pharmacokinetic studies and animal models for ADME. You will work closely with pharmacologists, enzymologists and medicinal chemists towards the characterization and pharmacokinetic optimization of potential drug candidates. Scientists/Sr. Scientists must possess a Ph.D. and 3-5 years of pharmaceutical experience in drug discovery/development. Research Associates should have a BS/MS degree with appropriate experience in pharmacokinetics and pharmacology. (Job# SM0719-PAC)

Bioanalytical Mass Spectroscopy
We are seeking a scientist with a BS/MS degree and 5+ years of pharmaceutical experience in operating and maintaining a dedicated PE-Sciex tandem mass spectrometer. Experience with methods development and validation of low level LC/MS and LC/MS-MS assays of pharmacokinetic samples is preferred. Experience in the identification of drug metabolites and in the simultaneous detection and analysis of small libraries is desirable. (Job# SM0719-BMS)

Arris Pharmaceutical is an Equal Opportunity Employer.
ASSOCIATE DEAN FOR BIOMEDICAL INFORMATION TECHNOLOGIES

Case Western Reserve University’s School of Medicine invites applications for the position of Associate Dean for Biomedical Information Technologies. Reporting to the Dean of the School of Medicine, the Associate Dean will lead the faculty and students of the School of Medicine in the development of electronic technologies that strengthen the school’s leadership in medical education and research. The overall goal of this office is to ensure that faculty and students use electronic media to enhance the effectiveness of the academic program and to provide necessary support and training for students and faculty for individual research and problem solving.

Qualifications: MD preferred with extensive background or degree in Biomedical Informatics and Computer Assisted Instruction strongly preferred. Successful applicant should have teaching experience in a major medical school and have knowledge of current trends in medical and computer technologies. Administrative and management experience is preferred. Salary will be commensurate with experience.

Letters of application (containing curriculum vitae and references) and nominations should be addressed to:

<table>
<thead>
<tr>
<th>Associate Dean for Biomedical Information Technologies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Search Committee</td>
</tr>
<tr>
<td>Attn: Elizabeth Jaszcak</td>
</tr>
<tr>
<td>Department of Human Resources</td>
</tr>
<tr>
<td>Case Western Reserve University</td>
</tr>
<tr>
<td>10900 Euclid Avenue</td>
</tr>
<tr>
<td>Cleveland, OH 44106-7047</td>
</tr>
</tbody>
</table>

In employment as in education, CWRU is committed to Affirmative Action and Equal Opportunity.

Postdoctoral Fellowships

The UNC Lineberger Comprehensive Cancer Center of the University of North Carolina at Chapel Hill will have openings in 1996-97 in its training program, now in its 22nd year, for persons completing graduate studies to train with excellent investigators in basic research in tumor virology, molecular carcinogenesis, molecular therapeutics, cancer cell biology, genomic and tumor immunology and research that interfaces with clinical and physical sciences. Training is available in DNA repair, replication and mutagenesis; regulation of cellular proliferation and differentiation including growth factors, signal transduction pathways and intercellular communication; molecular immunology; molecular genetics and epide- miology of cancer; and human disease models and gene therapy. Unique training resources and core facilities are supported by the NCI-designated UNC Lineberger Comprehensive Cancer Center.


Candidates must be U.S. citizens or permanent residents. For an informational brochure or to apply (include curriculum vitae, three letters of recommendation, a statement of research interests and graduate school records) write to:

<table>
<thead>
<tr>
<th>Joseph S. Pagano, M.D.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CB87295</td>
</tr>
<tr>
<td>UNC Lineberger Comprehensive Cancer Center</td>
</tr>
<tr>
<td>School of Medicine</td>
</tr>
<tr>
<td>University of North Carolina at Chapel Hill</td>
</tr>
<tr>
<td>Chapel Hill, NC 27599-7295</td>
</tr>
</tbody>
</table>

UNC’s Comprehensive Cancer Center is an Affirmative Action/Equal Opportunity Employer. Minority applicants are encouraged to voluntarily identify themselves.
Our agricultural products are redefining the limits of biotechnology on a daily basis.

We’re Ceregen.

As a subsidiary of the Fortune 100 Monsanto Company, Ceregen is a world leader in the discovery and development of agricultural products based on advanced chemistry and biotechnology. Along with the opportunity to push our technologies and our products to the limits, we can offer the following:

**RESEARCH SCIENTIST**

Working with scientists with expertise in gene expression, plant development, plant growth regulators, plant transformation, molecular biology and biochemistry, you will research and develop products related to plant lipid metabolism. We require a Ph.D. with postdoctoral experience or a MS with extensive research experience in Biochemistry or a related discipline. Additional knowledge of enzymology, assay development, protein biochemistry, and hands-on experience with various biochemical analyses is a must. Knowledge of plant biology and physiology is a plus. (Job # RSSB)

**PROTEIN BIOCHEMIST I**

As part of our disease control team, you will provide expertise and experimental support to the discovery and development of novel proteins for plant disease control. We require a MS in Biochemistry or a related discipline along with 3+ years of laboratory experience and experience in protein purification from microbial and plant sources. Additional knowledge of protein assay development, protein characterization, protein sequence determination and antibody production is essential. You will also need experience operating HPLC, FPLC and other state-of-the-art equipment. Molecular biology experience is a plus. (Job # PB1)

**PROTEIN BIOCHEMIST II**

As part of our disease control team, you will provide expertise and experimental support to the discovery and development of novel proteins for plant disease control. We require a Ph.D. in Biochemistry or a related discipline along with 3 years of postdoctoral research experience including protein purification from microbial and plant sources. Additional knowledge of protein assay development, protein characterization, protein sequence determination and antibody production is essential. You will also need experience operating HPLC, FPLC and other state-of-the-art equipment. Molecular biology experience is a plus. (Job # PB2)

Along with a chance to explore the cutting-edge, Ceregen offers competitive salaries and comprehensive benefits. For consideration, please send a resume, indicating job #, to: Monsanto, Human Resources, Attn: LMH, Job # __________, Mail Zone C2NB, St. Louis, MO 63167. An Equal Opportunity Employer.

---

**SCIENTIFIC DISCOVERY**

**San Francisco Bay Area**

Athena Neurosciences, Inc. is a growing biotechnology-based company committed to the discovery and development of new products to diagnose and treat diseases of the central nervous system. We have excellent opportunities for experienced professionals in our South San Francisco facility.

**Formulation Scientist**

- **Pharmacology** -

You will serve as a resource for our Pharmacology Department and assist with pre-clinical formulation research. You will also support our ongoing synthetic chemistry efforts by providing bio-analytical support for log P & pKa determinations. Candidates must possess a pharmacy or pharmacology degree, or equivalent (Masters preferred); at least 4 years of hands-on pharmaceutical laboratory experience (industry preferred); a high degree of expertise measuring solubility, LogP & pKa, physical forms of test compounds (particle size & crystallinity); and drug stability; demonstrated experience using non aqueous solvent systems (Tween, Cyclodextrin, etc.) and surfactants & co-solvents; familiarity with USP formulations; and proficiency with analytical HPLC. (Job # SCI1719-FS)

**Experimental Pharmacologist**

- **Pharmacology** -

We are seeking an in vivo CNS pharmacologist with a Ph.D. and at least 4 years of experience within the pharmaceutical industry. Ideal candidates will be familiar with experimental models of neurological diseases (e.g. Alzheimer’s, Multiple Sclerosis, Parkinson’s) and have extensive experience within drug discovery programs. The ability to be part of a multidisciplinary team of pharmacologists, medicinal chemists and neurobiologists is essential. A working knowledge of surgical techniques and animal models of inflammation would be an advantage. (Job # SCI1719-EP)

**Scientist**

- **Medicinal Chemistry** -

You will be responsible for the design, synthesis, purification and isolation of novel organic compounds for pharmacological evaluation. The position requires a Ph.D. in synthetic organic chemistry and experience in broad areas of organic synthesis. Qualified candidates must have a strong desire to excel and the potential to make substantial contributions in breakthrough areas of drug research. The ability to interact effectively with our multidisciplinary team of scientists is essential. 1-3 years of directly relevant postdoctoral study or equivalent industrial experience is preferred. (Job # SCI1719-SCI)

**Research Assistant/Associate**

- **Medicinal Chemistry** -

The successful candidate will be responsible for synthesis, purification, and structural identification of chemical intermediates and target compounds required for drug discovery screens. The position requires a BA/BS in chemistry and 0-5 years’ related experience, or a MS and 0-2 years’ experience. Qualified candidates must possess experience with routine organic chemistry synthesis techniques, chemical purification (chromatography, crystallization), and compound identification (NMR, IR, mass spectrometry). Must be able to work effectively as part of a research team and possess excellent written/verbal communication skills. (Job # SCI1719-RA)

Athena offers an innovative and exciting professional, scientific environment in addition to competitive salaries and benefits. Please send resume to: Athena Neurosciences, Inc., Human Resources, Attn: Job#, 800 Gateway Blvd., South San Francisco, CA 94080. EOE
Join the QIAGEN Team

Take advantage of expanding opportunities in the molecular research markets! QIAGEN, the world wide leader in nucleic acid purification, is seeking highly motivated and talented individuals to join our team. QIAGEN is committed to providing high quality, innovative purification products to the molecular biology and molecular diagnostic research communities.

Technical Service Manager: Responsibilities include training, supervision, and evaluation of BS/MS/PhD level specialists in providing technical support for QIAGEN's product line. Also responsible for technical training of all QIAGEN employees and giving public seminars on QIAGEN products. Qualifications must include a PhD/MS in molecular biology or related discipline, postdoctoral research experience or molecular biology lab experience equivalent to five years, and at least two years of management experience preferred. Outstanding communication skills including presentation and writing skills required (Reference TSM-0796).

Product Manager: Responsibilities include market conceptualization, coordinating product launches, contacting customers, and supporting the sales team. Knowledge of PCR products required. Thirty percent travel is typical. Prior marketing/sales experience and outstanding communication skills are required. MS/BS degree and two years of lab experience in molecular biology or related fields (Reference PM-0796).

Associate Product Manager—Molecular Biology: Responsibilities include assisting in market conceptualization, coordinating product launches, contacting customers, and supporting the sales team. Knowledge of a variety of molecular biology techniques, particularly plasmid purification, and/or two years of sales or marketing experience is required. Outstanding communication skills are also required. Thirty percent travel is typical. Applicants should have an MS/BS degree in a molecular biology related field (Reference APM/MB-0796).

QIAGEN offers a competitive compensation package.

Please send résumé to: Human Resources, (Reference #), QIAGEN Inc., 9600 De Soto Ave., Chatsworth, CA 91311.
**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
email: edward_berger@nih.gov

NIH is an Equal Opportunity Employer.

---

**Inex Pharmaceuticals Corporation** is an innovative leader in the development of systems for the targeted delivery of biologically active agents in vivo. This includes the intracellular delivery of antisense oligonucleotides and DNA vectors. Gene therapy is the central focus of the company. Applicants are invited for the following positions:

**Section Leader—Immunology**

A supervisory position requiring an accomplished scientific leader to set up the Immunology Group. Ph.D. and at least 4 years of research/industrial experience in the field of Immunology, Microbiology, Biochemistry, Cell Biology, or Virology. A strong publication record, excellent communication skills, and proven supervisory and project management abilities are essential. This position will focus on the development of humoral and cellular immune assays, in vivo immune mechanisms, and animal models of immune induction. Candidates with experience in gene therapy applications and/or vaccine development are encouraged to apply.

**Research Scientist—Tumour/Cell Biologist**

We are seeking an individual with 0-5 years of postdoctoral research/industrial experience with an interest in developing targeted carrier systems for the delivery of anti-cancer drugs or DNA. Experience with animal models is an asset. Working knowledge in the following areas would be an asset: cell biology, tumour biology, pharmacology. We are looking for an innovator and a team player interested in working in a highly productive team environment.

**Research Scientist—Molecular Biology**

The person appointed will have at least 2 years of postdoctoral research/industrial experience in viral gene expression and replication, development of model assay systems, and viral structure-function knowledge. Must be an RNA or DNA virus expert. Experience with recombinant protein production an asset. Must have excellent presentation skills and ability to interact within highly productive team environment.

**Research Scientist—Cell Biologist**

The person appointed will have 0-4 years of postdoctoral experience in cell biology with an emphasis on intracellular trafficking of nucleic acids. Experience in one or more of the following areas: nuclear import/export of nuclear proteins, RNA; gene transfer; virology: viral mechanism of nuclear targeting. Knowledge of molecular biology and/or biochemistry of nuclear pore complexes an asset.

**Research Scientist**

The person appointed will have 0-4 years of postdoctoral experience in cell biology, biochemistry, or immunology. Experience in one or more of the following areas: signal transduction, oncogenes, tumor biology, antisense, ribozymes. Experience with cancer biology or cell adhesion molecules would be an asset.

Interested applicants should send resumes to:

Human Resource Manager, Inex Pharmaceuticals Corporation, 1779 West 75th Avenue, Vancouver, British Columbia, V6P 6Z2 Canada, or fax: 604-264-9690 or email: yaroshev@inexp rharm.com

We thank all for their interest; only candidates considered for interviews will be contacted.
DIRECTOR OF ANIMAL RESOURCES

The University of Chicago invites applications for a FACULTY POSITION as Director of the Animal Resources Center. The Center is responsible for the care and housing of all laboratory animals and is currently supported by seven faculty veterinarians and a staff of 65. The University supports over 600 animal research protocols, funded by greater than $45,000,000 annually, with approximately 10,000 square feet, with a census of approximately 25,000 animals. The Animal Resources Center is the service arm of the Committee on Comparative Medicine and Pathology, an academic unit whose mission includes research and teaching. The successful candidate will be expected to contribute to teaching and/or training programs, and will be encouraged to pursue independent or collaborative research.

DIRECTOR OF VECTOR CORE

Institute for Human Gene Therapy
University of Pennsylvania Health System
Manage a research laboratory that develops vectors and services the research community. Ph.D. in virology or molecular biology with proven management skills. Applicants with 5+ years experience as senior staff with adjunct faculty appointment. Interested applicants should forward letter and curriculum vitae to:

James M. Wilson, M.D., Ph.D.
Institute for Human Gene Therapy
Wistar Institute, Room 204
3601 Spruce Street
Philadelphia, PA 19104-4268
Affirmative Action/Equal Opportunity Employer

MOLECULAR BIOLOGIST

The Department of Experimental Radiation Oncology at the University of Texas M. D. Anderson Cancer Center, in an effort to develop solid tumor research, is accepting applications for a faculty position at the ASSISTANT/ASSOCIATE PROFESSOR level. We are seeking a scientist with a record of independent research experience in the area of experimental radiobiology or radiation oncology. Applicants should send a description of research interests, curriculum vitae, and the names of at least three references to: Luka Milas, M.D., Ph.D., Department of Experimental Radiation Oncology, Box 66, U. T. M. D. Anderson Cancer Center, 1515 Holcombe Boulevard, Houston, TX 77030. The University of Texas M. D. Anderson Cancer Center is an Equal Opportunity/Affirmative Action Employer.

SENIOR FACULTY POSITION

The Department of Chemistry, Biochemistry, and Molecular Biology, at Louisiana State University, invites applications for a tenured faculty position at the ASSOCIATE PROFESSOR level, with a focus on the areas of biological chemistry and biochemistry. Interested candidates should send a letter of application, including a description of research and teaching experiences, to: Dr. I. M. B. Driscoll, Department of Chemistry, Louisiana State University, Baton Rouge, LA 70803. The University of Louisiana at Baton Rouge is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION

Division of Basic Sciences
Fred Hutchinson Cancer Research Center
The Division of Basic Sciences of the Fred Hutchinson Cancer Research Center (FHCRC) is soliciting applications for an open faculty position at the ASSISTANT or ASSOCIATE PROFESSOR level. Applicants with outstanding accomplishments in any field of molecular, cellular, and/or developmental biology will be considered. Candidates should send a curriculum vitae and three letters of reference to: Faculty Search Committee, Fred Hutchinson Cancer Research Center, 1124 Columbia Street, Seattle, WA 98104. Application deadline: October 31, 1996. FHCRC is an Equal Opportunity Employer committed to workforce diversity.

PEDiATRIC PhYSiCiCiANS

The University of Kentucky College of Medicine is interested in recruiting pediatricians (M.D. or M.D., Ph.D.) who are committed to laboratory investigations in areas of cancer, genetic and metabolic diseases, neuro- science, heart disease, diabetes, and/or other disorders of pediatric health. The successful candidate should be related to one of the above subspecialty disciplines or in neonatology or critical care. Laboratory space, protected time, and/or research support is available depending on the level of commitment or mentorship by senior investigators, and substantial intramural funding is available. Junior investigators with potential for extramural funding or senior investigators with active funding are encouraged to apply. Actions with other faculty in clinical/basic science departments as well as the Sanders-Brown Center for Aging, Markey Cancer Center, School of Biological Sciences, and College of Pharmacy are particularly stimulating and backing research environment. Permanent visa/citizenship is required. Interested individuals should send curriculum vitae and statement of past experience and future plans to: V. Mankad, Chairman, Department of Pediatrics, University of Kentucky Medical Center, 800 Rose Street, Lexington, KY 40536-0284.

CHIEF SCIENTIFIC OFFICER

Northwest NeuroLogic, a growing startup biotechnology company located in Portland, Oregon, is seeking an energetic, hands-ON CHIEF SCIENTIFIC OFFICER to manage development of a novel technology, targeting neuro-transmitter transporters and G-protein linked receptors. Candidates should have a Ph.D. and a strong background in molecular pharmacology. Ten years of experience is required; pharmaceutical or biotechnology industry background is a plus. Qualified candidates should also have strong communication and presentation skills as well as experience in strategic planning and new product development. Salary is commensurate with experience. Please send curriculum vitae to: Dr. Paul Woloshin, Northwest NeuroLogic, Inc., 2611 SW Third Avenue, Suite 200, Portland, OR 97201.
Announcement

1996-'97
AAAS Award for Public Understanding of Science and Technology

Nominations Invited

- An annual Award for working scientists and engineers from all disciplines who make outstanding contributions to public understanding of science and technology but are not members of the media.
- Contributions should have a significant impact on the public; be accurate, timely, and innovative; and convey the meaning, excitement, and significance of scientific activity.
- The Award will be presented during the AAAS Annual Meeting in Seattle, WA, February 13-18, 1997.
- The Award carries a $5,000 prize.

1995 Award Winner: Carl Sagan

For additional information, contact: Amie King, Project Director, American Association for the Advancement of Science, 1200 New York Avenue, NW, Washington, DC 20005, telephone (202) 326-6667, or fax (202) 371-9849.

Deadline for nominations is August 1, 1996.

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: MEETINGS@HERL45.HERLEPA.GOV

Scientists Positions

Immusol Inc., located in the coastal city of San Diego and strategically positioned in one of the country's top biotechnology research communities, is a fast growing biotech company. We are best known for our leading position in the development of ribozyme gene therapy for the treatment of human diseases including HIV infection.

Several positions for research scientists and research associates are available for our new research programs. The former positions require a Ph.D. degree plus several years of research experience in Molecular Biology and/or Virology. We are looking for team players with creative scientific mind and an enthusiastic working attitude. Experience in catalytic RNA is highly desirable. We offer an attractive compensation package including stock options. Please send a letter of interest describing how you meet these qualifications and your resume with a list of three references to:

Human Resources
Immusol, Inc.
3050 Science Park Road
San Diego, CA 92121

Immusol Incorporated
ASSISTANT OR ASSOCIATE PROFESSOR

The Department of Physiology and Pharmacology, School of Medicine, Oregon Health Sciences University (OHSU), invites applications for a full-time TENURE-TRACK position at the rank of Assistant or Associate Professor. The department and will hire the most competitive individual based on his or her research program and letters of reference, but would prefer someone with training and experience in state-of-the-art research in pharmacology and an interest in applying new discoveries to the biology of cardiovascular, nervous, and reproductive systems. The successful candidate will be expected to participate in the teaching and educate students and to teach cardiovascular pharmacology.

Candidates holding a doctoral degree in a relevant discipline and a letter of interest, a statement of research interests and teaching experience, curriculum vitae, and the names and addresses of three professional references to: Dr. George D. Olsen, Chair of Search Committee, Department of Physiology and Pharmacology, L211, The Oregon Health Sciences University, 3181 S.W. Sam Jackson Park Road, Portland, OR 97201-3098. Application deadline is October 15, 1996. OHSU is an Affirmative Action/Equal Opportunity Employer.

RESEARCH PLANT PATHOLOGIST

USDA, Agricultural Research Service (ARS), Wheat, Sorghum and Forage Research Unit, Lincoln, Nebraska, is seeking a permanent, full-time (40 hours per week) Research Plant Pathologist, GS-13 (promotion potential GS-14), salary range $39,910 to $67,491 per annum. The incumbent is the LEAD SCIENTIST of a CRS project that conducts basic and applied research on reducing economic losses of wheat to diseases caused by viruses and other pathogens. The candidate will be expected to conduct fundamental research in the areas of virology and plant disease with a focus on pathogen genetics and pathogenesis and to collaborate with other pathologists in developing new strategic and operational research with plant pathologists to develop new products that are resistant to viruses. Utilize this technology with geneticists and breeders in cooperative studies on the development of more resistant varieties. Participate in the development of management practices to control virus resistance. Participate with oncometologists on cooperative studies on the interactions of insect vectors, viruses, and hosts plants. Supervise and participate in the development of molecular approaches and gene constructs that, via plant transformation, can provide resistance to major diseases. The incumbent supervises research associates, technicians, and other assigned support personnel of the project. All candidates must have a Ph.D. in plant pathology or a related scientific discipline that included at least 20 semester hours in basic botany or plant science, and 10 semester hours in plant pathology and one year of specific research experience. The salary range is $39,910 to $67,491 per annum in order to answer specific Selective Placement Factors. Applications may be in the form of a résumé, curriculum vitae, or OF-612 (SF-171) would be accepted. OHSU/ARS is an Equal Opportunity Employer and does not discriminate in hiring on the basis of sexual orientation.

SOIL SCIENTIST (GS-470-11/12) USDA-ARS, U.S. Salinity Laboratory, Riverside, California is seeking a research scientist to conduct innovative basic and applied research on strategies to decrease the use of water, salt and related chemicals that affect the transport and fate of pesticides, soil surfactants, and other chemicals in irrigated agricultural soils. The incumbent will conceive, plan, design, and conduct experiments to study the interactions of soil, microorganisms, processes, and factors affecting pesticide movement in irrigated systems. Must be a U.S. citizen. A Ph.D. is highly desirable. Knowledge of soil physics, hydrology, agricultural engineering, and chemistry relating to the movement of water, heat, and chemicals in irrigated systems. Salary is commensurate with experience ($37,000 to $44,000), and federal employee benefits. For more information call: Gladys Greer, Administrative Officer, Telephone 909-369-4813 no later than August 21, 1996. USDA/ARS is an Equal Opportunity Employer; women and minorities are encouraged to apply.

INDUSTRIAL RESEARCH SCIENTIST

ChemGen Corp. is seeking a highly motivated Ph.D. scientist to join a project team developing a fermentation process for the production of a pharmaceutical intermediate using an engineered E. coli. The work will involve gene cloning and expression, microbial genetics, enzymology, fermentation, and recovery process development. Strong experimental skills and the ability to meet deadlines are required. Experience in industrial fermentation is preferred. ChemGen is an 11-year-old, successful, employee-owned corporation with patented products sold internationally. We are dedicated to the application of biotechnology to meet the needs of the bioprocessing and bioindustrial markets. If you like challenging projects involving interdisciplinary goal-oriented research and development, investigate joining ChemGen. Please respond with your curriculum vitae and three personal references to ChemGen Corp., 211 Perry Parkway, Gaithersburg, MD 20877-2144. Equal Opportunity Employer.

POSTDOCTORAL TRAINING CLINICAL CHEMISTRY

One position available on July 1, 1997 for basic scientist or physician interested in career as laboratory director in academic Laboratory Medicine. Our two-year program provides practical experience in clinical chemistry laboratories and extends relevant basic scientific knowledge. Write to: Margaret A. Kenny, Ph.D., Co-Director, Chemistry Program, Laboratory Medicine Department of Laboratory Medicine Box 35710, University of Washington, Seattle, WA 98195-7110. The University of Washington is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION

A POSTDOCTORAL POSITION is available immediately for a motivated researcher interested in the role of neuronal excitability in learning and memory. The laboratory of Dr. Bruce S. McEwen in the Department of Neurobiology and Behavior at The Rockefeller University is searching for a postdoctoral scientist with relevant experience to participate in a project investigating the molecular, cellular, and neurochemical mechanisms underlying synaptic plasticity and memory. The successful candidate will work with an experienced team of researchers and be expected to develop independent research projects. The position involves working closely with other scientists in the laboratory and collaborating with faculty in other disciplines. The candidate will be expected to prepare manuscripts for publication in peer-reviewed journals. Applicants should have a Ph.D. or M.D. or equivalent degree in neuroscience or a related field. Preference will be given to candidates with expertise in molecular, cellular, or neurochemical approaches. Applications are encouraged from women and members of minority groups. Applicants must submit a curriculum vitae, a statement of their research interests and projects, and the names and contact information of three references to: Dr. Bruce S. McEwen, Laboratory of Neurobiology and Behavior, Rockefeller University, 1230 York Avenue, New York, NY 10021. The Rockefeller University is an Equal Opportunity / Affirmative Action Employer.
United States Department of Agriculture

Agricultural Research Service

NATIONAL PROGRAM LEADER (OILSEEDS AND PLANT BIOSCIENCE)

The National Program Staff, Agricultural Research Service, USDA is seeking applicants for the position of National Program Leader (Oilseeds and Plant Bioscience), Plant Sciences Staff, at Beltsville, MD. The incumbent will provide national leadership and coordination of agricultural research programs relating to oilseed crops, new crops development, and plant bioscience; the latter includes fundamental and biological and molecular genetic approaches to agricultural problems. The appointment is a permanent full-time position and requires U.S. citizenship. Candidates must possess 1) a Bachelor's degree or higher (a Ph.D. is desirable) in plant physiology, plant pathology, genetics, or agronomy and 2) specialized experience directly related to the position. Candidates must have research experience with one or more of the major oilseed crops and knowledge of plant molecular biology or molecular genetics, as well as demonstrated ability to administratively lead and coordinate research programs. For specific qualifications see vacancy announcement.

Salary commensurate with experience ($62,473 to $95,531). For information, contact Dr. J. B. St. John, (301) 504-6252, fax: (301) 504-6191, or email: jsj@ars.usda.gov. For an application package with complete qualification requirements and instructions, contact the Human Resources Division, (301) 344-4638 or (301) 344-2288 and request vacancy announcement number ARS-H-6-021. Applications must be marked ARS-H-6-021-B606 and be postmarked by August 12, 1996.

NATIONAL PROGRAM LEADER (WEED SCIENCE)

The National Program Staff, Agricultural Research Service, USDA is seeking applicants for the position of National Program Leader (Weed Science), Plant Sciences Staff, at Beltsville, MD. The incumbent will provide national leadership and coordination of agricultural research programs relating to weed science. The appointment is a permanent full-time position and requires U.S. citizenship. Candidates must possess 1) a Bachelor's degree or higher (a Ph.D. is desirable) in plant physiology, plant pathology, ecology, entomology, or agronomy and 2) specialized experience directly related to the position. Candidates must have research experience with integrated approaches to weed management and control, as well as demonstrated ability to administratively lead and coordinate research programs. For specific qualifications see vacancy announcement. Salary commensurate with experience ($62,473 to $95,531). For information, contact Dr. J. B. St. John, (301) 504-6252, fax: (301) 504-6191, or email: jsj@ars.usda.gov. For an application package with complete qualification requirements and instructions, contact the Human Resources Division, (301) 344-4638 or (301) 344-2288 and request vacancy announcement number ARS-H-6-020. Applications must be marked ARS-H-6-021-B607 and be postmarked by August 12, 1996.

USDA/ARS is an Equal Opportunity Employer
POSTDOCTORAL POSITION
Molecular Biology of Membrane Proteins

POSTDOCTORAL POSITION(S) are available to develop and apply modern techniques of molecular biology and protein chemistry to study structural aspects (topology, folding, organization of ligand binding domains) and dynamics of cation-transporting P-type ATPases. Strong background in molecular biology and/or protein chemistry required. Send curriculum vitae and names of three references to:

Professor Jack H. Kaplan, Ph.D., E.R.S.
Department of Biochemistry and Molecular Biology, L224
Oregon Health Sciences University
3181 S.W. Sam Jackson Park Road
Portland, OR 97201-3098

EUkARYOTIC TRANSCRIPTION MECHANISMS


POSTDOCTORAL FELLOWSHIP

Position available to study the mechanism of gene regulation by transcription factors belonging to the steroid/thyroid receptor superfamily. A strong background in molecular and cellular biology and familiarity with recombinant plasmid construction, gene transfection, DNA-protein interaction assays, and data analysis and purification are required. Send curriculum vitae and names and addresses of three references to: Dr. Milan Bagchi, The Population Council, Center for Biomedical Research, 433 East 61st Street, New York, NY 10021. An Equal Opportunity/Affirmative Action Employer. Minority/Females.

POSTDOCTORAL/RESEARCH ASSOCIATE POSITION

Immunology/Virology/Multiple Sclerosis FELLOWSHIP:
The MS Center at The New York Hospital–Cornell University Medical College is seeking qualified scientists to conduct basic research in immunology and multiple sclerosis appropriate for junior faculty position and lab directorship. Accepting applicants with Ph.D. and/or M.D. degree and strong training in immunology/microbiology, virology, molecular biology, and neurology. Contact: Brian R. Apatoff, M.D., Ph.D., Department of Neurology and Neuroscience, Telephone: 212-746-4504; FAX: 212-746-8031; Email: medcornell.edu. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITIONS
MAMMALIAN FERTILIZATION

Mount Sinai School of Medicine
Department of Cell Biology and Anatomy

Applications are requested for POSTDOCTORAL FELLOW positions from applicants with experience in molecular biology and transgenic mouse research to investigate effects of species-specific fertilization in mammals. Please send your curriculum vitae and the names of three references to: Dr. Paul M. Wassarman, Department of Cell Biology and Anatomy, Mount Sinai School of Medicine, One Gustave Levy Place, New York, NY 10029-6574. Equal Opportunity Employer.

POSTDOCTORAL POSITION—Position available to study the regulation and effects of glutathione nitrosation in airway epithelial cells. Experience with cell culture, biochemical assays, and molecular methods required; interest in physiologic/techniques and in signal transduction studies and smooth muscle bioassays, ideal. Send curriculum vitae, a brief letter stating career goals, and addresses for three letters of reference to: Benjamin Gaston, M.D., University of Virginia School of Medicine, 666 N. 11th St., Rm. 4/Room 2023, Charlottesville, VA 22908. The University of Virginia is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION
In vitro protein evolution. Ph.D. in biochemistry or molecular biology and experience with molecular evolution, characterization methods. Send curriculum vita and names of three references to Dr. H. Arnold, Division of Chemistry and Chemical Engineering 210-41, California Institute of Technology, Pasadena, CA 91125. Caltech is an Equal Opportunity/Affirmative Action Employer.

A POSTDOCTORAL POSITION is available immediately in the Division of Clinical Pharmacology and Toxicology, Research Institute, The Hospital for Sick Children, Toronto, for a project funded by the National Cancer Institute of Canada to study molecular and cellular mechanisms of cancerigenesis. Extensive research experience in molecular biology and transgenic/knockout experiments is essential. A background in protein biochemistry, cell biology, and/or drug metabolism is also desirable. Send curriculum vita and three references by mail, or preferably by FAX or Email, to: Dr. Dan D. Wassarman, Division of Clinical Pharmacology and Toxicology, Research Institute, The Hospital for Sick Children, 555 University Avenue, Toronto, Ontario MS5 1X8 Canada. FAX: 416-813-7562; Email: grant@kidds.ics.ca. Applicants with Canadian Immigration requirement, this advertisement is directed to Canadian citizens and permanent residents of Canada.

POSTDOCTORAL FELLOW

A position is available for research on membrane mechanisms underlying sensory transduction in olfactory receptor neurons, with collaborative studies on the molecular biology of G-protein-linked olfactory receptors and cyclic nucleotide gated channels. Candidates should have a strong background in patch recording and/or Ca imaging techniques. Send curriculum vita and names of three references to: Dr. John Wassarman, Department of Neurobiology, Yale Medical School, 333 Cedar Street, New Haven, CT 06510. Email: gordon@yale.edu. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION available immediately for a candidate with a Ph.D. in Molecular Biology and a strong interest in oncogenes and their role in oncogenesis (Molec. Cell Biol., 14:743, 1994). Candidates must hold a Ph.D. degree with laboratory experience in molecular biology. Background in promoter analysis and gene regulation preferred. Send curriculum vita with the names of three references to: Dr. David S. Askew, Department of Pathology and Laboratory Medicine, University of Cincinnati, P.O. Box 670829, Cincinnati, OH 45267-0529.

POSTDOCTORAL POSITION available in neurodegeneration and neuroprotection research. The successful candidate will be involved in investigating cellular/ molecular mechanisms underlying neurodegeneration and neuroprotection in Parkinson’s disease models, apoptosis, and demyelination and regulation of neurotransmitter transporters in health and disease. Candidates need a Ph.D. degree in one of the biological sciences, experience in molecular biology, and fluency in the English language. Submit curriculum vita, statement of research interests, and names of references to: Jay S. Schneider, Ph.D., Department of Neurobiology and Anatomy, Allegheny University of Health Sciences, M.S., 20th and Vine Streets, Philadelphia, PA 19102. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION available to join an ongoing NIH-funded project investigating the role of the homedomain transcription factors MSXI and MSX2 in mammalian craniofacial development using tissue/organ cultures, gene targeting, and differential expression in developing embryos and species-specific chimeras. Send cover letter, curriculum vitae, and three reference letters directly to: Gregg L. Semenza, M.D., Ph.D., Center for Medical Genetics, CMSC-1004, Johns Hopkins University School of Medicine, 600 North Wolfe Street, Baltimore, MD 21287-3914. FAX: 410-955-0484.

MOLECULAR BIOLOGY

POSTDOCTORAL RESEARCH ASSOCIATE to join a group studying RNA-protein interactions that control translation and mRNA localization, gene targeting of oligonucleotides, and methods for developing novel contraceptives. Send curriculum vita and names of two references to: Norman B. Heat, Biology Department, Tufts University, Medford, MA 02155.

SCHIZOPHRENIA/HUMAN BRAIN PROJECT

POSTDOCTORAL POSITION available immediately to work on the neuropathology of schizophrenia in an ongoing program. Two or more years of experience in neuroanatomy and/or molecular biology preferred. Suitable for candidates with interests in morphometry/data basing, M.D. or Ph.D.

Send curriculum vitae and three references to:

Dr. Edward G. Jones
Department of Neuroanatomy and Neurobiology
College of Medicine
University of California, Irvine
132 Irvine Hall
Irvine, CA 92697-1280

VISION RESEARCH POSTDOCTORAL POSITION

Applications are invited for a POSTDOCTORAL POSITION to study motion and colour perception and/or perceptual aspects related to oculomotor function in humans. The position is for one year, with possible renewal for a second year. Please forward a cover letter indicating research interests along with a curriculum vitae and names/telephone numbers of two references to: Dr. Avi Chaudhuri, Department of Psychology, McGill University, 1205 Dr. Penfield Avenue, Montreal, Quebec H3A 1B1 Canada. Email: avii@hebb.psych.mcgill.ca; http://www.psych.mcgill.ca/labs/chaudhuri/homepage.cbl.html.

POSTDOCTORAL POSITION

Study signal transduction in gap junctional communication regulated cell proliferation. Molecular biologist experienced in a confocal microscopic display, 2D-PAGE and receptor biology. Send/fax resume with names and telephone numbers of three references to: Shu-Chih Chen, Ph.D., Molecular Medicine, North West Hospital, 55 Northgate Plaza, Suite 230, Seattle, WA 98125. FAX: 206-368-3009; Email: schen@fred. fhcrc.org.

ANTICIPATED POSTDOCTORAL RESEARCHER

A position is available to conduct research on proteins involved in DNA repair (EMBO J., 18:2306, 1996). Candidates should have experience in molecular biology and nucleic acid biochemistry. Qualified applicants should forward curriculum vitae and the names and telephone numbers of three references to: Evelyn Bennett, Assistant Director, HRM, Reference: Deutsch, Pennington Biomedical Research Center, 6400 Perkins Road, Baton Rouge, LA 70808. LSU/Pennington Biomedical Research Center is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION available to study cellular regulation of autoimmune diabetes in insulin-deficient and neonatal diabetes mellitus models of IDDMD. Ph.D. or M.D. degree required with background in cellular immunology including flow cytometry, cytokine assays, cell culture, and handling of animal models. Excellent English language skills. Send curriculum vitae to: Kevan C. Herold, M.D., The University of Illinois at Chicago, 1819 West Polk Street, M/D 640, Chicago, IL 60612. Email: kherold@uic.edu.

POSTDOCTORAL POSITION
University of California San Francisco

A POSTDOCTORAL POSITION is available to study the histological and dimensional structure of metiotic and mitotic chromosomes and other cellular components using IVM tomography. Our goal is to combine structural data with biochemical and genetic information to develop a better understanding of the molecular basis for function. Requirements include an interest in cell biology as well as electron microscopy and/or image processing. We offer a competitive salary and excellent benefits package. Please send your resume and three references to: Dr. David Agard, University of California San Francisco, 513 Parnassus Avenue, San Francisco, CA 94143-0448. Equal Opportunity Employer.

POSTDOCTORAL POSITION

in molecular pathology available to study mitochondrial DNA replication proteins in trypanosomes. Ph.D. in biochemistry or molecular biology, experience in protein purification, and excellent oral and written communication skills required. Send curriculum vitae and names of three references to: Dr. Dan S. Ray, Molecular Biology Institute, UCLA, Los Angeles, CA 90095-1870. Email: danray@mbi.ucla.edu.
NATIONAL CANCER INSTITUTE
DIVISION OF BASIC SCIENCES
BETHESDA, MARYLAND
Opening Date: June 17, 1996
Closing Date: August 5, 1996
Announcement Number: CA-96-00094

SENIOR SCIENTIST
LABORATORY OF CELLULAR AND MOLECULAR BIOLOGY

The Division of Basic Science (DBS), National Cancer Institute (NCI), National Institutes of Health (NIH), is seeking an outstanding individual to fill a Senior Scientist position in the Laboratory of Cellular and Molecular Biology; Chief, Jacalyn H. Pierce, Ph.D. Candidates should be internationally recognized for their expertise, leadership, and collaborative capabilities in the area of signal transduction.

The goal of his/her research program will be to investigate topics involving growth factor and cytokine receptor structure/function, tyrosine and serine/threonine kinases and phosphatases, identification and analysis of downstream effector molecules such as those in the JAK/STAT and Ras/MAP kinase pathways, and nuclear events that occur as the result of activation of different signaling cascades. Emphasis will be placed on the role of signal transduction pathways in the development of cancer.

The selected scientist will be responsible for ensuring the effective functioning of his/her program by creating and maintaining an interactive scientific environment that supports and enhances the research projects of the investigators within the program. The selected scientist is someone who possesses excellent scientific judgment, is able to recruit and mentor the best scientists, and possesses strong managerial skills.

Candidates must possess a medical and/or other doctoral-level degree in a biomedical or related field. In addition, candidates must be either U.S. citizens, citizens of treaty allied countries, or nonresident aliens with valid work visas. Total annual compensation will be commensurate with education and experience and ranges from $52,867 to $148,400.

Applicants should send a cover letter of interest in the position, a statement of research interests, curriculum vitae, bibliography, and the names and addresses of five individuals who can be contacted as references. Letters of reference should not be submitted by the applicant. This material should be sent to:

Ms. Toni McKeown
National Cancer Institute
Human Resources Management Branch
6120 Executive Boulevard
Room 537, EPS
Rockville, MD 20852

Applications may also be faxed to (301) 402-9333.

If you need additional information, please call Ms. Toni McKeown, NCI Human Resources Management Consulting Branch, on (301) 402-2812.

Selection for this position will be based solely on merit, with no discrimination for non-merit reasons such as race, color, gender, national origin, age, religion, sexual orientation, or physical or mental disability.

NIH is an Equal Opportunity Employer

THE WORLD DEPENDS ON THE Commitment Of Our Scientists.

At Abbott Laboratories, our professionals are researching, developing and marketing the health care products that will make a significant impact on generations to come. The Immunoscience Research Area is expanding its efforts to develop novel therapeutics for inflammatory and autoimmune diseases. Research positions are available at the Senior Scientist and Associate Scientist level for individuals who are highly interested in drug discovery and who are able to work well within a group toward common goals.

SENIOR SCIENTIST
In Vivo

An in vivo research position is available for a Senior Research Scientist who will establish and direct a research program to characterize the in vivo anti-inflammatory potential of novel small molecules. Applicants should possess a PhD in the biological sciences with 3-5 years of postdoctoral research training involving animal models of inflammation and/or autoimmunity. (Job #96-JLW-1356)

ASSOCIATE SCIENTIST
In Vivo

A research background in models of inflammation and/or autoimmune disease is desired. Individuals with animal research experience, including surgical manipulations, injection and sampling techniques, HPLC analysis of drug blood levels, immunosassay methods, or development of disease models will be considered. Successful candidates should possess a MS or BS with 2+ years of research experience in immunology or a related field. (Job #96-JLW-1358)

With 50,000 employees worldwide, and more than $10 billion in annual sales, we've established ourselves as a respected global business and innovative leader in the changing health care industry. For consideration, please send your resume with salary history to: Abbott Laboratories, Job #________, D583, AP6, 100 Abbott Park Rd., Abbott Park, IL 60064. Abbott is an Affirmative Action Employer/Smoke-Free Environment.

ABBOTT LABORATORIES
Quality Health Care Worldwide
The California State University, Office of the Chancellor, invites nominations and applications for the position of ACADEMIC PLANNER/MATHEMATICS & SCIENCE. The California State University is the largest system of public higher education in the country, its 22 campuses and seven off-campus centers extend from Northern to Southern California. Since 1961, the CSU has awarded more than 1.32 million Bachelor’s degrees, 270,000 Master’s degrees and 290 joint Doctorates. The CSU prepares two-thirds of the public school teachers educated in California, and about 10 percent of the nation’s K-12 instructors. In addition, the system produces 50 percent more business graduates and more computer scientists and engineers than all other California universities and colleges combined. Currently, more than 325,000 students are enrolled in the CSU’s undergraduate and graduate degree programs.

**Academic Planner/Mathematics and Science**

The selected individual will address issues involving policy analysis, student and societal education needs, teaching and learning strategies, assessment and accountability, enrollment management, finance, technology and academic program development. The candidate must possess a Doctorate in a science or mathematics-related discipline and significant experience in academic planning, strategic planning and/or policy analysis. You must have superior communication skills as well as facility in promoting teamwork interpersonal relations. Candidates must possess an understanding of public policy and academic programs issues, a talent for achieving consensus, statistical analysis capabilities, computer modeling, forecasting, simulation and the use of the Internet and WWW.

An attractive management compensation package is offered along with a salary commensurate with qualifications and experience. Resume reviews will continue until the position is filled. Please submit a letter of application addressing the desired qualifications, curriculum vitae, and the names and telephone numbers of three references to: Personal Services, Ref: AA/Apa-239, The California State University, Office of the Chancellor, 400 Golden Shore, Suite 228, Long Beach, CA 90802-4275.

The Office of the Chancellor is an Equal Employment Opportunity/Affirmative Action Employer.

---

**REGIONAL TOXICOLOGIST**

The U.S. Environmental Protection Agency-Region 8 in Denver, CO supports the use of sound science in regulatory decision-making. We are presently looking for a highly qualified toxicologist with specific training in the areas of terrestrial, avian, and/or riparian ecology to serve as a scientific advisor, study coordinator, and technical group organizer within the Ecosystems Protection Program. A second position is available within our hazardous waste program for a toxicologist with a broad background in pharmacology, biochemistry, and/or physiology. An advanced degree (Ph.D. or D.V.M.), advanced training in toxicology, board certification in toxicology, a working knowledge of EPA risk assessment guidance and/or considerable experience related to ecotoxicology and/or human toxicology are desirable. These positions will be filled at the GS 12/13 level, salary range $44,584 to $68,923 per annum, depending on qualifications. Candidates must be U.S. citizens. An Equal Opportunity Employer. Inquiries and requests for the position description or government applications should be directed to Deb Slavinski, (303) 312-6114 or Valerie Taylor, (303) 312-6200; 999 18th St., Ste. 500, Denver, CO 80202. Correctly completed applications will be accepted if post-marked on or prior to August 16, 1996.

---

**GENOME SEQUENCING RESEARCH at Cold Spring Harbor Laboratory**

Postdoctoral/visiting scientist/research associate position available to work on genome sequence analysis of *Arabidopsis thaliana*. Additional positions may be available for human genome sequencing. Genome or automated sequencing related experience or *Arabidopsis* molecular biology experience desired but not essential. Motivated candidates with a strong background in microbiology, molecular biology, genetics or biochemistry will be considered. Start date is negotiable.

Cold Spring Harbor offers an outstanding combination of intellectual environment, physical setting and state-of-the-art lab facilities. The work will be carried out in the McClintock Building and the newly remodeled (1996) Hershey Building. To learn more about this position please send curriculum vitae and 3 letters of reference to:

Dr. W. Richard McCombie, Cold Spring Harbor Lab, P. O. Box 100, Cold Spring Harbor, New York 11724.

Equal Opportunity Employer M/F

---

**ENDOWED CHAIR IN DESERT AGRICULTURE**

**UNIVERSITY OF CALIFORNIA, RIVERSIDE**

Applications are invited for a distinguished faculty position in the College of Natural and Agricultural Sciences, University of California, Riverside. The Mouradick Chair for Desert Agriculture is to be filled at the Associate or Full Professor level with departmental affiliation linked to the appointee’s area of expertise. The position is available July 1, 1997 and carries a 25% teaching and 75% research appointment, with research support from the endowment. The College of Natural and Agricultural Sciences, with its relationship to the Agricultural Experiment Station, has made arid-zone irrigated agriculture a primary research focus. Supporting this research area and the Mouradick Chair is the Institute for Desert Agriculture, a unique partnership between the desert agricultural community and the University of California; a newly formed Center for Exotic Pest Research; an active Plant Stress Group; and a proposed Biotechnology Research Center. In addition, the close proximity of UC Riverside to large and arid agricultural regions and supporting research stations in the Coachella, Imperial, Palo Verde, and Central valleys emphasizes the importance of desert agriculture to the UCR mission. We seek an internationally recognized scholar to develop a distinguished research and teaching program in support of desert agriculture. Areas of research emphasis may include, but are not limited to: environmental sciences, irrigation science, plant sciences, pest and disease sciences, and soil science. Curriculum vitae, a list of references, and a summary of research and teaching interests should be sent to: Search Committee, Mouradick Chair for Desert Agriculture, College of Natural and Agricultural Sciences, University of California, Riverside, CA 92521. Review of applications will begin September 1, 1996 and will continue until the position is filled.

*The University of California is an Affirmative Action/Equal Opportunity Employer.*
Genentech, Inc.

Anti-Cancer Council of Victoria

VICTORIAN BREAST CANCER RESEARCH INITIATIVE

The Victorian Government has established a Consortium of Victorian medical research institutes to work together in a cooperative research programme aimed at developing novel strategies for the prevention, diagnosis and care of breast cancer. To this end, $3M per annum has been committed for ten years for basic research on normal and neoplastic breast development.

Group Leaders are sought for 3-5 major new programmes within participating institutes. Appointments will be for 5 years in the first instance, with review after 3 years and an expectation of an additional 5-year term. Strong collaboration between these groups and with clinicians treating breast cancer will be encouraged and facilitated.

Research areas envisaged include:

- Developmental Biology – stem cells, cell migration, growth factors, organogenesis, homeostasis
- Molecular and Cell Biology – hormones, cytokines, signalling, differentiation, apoptosis, metastasis
- Molecular Genetics – susceptibility genes, oncogenes, tumour suppressor genes
- Biologic Therapies – gene therapy, immunotherapy, rational drug design
- Molecular Pathology – DCIS, metastasis

Interested scientists should contact one of the Directors listed below by 19th August, 1996, providing their curriculum vitae, a short (2-page) vision statement and the names, addresses and fax numbers of three referees familiar with their recent scientific achievements, potential for leadership and ability to collaborate.

Professor Henry Burger, Prince Henry’s Institute of Medical Research, Fax: +61 3 9550 6125
Professor Suzanne Cory, The Walter and Eliza Hall Institute, Fax: +61 3 9345 2508
Professor John Funder, Baker Medical Research Institute, Fax: +61 3 9510 4368
Professor Jack Martin, St Vincent’s Institute of Medical Research, Fax: +61 3 9416 2676
Professor Ian McKenzie, Austin Research Institute, Fax: +61 3 9287 0601
Professor Joe Sambrook, Peter MacCallum Cancer Institute, Fax: +61 3 9656 1414

Applicants selected for further consideration will be invited to submit a full research proposal to the full Selection Committee, which will include national and international experts.

Further information about the Consortium is also available from Tony Burgess (Fax +61 3 9347 1938, E-mail vbcri@lcre.ludwig.edu.au) or Professor Robert Burton, Anti-Cancer Council of Victoria, 1 Rathdowne Street, Carlton South 3053 (Fax: +61 3 9279 1250), or Web Page: http://www.ludwig.edu.au/~vbcri/

This opportunity has been made possible by a long-term initiative of the Victorian Government and the Anti-Cancer Council of Victoria.
POSITIONS OPEN

STAFF ASSOCIATE

The Division of Pediatric Neurology at Columbia University is recruiting a STAFF ASSOCIATE to coordinate a multi-institutional grant investigating the incidence of cancer in newborns. The coordinator should have a Ph.D. or higher degree and at least four years of experience in multi-institutional research design, data management, epidemiological principles, and biostatistics. Preference will be given to applicants with postgraduate training in public health or experience in environmental health. The Staff Associate will be responsible for grant preparation, literature review, data entry and analysis, and other activities essential to the conduct of the research project. Direct inquiries to: Darryl C. De Vivo, M.D., Neurological Institute, 710 West 168th Street, New York, NY 10032.

Columbia University is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION

Center for Surgical Research

POSTDOCTORAL POSITION available immediately to study the role of apoptosis in the induction of immune response and cytokines in the skin initiating a protective immune response against Schistosoma mansoni. The research project involves cloning and characterizing of a parasite-derived immunomodulatory factor. A Ph.D. in immunology/molecular biology with experience in molecular biology and cellular immunology is preferred.

Please send curriculum vitae, summary of research experience, and three references to: K. Ramaswamy or B. Safalsky, Department of Biomedical Sciences, University of Illinois College of Medicine, 1601 Parkview Avenue, Rockford, IL 61107. Telephone: 815-965-5696; FAX: 815-965-5660; Email: Ramaswamy@uis.edu. For more information, the position will remain open until filled.

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

POSTDOCTORAL POSITIONS

POSTDOCTORAL FELLOWSHIPS

MOLEULAR CANCER BIOLOGY

POSTDOCTORAL positions open September 1, 1996 with a newly established research group at the M.D. Anderson Cancer Center for talented Ph.D. and/or M.D. scientists. Responsibilities include: 1) mechanisms of apoptosis induced by therapeutic agents including the role(s) of anti- and pro-apoptotic gene products; 2) genetic and molecular studies of tumor suppressor genes; and 3) interactions of cytokines and cytokine inhibitors with tumorigenesis.

Apostosis—Current studies include: 1) mechanisms by which apoptotic responses to chemotherapy are modulated by growth factor-mediated signal transduction pathways and by regulators of apoptosis (myeloid and neuronal); 2) mechanisms of apoptosis induced by therapeutic agents including the role(s) of anti- and pro-apoptotic gene products; 3) regulatory interactions between receptor tyrosine kinases and estrogen receptors in breast carcinoma cells. Cell death is characterized by: 1) nuclear condensation and apoptosis; 2) microtubule dependent kinase inhibitors; 2) regulation of nuclear matrix proteins.

Experience in molecular biology, biochemistry, and signal transduction is desirable. For immediate consideration, please send curriculum vitae and names of three references to one of the three Principal Investigators in the group: Drs. John Mendelsohn, Rakesh Kumar, Zhen Pan, Laboratory of Cell Growth Regulation, University of Texas M.D. Anderson Cancer Center, 1515 Holcombe Boulevard, Box 91, Houston, TX 77030. An Equal Opportunity Employer.

UroCor, Inc., Molecular Biology: Seeking Postdoctoral and Research Assistant. UroCor discovers, develops, and acquires technology for urology disease management.

POSITION: POSTDOCTORAL—Ph.D. in molecular biology or related field; significant experience in PCR is strongly desired. Projects to develop quantitative RT-PCR, other molecular diagnostic applications.


POSTDOCTORAL

GI

Are you a Ph.D. interested in investigating the pathogenesis of inflammatory bowel disease? You will establish research proposals and work toward NIH grant applications. Excellent opportunity for GI residents and research technicians; develop new methodologies and solve GI lab technical problems. You must have a Ph.D. in biomedical science, be a leader, and be published. Experience in cell biologic techniques. Position is guaranteed for two years; faculty opportunity after one year.

Send curriculum vitae to: Ali Keshavarzian, M.D., Division of Gastroenterology, Loyola University Medical Center, 2160 South First Avenue, Maywood, IL 60153. FAX: 708-216-4113. Equal Opportunity Employer.

POSTDOCTORAL POSITION

Position available studying interneuron electrophysiology and synaptic plasticity in denervated guinea pig hippocampal slice employing infrared video microscopy, whole cell voltage clamp, and immunohistochemistry. Experience in cell biology and electrophysiology required. Send curriculum vitae and references to: Dr. Darrell Lewis, Box 3430, Duke University Medical Center, Durham, NC 27710. Email: lewis013@mc.duke.edu. Duke University is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

POSTDOCTORAL FELLOW—Molecular Immunology: A position is immediately available to study MHC class II antigen presentation, B cell activation, and peptide/MHC stimulation of T cells cloned expanding in rhesus monkey. Requires Ph.D. and experience in cell and molecular biology. Send curriculum vitae and a list of references to: Howard R. Katz, Ph.D., Harvard Medical School/ Brigham and Women’s Hospital, 250 Longwood Avenue, Room 607, Boston, MA 02115. Email: hkkatz@warren.med.harvard.edu. An Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION

The Division of Urology at the University of Pennsylvania School of Medicine invites applications for POSTDOCTORAL POSITIONS funded by NIH Training Grant. Research areas available for multidisciplinary training include: 1) neoplastic and non-neoplastic smooth muscle contraction, 2) contractile dysfunction in smooth muscles in the urinary bladder wall and erectile tissue in the corpus cavernosum penis, 3) smooth muscle differentiation, 4) molecular electrophysiology, and 5) smooth muscle matrix. Applicants must have a Ph.D. degree in cell biology, molecular biology, biochemistry, physiology, or pharmacology. Candidates with two to three years of previous postdoctoral training are also encouraged to apply. U.S. citizenship or immigrant visa status is mandatory. A letter, curriculum vitae, and a statement of research interests should be addressed to: Dr. Samuel K. Chacko, Director of Basic Research, Division of Urology, 1001 South Wisteria Lane, 1700 East River Road, Suite 115, Tucson, AZ 85718. Telephone: 520-577-5106; FAX: 520-577-5212.

POSITIONS OPEN

A POSTDOCTORAL/RESEARCH ASSOCIATE position is available to study the molecular embryology of lung development. Applicants should be experienced in molecular biology including RNA and DNA work and in situ hybridization. Salary and benefits are competitive. Opportunity for independent work and promotion. Contact: Parviz Minoo, Ph.D., Department of Pediatrics, U.S. School of Medicine, 3900 Market Street, Philadelphia, PA 19104. Email: minoo@hsc.usc.edu.

ANNOUNCEMENT

NEUROBIOLOGY GRANTS

The Ara Parseghian Medical Research Foundation announces a major program initiative directed toward understanding and combating Niemann-Pick disease type C (NP-C) and Gaucher disease. These genetic disorders are all due to mutations in lysosomal enzymes required for degradation of sphingolipids. The campaign will emphasize the search for new treatments and a cure for NeuroBiology Diseases. The Ara Parseghian Medical Research Foundation invites applications from outstanding scientists with expertise in the neurobiology of diseases of the brain and nervous system. Awards are available up to a maximum of $250,000 per year for a period of 5 years. Application forms are available from the Foundation. For more information about the program, potential collaborators, and past grants, contact the Foundation. Teachers and researchers who have not previously applied to the Foundation are encouraged to apply. The Ara Parseghian Medical Research Foundation is an Equal Opportunity/Affirmative Action Employer.

392

SCIENCE • VOL. 273 • 19 JULY 1996
**Leader of the Division of Atmospheric Chemistry of the Institute for Tropospheric Research (IIT)**

A temporary appointment is open for applications. It terminates at the retirement of the present disabled division leader. At that date, the appointment will be open for a permanent position as C3-professor in Atmospheric Chemistry.

Internationally recognised Ph.D. level chemists specialising in atmospheric multiphase chemistry are welcome to apply. Applications directed to

Prof. Jost Heintzenberg  
Iff, Permoserstr. 15  
D-04303 Leipzig

will be treated confidentially but will not be returned.

**RESEARCH SCIENTIST**  
**BACTERIAL PATHOGENESIS AND IMMUNITY**

Applications with experience in the study of the biology of host-pathogen interactions are invited to apply for a research position in a team working on the development of new and improved bacterial vaccines. The successful candidate must hold a Ph.D. degree and should have a minimum of 3 years post-doctoral experience. An interest in the molecular basis of bacterial pathogenicity and practical knowledge of bacterium-host interactions is essential. Experience in the study of the interaction of bacteria with the immune system would be preferred but applicants with other relevant experience will be considered.

The applicant would be responsible for supervising and planning the work of technical staff while at the same time being expected to make an active contribution at the bench. Duties involve the interpretation of the results of protection studies in animal models of infection and the development of in vitro assays for assessing prospective, protective antigens.

Our biomedical research centre located close to Vienna offers excellent research facilities and technical support and provides the opportunity to work within a small international team of motivated scientists. Immuno offers a competitive salary, benefits programme and compensation for relocation expenses.

Please submit a detailed Curriculum Vitae together with salary requirements and date of availability to:  
Immuno AG, Personnel Dept.  
Dr. Elisabeth Pulzer  
Industriestrasse 67, A-1221 Vienna

**KAROLINSKA INSTITUTE**  
**The Microbiology and Tumor Biology Center, MTC**  
**PROFESSORSHIP IN VIROLOGY**  
Ref no 51010/1045

Applicants should have an outstanding scientific record in any aspect of virology. In particular, applicants focused on one or several of the following fields are encouraged: molecular aspects of virus-host cell interaction, molecular pathogenesis of viral infections, gene regulation of persistent or latent infections, and/or immunobiology of viral infections.

MTC is one of the newly formed departments at the Karolinska Institute joining the old, smaller departments of bacteriology, immunology, parasitology, tumour biology, and virology. At MTC there are 250 employees, visiting scientists, and graduate students working in new laboratory buildings and conducting research on molecular pathogenesis of bacteria, parasites and viruses, viral immunobiology, T-cell immunity, vaccine research, molecular oncology, cell-cell and cell-microbe adhesion, and gene regulation. We aim for a strong interaction between these disciplines.

For further information, contact Professor Ingemar Ernberg, phone +46-8-728-62-62, fax +46-8-31-94-70, email ingemar.ernberg@mtc.ki.se, or Professor Klas Kärre, phone+46-8-728-62-82, fax +46-8-30-64-38, email klas.karr@mtc.ki.se. Please submit your formal application with the following documents in 4 copies: 1) curriculum vitae; 2) verified list of qualifications; 3) a description of your scientific and pedagogic career including a) experience of scientific leadership, Ph.D. student supervision, experience of departmental administration and b) pedagogic credentials including student supervision and preparation of teaching aids; 4) an outline of plans for future research; 5) a complete list of published scientific papers; 6) reprints of your 20 most representative, selected publications.

As many of our professors are men, we encourage women to apply. The formal application should have reached the Karolinska Institute no later than August 27, 1996, while all other documents (1-6), including the publications, should have reached the Karolinska Institute by September 23, 1996. Address: The Registrar, Karolinska Institute, S-171 87 Stockholm, Sweden.
POSTDOCTORAL POSITION available to study the role of the ubiquitin/ATP-dependent proteolytic pathway in neurodegeneration. The position requires a strong background in molecular biology. Please send curriculum vitae; a statement of research experience; and names, addresses, and telephone numbers of three references to: Dr. Maria Figueiredo-Pereira, Box 1215, Pharmacology, Mount Sinai School of Medicine, One Gustave Levy Place, New York, NY 10029. FAX: 212-831-0114.

POSTDOCTORAL POSITION at Brigham and Women’s Hospital (BWH), Harvard Medical School. Laboratory focus is the role of growth factors in mammalian ovarian follicular development and diseases, with emphasis on signal transduction and apoptosis. Ph.D., with strong background in molecular biology and cell culture required. Replies: John Yeh, M.D., Associate Professor, BWH, 75 Francis Street, Boston, MA 02115. Telephone: 617-732-5178; FAX: 617-732-4144.

CUSTOM ANTIBODIES TO PEPTIDES AND PROTEINS

- Purification
- Conjugation
- ELISA Titration

HTI BIO-PRODUCTS, INC.
Phone (800) 481-9737
Fax (619) 788-9694
e-mail antibodies@htibio.com
http://www.htibio.com

Circle No. 24 on Readers’ Service Card

SFM-Human Endothelial Cell System
More Cells / Lowest Price / Highest Quality
Start up a 75 cm Flask / Recombinant Mitogen
CSC Certificate™ #50566

Circle No. 12 on Readers’ Service Card

CUSTOM PEPTIDES

Quality Peptides at Competitive Prices.
Experienced Company offering:
- Synthesis of difficult sequences
- Fluorescent labeling
- Phosphopeptides
- Biotinylated peptides
- Large scale synthesis

Welcome to American Peptide. We can satisfy your peptide needs from small to large quantities at considerably reduced prices. We offer different purity levels to match your exact needs, whether for screening, antibodies production or drug development.

NEW 1996-97 CATALOG

Circle No. 14 on Readers’ Service Card

PeptidoGenic
The Peptide Engineering/Specialist
E-mail: pkim@seeknet.com
Fax: 510-371-1156
Voice: 800-597-7873
510-371-1070

Engineered Peptide: Phosphoryl, Thiopeptide
Aldehydes, Alcohol, Cysteine, FITC, DNP, PHA, Dansyl, MAPS,
ABC, Enzyme substrates/inhibitors, WCGHNV, and more...

Circle No. 27 on Readers’ Service Card

Custom DNA from $1.00/base
www.ransomhill.com
no setup, no minimum, no baloney!
email: vslgs@lx.netcom.com fax: (800) 597-8509

Circle No. 5 on Readers’ Service Card

GIBCO BRL
CUSTOM PRIMERS®
$1.19 PER BASE PLUS SETUP*
High quality
High capacity
Fast turnaround

Internet Ordering on the World Wide Web: http://www.lifetech.com
Call for easy fax ordering form: (800) 828-6686
* Setup Charge: $5.00 for Deprotected or $10.00 for Deprotected/Desalted primers.

Circle No. 20 on Readers’ Service Card

MIDLAND
Pfizer DNA SYNTHESIS

Circle No. 8 on Readers’ Service Card

Circle No. 29 on Readers’ Service Card

Circle No. 7 on Readers’ Service Card

CUSTOM ANTIBODIES TO PEPTIDES & PROTEINS

We do it better for less $$, Get The Facts
Alpha Diagnostic Intl.
Ph (800) 786-5777; Fax (210) 521-8346; Email: ADIALI@aol.com

Circle No. 13 on Readers’ Service Card

DNA SYNTHESIS
$1.00 per base for 10 OD
DNA SEQUENCING
As low as $.50 per base

Circle No. 1 on Readers’ Service Card

Circle No. 15 on Readers’ Service Card

Duke Scientific Corporation
P. O. BOX 59005
2485 FABER PLACE
PALO ALTO, CA 94303

1-800-533-4363
http://www.resgen.com

Circle No. 6 on Readers’ Service Card
Join the Partnership

“As a AAAS member and Fellow, I believe that the Center for Science and Engineering will contribute to the overall health of the scientific enterprise today and in the decades to come. The Center’s auditorium, equipped with satellite and video-conferencing capabilities, will bring the best of the world’s science, engineering and technology to scientists, engineers, policymakers, teachers and students worldwide. I urge you to join me in contributing to its completion.”

Joseph G. Gavin, Jr.

For the latest on the Center for Science and Engineering, contact the AAAS Development Office at NEWBUILDING@AAAS.ORG or (202) 326-6636. Visit us on the web at WWW.AAAS.ORG.

CONSIDER A NAMED GIFT

You can be permanently associated with the mission of AAAS and the Center for Science and Engineering through a named gift. A contribution of $5000 or more will inscribe a chair in the auditorium with your name or the name of a mentor, colleague, or family member.

Yes, I/We would like to support the Center for Science and Engineering with

☐ a gift of $___________ or

☐ a pledge of $___________

Enclosed is the first installment of $___________, with balance to be contributed:

☐ annually ☐ semi-annually ☐ quarterly beginning__________

I make this gift

☐ in my name

☐ in honor/memory of:

☐ and I will determine if my employer or my spouse's employer will match this contribution to AAAS.

Signature

Printed Name

Address

City, State, ZIP

Phone

Please return to:
AAAS Development Office
1200 New York Avenue NW
Washington, DC 20005

American Association for the Advancement of Science

SC796
Hybridization Screening of BAC and I.M.A.G.E. cDNA Libraries

Locate unique genomic or cDNA clones, or build a BAC contig

Research Genetics’ custom hybridization screening service locates genomic or cDNA clones from our human or mouse BAC libraries or our I.M.A.G.E. Consortium (LLNL) cDNA libraries. To date, over 96% of all custom screenings have been successful.

- Human BAC Library usually yields 2-5 clones
- Mouse BAC library usually yields 4-6 clones
- DNA in various forms may be used as probes: cDNAs, PCR fragments, ESTs, genomic fragments, YACs, BACs, cosmids, alu-PCR fragments, and long oligonucleotides (>40 mers)
- Average turnaround time is ten days
- Charge for the basic service (homologous probes with no repetitive sequence) for the BAC libraries is $890 and for the I.M.A.G.E. Consortium (LLNL) cDNA libraries is $1,895, and includes one clone.
- Additional clones may be purchased for $24 each
- Service is guaranteed - if no clones are located, there is no charge!
- PCR-based screening also available for the BAC Libraries

Please send e-mail to crussell@resgen.com for more information.