POSITIONS OPEN

CHAIR, BIOLOGICAL AND BIOPHYSICAL SCIENCES
University of Louisville School of Dentistry

The University of Louisville announces the re-opening of the search to fill a full-time, tenure-track position at the ASSOCIATE/FULL PROFESSOR level as Chairperson of the Department of Biological and Biophysical Sciences. The position will be available September 1, 1996, or as soon as the Chairperson is identified. The Chairperson will be a faculty member in the division of the department which is most appropriate for him or her. The Chairperson will be responsible for the overall direction of the department, including the development of the curriculum and the organization of the faculty and staff.

Applications are encouraged from candidates with expertise in areas such as protein chemistry, immunology, genetics, biochemistry, cell biology, and molecular biology.

Please send a letter of application, curriculum vitae, and the names of four references to: Dr. John N. Williams, Associate Dean for Educational Programs, School of Dentistry, University of Louisville Louisville, KY 40292 Telephone: (502) 852-7242 FAX: (502) 852-7163

University of Louisville is an Equal Opportunity/Affirmative Action Employer. Women and minority candidates are encouraged to apply.

POSITIONS OPEN

ENDED PROFESSORSHIP

The James Winston Benfield Chair
Columbia University School of Dental and Oral Surgery

The Columbia University School of Dental and Oral Surgery announces the availability of a position as Chairperson of the Department of Biological and Biophysical Sciences. The position will be available September 1, 1996, or as soon as the Chairperson is identified. The Chairperson will be responsible for the overall direction of the department, including the development of the curriculum and the organization of the faculty and staff.

Applications are encouraged from candidates with expertise in areas such as protein chemistry, immunology, genetics, biochemistry, cell biology, and molecular biology.

Please send a letter of application, curriculum vitae, and the names of four references to: Dr. John N. Williams, Associate Dean for Educational Programs, School of Dentistry, University of Louisville Louisville, KY 40292 Telephone: (502) 852-7242 FAX: (502) 852-7163

University of Louisville is an Equal Opportunity/Affirmative Action Employer. Women and minority candidates are encouraged to apply.

FOUR TENURE-TRACK POSITIONS

New York University Medical Center
Department of Physiology and Neuroscience

Applications are invited for positions at ASSISTANT or ASSOCIATE PROFESSOR levels depending on experience. Areas of research in physiology or neuroscience are open. Applicants can expect start-up funding and opportunities for future growth. The successful candidates will be expected to participate in a team-taught philosophy and/ or neuroscience course and graduate training programs, the majority of their effort will be devoted to vigorous, independent research. Applicants should send curriculum vitae and summary of current research and goals, together with the names of three references, to: Rodolfo Llinas, M.D., Ph.D.

Department of Physiology and Neuroscience
New York University Medical Center
550 First Avenue
New York, NY 10016

New York University encourages applications from women and minority groups.

TEL AVIV UNIVERSITY
Department of Neurobiology

Opening of a TENURE-TRACK position in the field of molecular and biochemical neurobiology. Ph.D. or equivalent degree and several years’ postdoctoral experience required. Experience in one of the following areas: basic electro- biomechanics, signal processing, biophysics, or computational neuroscience. The successful candidate will be expected to participate in a team-taught philosophy and/ or neuroscience course and graduate training programs, the majority of their effort will be devoted to vigorous, independent research. Applicants should send curriculum vitae and summary of current research and goals, together with the names of three references, to: Tamar Zilin, M.D., Ph.D.

Department of Neurobiology
Tel Aviv University
Ramat Aviv, 69978, Israel.
ALBANY MEDICAL COLLEGE

TENURE-TRACK FACULTY POSITIONS

Albany Medical College announces the availability of several tenure-track faculty positions as part of an expansion in biomedical research and training in selected interdisciplinary areas. Scientists with a Ph.D., M.D., or M.D./Ph.D. degree are invited to apply. Assistant professors need three years of postdoctoral training and will be expected to develop a funded independent research program. Applicants for senior positions must have a track record of research excellence and experience as a predoctoral and/or postdoctoral advisor. Successful candidates will have teaching and/or clinical responsibilities depending on their personal interests, training, and departmental affiliation.

Expansion of the College’s research and scientific training programs coincides with funding of a new institutional strategic research plan by Albany Medical Center designed to increase basic and clinical research in all departments. Thematic areas include:

- **Vascular Biology: Heart and Lung Diseases**
- **Tissue Injury: Inflammation & Oxidant Stress**
- **Bacterial and Viral Pathogenesis**
- **Neuropharmacology and Neurobiology**
- **Cell and Matrix Biology: Molecular Signaling**

Expansion of these research areas will be coordinated with new patient-care and educational initiatives to produce "centers of excellence." Theme areas will also form the foundation for new predoctoral and postdoctoral interdisciplinary training programs. Applicants should specify the interdisciplinary research theme to which they are applying. Dependent upon the applicant’s research orientation and potential, the specific theme or area of research will be determined.

**Thematic Areas:**

- **Vascular Biology: Heart and Lung Diseases**
  - Established investigator at the Associate Professor or Professor level in the area of vascular biology with an interest in either endothelial function, hypertension, angiogenesis, ischemic heart disease, pulmonary edema, or interstitial lung disease.

- **Tissue Injury: Inflammation and Oxidant Stress**
  - Established investigator at the Associate Professor or Professor level whose research and training activities are focused on the cellular response to trauma or injury with molecular mechanisms of wound healing, free radical biology, inflammation, monocyte-macrophage biology, or neurophil activation.

- **Bacterial and Viral Pathogenesis**
  - Established investigator at the Assistant Professor or Professor level in the area of bacteriology with an interest in either viral, particularly retroviral, or bacterial pathogenesis, tumor biology, molecular genetics, host defense mechanisms, lymphocyte function, human acquired immunodeficiency disease, or anti-retroviral strategy development.

- **Neuropharmacology and Neurobiology**
  - Established investigator at the Assistant Professor or Professor level in the area of neuropharmacology with an interest in translating basic science research into neurobiological studies in vivo. The selected candidate will join an interdisciplinary research group whose interests include neurodegenerative disease, nervous system development, synaptic plasticity, and the neurobiology/neuropharmacology of drug addiction.

- **Cell and Matrix Biology: Molecular Signaling**
  - Assistant Professor interested in cytokine signal transduction, adhesion mediated gene regulation, cell growth and motility. Individuals using model systems related to developmental and cancer biology will have preference. The applicant will join an interdisciplinary research group with expertise in extracellular matrix, cell adhesion and migration, gene regulation, and pericellular proteolysis.

Applicants should submit curriculum vitae with 3 references and a brief research summary to: Thomas M. Saba, Ph.D., Senior Vice President for Research, Albany Medical College (A-1), Albany, NY 12208. Review of applications will begin on July 1, 1990. An equal opportunity/affirmative action employer. Women and minorities are encouraged to apply.
CNS DISCOVERY RESEARCH
at Schering-Plough

Schering-Plough Research Institute has several opportunities for talented scientists at all levels to join our expanding multidisciplinary group which focuses on molecular targets for CNS disorders.

SECTION LEADER/NEUROPHARMACOLOGIST
This is a unique opportunity for an experienced Scientist to establish a new neurosciences laboratory and direct a team of neuroscientists devoted to the development of in vitro and in vivo approaches to the identification and evaluation of new drug discovery targets in the CNS. The successful candidate will have a PhD in Neurosciences and 8-10 years of experience in an academic or industrial drug discovery environment demonstrating an established record of scientific achievement. Applicants will be expected to have the scientific breadth and leadership skills necessary to lead a diverse group of neuroscientists while contributing to new and ongoing drug discovery programs. To be considered for this position, please respond to Dept. CNS-SL.

SENIOR SCIENTIST/NEUROPHARMACOLOGIST
This is an excellent opportunity for a Senior Scientist to develop experimental models of cognition that will be used for the elucidation and characterization of novel drug discovery targets. The successful candidate will have a PhD in Neuropharmacology or a related field and 2-4 years of postdoctoral experience in behavioral sciences. Expertise in ethology, general behavioral procedures and/or the study of Alzheimer’s disease helpful. To be considered for this position, please respond to Dept. CNS-SS.

SENIOR SCIENTIST/ELECTROPHYSIOLOGISTS
We are seeking Electrophysiologists with extensive experience in neurobiology; a PhD and at least 3 years of postdoctoral experience. Background must include demonstrated expertise in extracellular and intracellular recording from in vivo and/or from isolated in vitro preparations. Experience in patch clamp techniques, Xenopus oocyte expression systems and measurements of LTP/LTD a plus. To be considered for these positions, please respond to Dept. CNS-EP.

SENIOR SCIENTISTS/MOLECULAR NEUROBIOLOGISTS
Positions are available for talented Molecular Biologists, Molecular Pharmacologists and Biochemists with experience in receptors, transporters, G proteins or other signal transduction systems. The successful candidates will have a PhD, at least 3 years of postdoctoral experience, a strong research background plus the ability to initiate and direct an independent research program in the CNS area. To be considered for these positions, please respond to Dept. CNS-MN.

SCIENTISTS MOLECULAR NEUROBIOLOGY
Several positions are available for Scientists with a BS degree and 4-10 years of laboratory experience or an MS degree and 2-8 years of laboratory experience. Background must include molecular biology, biochemistry or molecular pharmacology as well as strong technical and interpersonal skills. Experience with receptors, transporters, G proteins or signal transduction systems is highly desirable. Technical skills such as cDNA library construction and screening, mammalian tissue culture, expression and purification of recombinant proteins and assay design are preferred. To be considered for these positions, please respond to Dept. CNS-NB.

We offer an excellent compensation package including a competitive salary and comprehensive benefits. For prompt, confidential consideration, we invite you to forward a resume indicating the Dept. Code for your position of interest and salary requirements to: Human Resources-KB, Schering-Plough Research Institute, K-15-1, 2015 Galloping Hill Road, Kenilworth, NJ 07033-0539. We are an equal opportunity employer. We regret we are unable to respond to each resume. Only those selected for an interview will be contacted.
Bioinformatics Scientists

Immediate openings are available for highly motivated Bioinformatics scientists at our Biotechnology Research Center in Berkeley, California. These individuals will participate in the discovery of genes leading to biotherapeutics and to novel targets for therapeutic drug research, and will interact with similar groups at other Bayer Research Centers in the US, Europe, and Japan.

Computational Biologist

The successful candidate will be primarily responsible for bioinformatics-driven gene discovery projects, development of innovative database search algorithms and strategies, and management of genetic databases. The successful candidate should have demonstrated expertise in the interrogation of DNA and protein sequence databases and programming with C in a UNIX environment. Familiarity with sequence-structure relationships and analysis of gene families is desirable. A PhD in Molecular, Structural, or Evolutionary Biology and at least 3 years of postdoctoral experience are required.

Computer Scientist

The successful candidate will work closely with both the computational biologist and systems personnel to implement and manage bioinformatics computational resources, manage genetic databases, and design applications software. Understanding of the UNIX operating system, client/server computing, network security, and programming experience in C is required. A degree in a scientific or numeric subject and at least 2 years of relevant experience are required.

We offer attractive compensation and generous benefits. For immediate consideration, please forward a resume, including salary history, to: Bayer Corp., Pharmaceutical Division, Dept. AA-JG, 400 Morgan Lane, West Haven, CT 06516. No phone calls please. An Equal Opportunity Employer M/F/D/V. Bayer Corp. is committed to creating and maintaining cultural diversity within our work environment.

CNS Discovery Research

Postdoctoral Research Fellows in Neurodegeneration and Neuroprotection

The successful candidates will join a laboratory currently investigating the molecular/cellular mechanisms underlying various models of the neurodegeneration and neuroprotection in the CNS. Studies on the cellular/molecular mechanisms underlying the neurotoxic effects of the amyloid beta peptide in cultured fetal rat neurons, apoptosis of mammalian neurons in vitro and in vivo, the role of glial activation in neurodegeneration, the possible role of receptors, second messengers and transcription factors in apoptosis, and the isolation of novel genes involved in both neurodegeneration and neuroprotection are in progress.

To qualify, you will need a Ph.D. degree in one of the biological sciences. Experience in molecular biology and tissue culture, especially the use of primary cultures of fetal rat or mouse neurons, is desirable. Good fluency in the English language is required. Please submit a CV, bibliography, and a statement of scientific interest.

Seeking experienced, hands-on

Macromolecular Crystallographer

to head new structure-based drug design research group in well equipped diffraction laboratory. Pharmaceutical research a plus. Competitive salary, benefits and exceptional growth opportunity. Located in an award winning forested community near the Gulf and Houston. Area offers wide variety of cultural activities and outdoor recreation all year. Send C.V. to Dr. Noel D. Jones, Vice President of Drug Design, Molecular Structure Corp., 3200 Research Forest Drive, The Woodlands, TX 77381-4238. Fax: (713)-364-3628, E-mail: ndj@msc.com

Bayer

Pharmaceutical Division

MSC
MOLECULAR STRUCTURE CORPORATION

a Rigaku company
NIH Has A New Address

The National Institutes of Health has introduced a new web site. Now, the latest news about clinical and research training opportunities at NIH can be accessed by visiting us at http://helix.nih.gov:8001/oe/

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

All from the convenience of your keyboard.

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

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

Make a global impact in clinical drug development

QUINTILES PACIFIC, INC., located in San Diego, California, is a growing contract research organization working with the pharmaceutical industry in developing new psychotropic and other (CNS) drugs.

We have an on-going need for outstanding individuals with experience as:

- SR. DIRECTOR, CLINICAL OPERATIONS
- MANAGERS, CLINICAL OPERATIONS
- CLINICAL RESEARCH ASSOCIATES

QPAC offers a comprehensive benefits package, a company conducive to professional and personal growth, and the opportunity to be a part in sharing a common goal of excellence in the clinical drug trial industry with a leading CRO. Please send resume with salary requirements to: QPAC, Attn: HR/S, 10201 Wateridge Circle, San Diego, CA 92121. EOE.

Development of New Therapeutic Approaches for the Treatment of Childhood Cancers

Tenure-track position available (equivalent to that of an Assistant Professor) to develop new therapeutic approaches for the treatment of childhood cancers with an emphasis on central nervous system tumors. These new therapies will incorporate innovative approaches based on the biology of the tumors and will be evaluated in in vitro and animal models. Translational clinical trials designed to test the most promising new approaches are performed in children with cancers that are refractory to standard treatments. Collaboration with other interested children’s cancer centers and cooperative groups is encouraged. Resources include laboratory space, shared facilities, equipment and supplies, a part-time research nurse, and support for one technician and postdoctoral fellows from the clinical training program. Candidate must have an M.D. degree with training and experience in pediatric hematology/oncology, and in performing research and clinical trials in children with cancer. Please send a cover letter, curriculum vitae, bibliography, and a two-page statement including research interests and career goals to Lee Helman, M.D., Pediatric Branch, National Cancer Institute, Building 10, Room 13N240, 10 Center Drive, MSC 1928, Bethesda, MD 20892-1928. In addition, arrange to have letters of reference sent to the same address from three scientists who can provide an evaluation of your qualifications. Applications must be received within six weeks of the publication of this advertisement. The National Institutes of Health is an Equal Opportunity Employer.
SR. PROTEIN CHEMIST- STRUCTURAL BIOLOGY

Be at the forefront of drug discovery research with The DuPont Merck Pharmaceutical Company. We are focused on meeting unmet medical needs through the discovery and development of innovative compounds leading to novel pharmaceuticals.

The candidate will be an expert in state-of-the-art protein purification technology and its application to natural and recombinant proteins. The candidate should have experience isolating proteins for use in structural studies and/or enzymology. Expertise in thermodynamics, biophysical characterization and titrating calorimetry is desirable. A Ph.D. in biochemistry with a minimum of 3-5 years of postdoctoral experience is required.

Our location, near Wilmington, DE, offers an attractive lifestyle with easy access to all the cultural, academic and recreational activities of the Eastern Seaboard. The DuPont Merck Pharmaceutical Company can offer you an excellent compensation and benefits package. To be considered, please forward your resume to: Human Resources-RM, The DuPont Merck Pharmaceutical Company, Experimental Station, 400/2413, P.O. Box 80400, Wilmington, DE 19880-0400. An equal opportunity employer M/F/D/V.

U.S. Geological Survey
Chief, Biological Resources Division
Senior Executive Service (SES)

The U.S. Geological Survey (USGS) is seeking candidates for the full-time position of Chief, Biological Resources Division (BRD). Applicants should have achieved national recognition for outstanding scholarship and professional research in the biological sciences as well as possess significant managerial experience. This is a career civil service position, in the SES, with a salary range that begins at $100,526 per annum.

The Chief Biologist plans and directs extensive research programs conducted by a large group of world-renowned scientists. These programs provide scientific understanding and technologies needed to support the sound management and conservation of our nation's biological resources.

Individuals interested in this position should contact Lisa Snooks at (703) 648-7420 to receive a complete vacancy announcement which describes job requirements (including knowledges, abilities, skills, and other characteristics (KASOCs) required for the position), an application, and evaluation procedures. Applications (Optional Application for Federal Employment, OF-612, or resume) must be received at the following address by June 28, 1996, and should reference announcement #SES-96-1. A Reference and Qualifications Analysis form and a narrative qualifications statement addressing the KASOCs should also be submitted by the above date and will be used in the evaluation of candidates.

All applicants tentatively selected must submit to urinalysis prior to appointment to screen for illegal drug use.

U.S. Geological Survey
Branch of Recruitment and Placement
601 National Center
Reston, Virginia 22092

The U.S. Geological Survey is an Equal Opportunity Employer.
U.S. citizenship is required

Director of Biology

The successful candidate's responsibility will be to dramatically increase the size and capabilities of the existing department. In addition, this individual will direct the preclinical development studies of drug candidates and manage a multi-disciplinary approach to drug development.

All applicants must have 7+ years' experience in pharmaceutical drug development, in addition to a Ph.D. in a biological discipline. Proven experience in taking multiple projects from inception to completion as a project leader and a team member are required. A broad knowledge base is essential and should include enzymology, cellular receptor and signal transduction processes and in vivo pharmacology. Job Code - DIR2

Research Scientist, Biology

The successful candidate will have a Ph.D. in Biology or a related discipline with 2 to 5 years postdoctoral studies in which modern tools of biology were used to explore biological processes at a molecular and cellular level. Endeavours related to mechanism of action and proof of therapeutic relevance are essential. Job Code - RSB2

In addition to a strong personal commitment to small molecule drug discovery, all applicants are expected to possess excellent written and oral communication skills as evidenced by a strong publication record consistent with independent research, as well as the ability to work well on a multidisciplinary team. Ontogen offers competitive compensation and benefits packages including a stock option plan. Qualified candidates are invited to send or fax resumes to Human Resources (job code), Ontogen Corporation, 2325 Camino Vida Roble, Carlsbad, CA 92009; 619/530-2000 (fax). Ontogen is an Equal Opportunity/Affirmative Action Employer.

Ontogen Corporation

COMPUTATIONAL CHEMIST POSTDOCTORAL POSITION

Sandia National Laboratories, Albuquerque, New Mexico, has an immediate postdoctoral position open in computational chemistry. The position is available in the computer-aided molecular design group whose research activities include software development and application studies in the area of catalysis. The successful candidate will be involved in an ongoing project that consists of deriving chemical reaction pathways using first principle computational techniques. Our research group has a variety of in-house and commercial computational chemistry products including a chemical structure generator, a structural elucidation program, and several quantum and classical mechanics simulations tools. The group has high performance computing resources including graphics workstations and an SGI Challenge computer. The group has access to Sandia's massively parallel 1024 nodes pCUBE, 1840 nodes Intel Paragon, and a teraflop Intel Paragon scheduled to be delivered by year's end. The successful candidate should have a Ph.D. in Chemistry or related field with experience in kinetics modeling. Practical knowledge in one or more of the following areas is required: transition state theory, ab initio quantum chemistry, molecular dynamics, Monte Carlo simulations, and structure/property modeling. Experience in computer programming is also required. Send curriculum vitae (with names and telephone numbers of three references), reprints, and copies of college transcripts to: Dr. Jean-Loup Faubon, Sandia National Laboratories, Attn: Bonnie M. Townsend, Dept. 3535-0015, Personnel, MS 1023, Albuquerque, NM 87185. Deadline is July 1, 1996. EOE.
Chairperson, Department of Neuroscience  
Albert Einstein College of Medicine  

Albert Einstein College of Medicine is seeking candidates for the Chair of Neuroscience. The principal qualification for the Chair is an internationally recognized record of research excellence and creativity in neuroscience. Candidates should have strong interests in fostering and integrating current research endeavors of the Department; developing new research programs through faculty recruitment and collaborations with individual investigators, consortiums and industry; teaching and training graduate and medical students and postdoctoral fellows; facilitating the integration of basic neuroscience research with important clinical problems and participating in a rapidly developing program in human genetics. It is expected that the new chairperson will have an appreciation for the broad spectrum of research activities that constitute state-of-the-art neuroscience. Neuroscience is interpreted broadly and includes neurobiologists investigating lower organisms as well as those studying mammalian systems.

The department currently has 19 tenured or tenure-track members. Research programs ranging from cognitive neuroscience through electrophysiology, integrated systems, and cellular and molecular neuroscience are presently in place in the department. The Neuroscience Department has been a magnet for attracting outstanding Ph.D. and M.D./Ph.D. students. Currently a large cadre of students and fellows are in training.

The Neuroscience Department is integrated with ten other basic science departments and is closely allied with the clinical/research activities of the Departments of Medicine, Neurology, and Clinical Pathology. This constitutes a large, diverse, and highly collaborative research community. Major interdisciplinary research activities include programs in immunology, signal transduction, virology, developmental biology, molecular genetics, drug development, membrane biology, and structural biology. NIH-funded multidisciplinary Centers for Cancer Research, Diabetes Research and Training, Liver Research, and the Chromosomes 12 project have major impact on the scientific activities of the Einstein community. These Centers and the Medical School provide shared facilities that are available for all Neuroscience faculty, including facilities for: transgenic and knock out mice, protein sequencing and analysis, NMR and EPR spectroscopy, mass-spectrometry, electron and confocal microscopy and video imaging, fluorescence activated cell sorting, automated DNA sequencing, hybridoma production, cytogenetics, cell injection and imaging, X-ray crystallography, and macromolecular modelling.

The Dean and the Faculty have identified the Chair of Neuroscience as a key leadership position for the future development of the Medical School and its research endeavors. A substantial package of financial support and research space has been committed to support the Chair, recruit new faculty, renovate appropriate laboratory space, and develop facilities that will promote research in neurobiology.

The Albert Einstein College of Medicine complex is in a residential section of New York City, minutes away from Westchester County and Manhattan. Send curriculum vitae and references to Dr. Charles Rubin, Chair, Department of Molecular Pharmacology, 1201 Morris Park Avenue, Bronx, New York 10461.

*Equal Opportunity Employer*

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**ZymoGenetics**

ZymoGenetics, a Seattle-based biotechnology company located in the historic Lake Union Steam Plant, is looking to fill four scientist positions:

**SCIENTIST, CELL AND DEVELOPMENTAL BIOLOGY**

Successful candidate will participate in discovery/characterization of novel therapeutics for the treatment of diabetes and its complications. Involves working independently and with a multidisciplinary team to establish in vitro assays and model systems to determine the role of novel hormone-receptor signaling processes in the control of cell development, differentiation and metabolism. Qualified candidate will have a Ph.D., M.D. or D.V.M. degree and 2+ years research experience. Experience in mammalian cell physiology/imortalization techniques is preferred. Reference #15N296.

**SCIENTIST/SR. SCIENTIST, ENDOCRINOLOGY**

Successful candidate will design/conduct studies to discover new agents for expanding programs in diabetes and women’s health research. Will identify, characterize and perform efficacy testing of small molecules/therapeutic proteins. Must possess a background in peptide hormone physiology, appetite regulation, steroid biology and/or neuroendocrinology. Qualified candidate will have a Ph.D., M.D. or D.V.M. degree and 2-5 years research experience with in vitro and in vivo systems. Experience in diabetes research is preferred. Reference #15N396.

**PHARMACEUTICAL SCIENTIST**

This pharmacetics/pharmacokinetics scientist will support small molecule lead evaluation. Responsible for preformulation, development of early formulations for in vivo use, assay development and preliminary pharmacokinetics/drug metabolism studies. Qualified candidate will have a Ph.D. in Pharmaceutical Sciences or equivalent experience. Strong verbal/written communication skills are required. Reference #15N496.

**SCIENTIST/SR. SCIENTIST**

Our Immunology Group is seeking a Cellular and Molecular Immunologist at the Scientist or Sr. Scientist level. Involves developing in vitro and in vivo systems to discover/test novel protein therapeutics for insulin dependent diabetes and other autoimmune diseases. Qualified candidate will have a Ph.D. or M.D. degree and 2+ years postdoctoral research background. Experience with in vitro and in vivo models of autoimmunity is a plus. Reference #15N296.

As a subsidiary of Novo Nordisk A/S, the world’s largest manufacturer of insulin, ZymoGenetics offers an exciting environment characterized of a small research and development company, along with the scope and stability of a large pharmaceutical corporation. We also offer intellectual challenge, state-of-the-art facilities and a generous benefits package. Please apply by sending your resume or CV, noting reference number to: ZymoGenetics, Inc., Human Resources, 1201 Eastlake Avenue East, Seattle, WA 98102. ZymoGenetics is committed to Equal Opportunity and Diversity.

*ZymoGenetics*
RESEARCH SCIENTIST/PEPTIDE CHEMISTRY

Discover Amgen and you'll find a research environment that emphasizes collaboration, intellectual honesty, scientific integrity, and a supportive culture. This unique approach has helped us grow into a global biotechnology leader in just fifteen years.

Currently, our Peptide Technology Group seeks a highly motivated Research Scientist candidate possessing versatile synthetic skills. Minimum qualifications for this opportunity are a Ph.D degree in Peptide Chemistry or Organic Chemistry. In addition to post-doctoral training or related experience, candidate should have three to five years of experience in peptide synthesis in an academic or industrial setting. The preferred candidate will have a strong background in solid phase peptide chemistry with additional experience in solution phase synthesis and a strong publication record in these areas.

We realize diverse perspectives are a key factor in the process of discovery.

At Amgen, you'll find our approach as rewarding as it is effective. We offer a highly competitive compensation and benefits package. Please e-mail your resume/c.v. (indicating resume as your subject) to: jobs@amgen.com or mail your resume to: Amgen, Boulder, Human Resources, Dept. BPSC5722, PO BOX 19409, Boulder, CO 80308-2409. Please consult our on-line Job Bulletin Board at http://www.bio.com for information on other career opportunities available at Amgen. Principals only, please.

EEO/AA Employer M/F/D/V.

Pharmacology Chair
Tulane Medical School
The School of Medicine at Tulane University Medical Center invites applications and nominations for the position of Professor and Chair of the Department of Pharmacology. The position offers exciting opportunities to lead this highly successful department through new research frontiers in the pharmacological sciences and innovative approaches to medical education. Extensive interactions are possible with other medical school basic and clinical science departments and interdisciplinary Medical Center research initiatives in cancer biology, cardiovascular medicine, infectious diseases, neuroscience, gene therapy, women's health, bioenvironmental sciences, and basic molecular and cellular biology.

Applications and nominations may be sent to: Pharmacology Search, Office of the Dean, Tulane University School of Medicine, 1440 Tulane Avenue, SL77, New Orleans, LA 70112. Applicants should submit a letter of interest accompanied by a comprehensive curriculum vitae and the names and addresses of four references. The deadline for receipt of applications is July 15, 1996.

Tulane University is an AA/EEO Employer. Women and minorities are encouraged to apply.

Associate Staff Scientist/Staff Scientist
ICOS Corporation, located in the Pacific Northwest, is a biopharmaceutical company founded to develop medications for the treatment of serious diseases.

We have a need for a molecular and cellular biologist with experience in protein purification and antibody generation and characterization. The person we seek will have research experience in cell cycle checkpoints, DNA repair, and oncology.

Minimum requirements include: Ph.D. (preferably with postdoctoral experience), biochemical characterization of natural and recombinant proteins required.

The successful candidate will have a proven track record based on a strong publication profile and should possess personal initiative, good interpersonal skills, and strong communication ability.

Please send c.v. to:
Job Ref: HOE0596
Human Resources
ICOS CORPORATION
22021 20th Avenue SE
Bothell, WA 98021

Staff Scientist

We are seeking a staff scientist to join our preclinical research group. Responsibilities of the position include: design, conduct, and interpret animal pharmacology and pharmacokinetic studies that support both late stage research programs and development projects. Experience and skills required include: preclinical animal pharmacology; pharmacokinetics; small animal models of inflammation; and extensive animal handling. Experience in the preparation of FDA submissions desirable. The successful candidate will have a Ph.D. and postdoctoral experience in immunology or pharmacology or the equivalent work experience.

Please send c.v. to:
Job Ref: PET0596
Human Resources
ICOS CORPORATION
22021 20th Avenue SE
Bothell, WA 98021

CHAIR
DEPARTMENT OF BIOMEDICAL SCIENCES
UNIVERSITY OF SOUTH ALABAMA

Applications are invited for the position of Chairperson of Biomedical Sciences. Biomedical Sciences is an undergraduate department whose unique mission is to provide a strong undergraduate basic medical sciences degree program for premedical and pre-ph.D. students. The program also provides services including for other health professions students.

Successful applicants will have an earned doctorate in either physiology or pharmacology and must (1) have a distinguished record in teaching and in research; (2) have proven leadership capability and administrative skills; (3) have strong interpersonal skills including the ability to communicate effectively with internal and external constituencies; and (4) have a strong commitment to undergraduate education in basic medical sciences.

Application deadline: June 30, 1996 or until filled.

Send letter, c.v., and 3 letters of reference to: Dr. Daniel E. Sellers, Associate Dean, College of Allied Health Professions, 1500 University Commons, University of South Alabama, Mobile, AL 36688.

The University of South Alabama is an EOE, Affirmative Action Employer. M/F/D.

AMGEN

Tulane University invites applications and nominations for the position of Professor and Chair of the Department of Pharmacology. The position offers exciting opportunities to lead this highly successful department through new research frontiers in the pharmacological sciences and innovative approaches to medical education. Extensive interactions are possible with other medical school basic and clinical science departments and interdisciplinary Medical Center research initiatives in cancer biology, cardiovascular medicine, infectious diseases, neuroscience, gene therapy, women's health, bioenvironmental sciences, and basic molecular and cellular biology.

Applications and nominations may be sent to: Pharmacology Search, Office of the Dean, Tulane University School of Medicine, 1440 Tulane Avenue, SL77, New Orleans, LA 70112. Applicants should submit a letter of interest accompanied by a comprehensive curriculum vitae and the names and addresses of four references. The deadline for receipt of applications is July 15, 1996.

Tulane University is an AA/EEO Employer. Women and minorities are encouraged to apply.
Career Opportunities

Onyx Pharmaceuticals is a dynamic young company engaged in the development of therapeutics for cancer and other diseases associated with abnormal cell growth. We're currently seeking qualified candidates for the following opportunities:

Scientist
The chosen candidate will have demonstrated experience with cellular pharmacology and cellular response to small molecule pharmaceuticals. The position requires a Ph.D. in cell biology, biochemistry or allied discipline; 4-5 years of experience (industry preferred) carrying out cell-based assay setup, screening, and evaluation; and a strong understanding of cellular growth control mechanisms. (Job# 9616AF-S)

Research Associate/Associate Scientist
This position will involve the establishment of a cell-based assay to evaluate compounds/proteins involved in breast tumorigenesis. The successful candidate will possess an MS or Ph.D. in the biological sciences; at least 6 years of practical lab experience; a broad based skill set, to include cloning and expression of genes in mammalian cells; strong knowledge of cancer concepts; and the ability & interpersonal skills to excel in a team-oriented research setting. (Job# 9615PP-S)

To apply, please send/fax resume to: ONYX Pharmaceuticals, Attn: (Job#), 3031 Research Dr., Richmond, CA 94806. Fax: (510) 222-9387, or e-mail to denise@onyx-pharm.com.

Equal Opportunity Employer

CytoTherapeutics, Inc. is a leader in the development of proprietary products and technology designed to deliver therapeutic substances to the central nervous system (CNS). The Company’s CNS-focused technology is designed to provide controlled, site-specific and safe delivery of a variety of novel therapeutic substances across the blood-brain barrier, thereby overcoming a fundamental obstacle in the effective treatment of CNS diseases. The Company is currently developing products for the treatment of chronic pain, ALS, Parkinson's disease and Alzheimer's disease, with additional research efforts directed to several other CNS disorders.

Protein Chemistry Research Associate
You will be responsible for the operation of protein/peptide sequencers; database searches; analysis of protein sequences; research support in protein purification; and characterization using gel electrophoresis, HPLC and FPLC. To qualify, you must have a BS or MS degree and at least 4-8 years of related experience. Hands-on expertise in micro-protein sequencing and proficiency with methods of protein purification is a must. Experience with SMART System, capillary electrophoresis or cell culture is a plus. Excellent organizational and documentation skills also a must.

Analytical Chemistry - Postdoctoral
Your responsibilities will include developing methodologies for characterizing protein/peptides and other substances secreted from primary, immortalized or genetically engineered cells employed in encapsulated cell therapy programs. The ideal candidate will possess a Ph.D. in a related field with expertise in state-of-the-art protein purification, identification and characterization. Ability to design and perform biochemical studies and develop protocols for the characterization and identification of secreted cellular products from encapsulated cell sources. Ability to establish a variety of assay methods for characterizing protein constituents by gel/mass spec analysis and experience in identifying protein/peptides and other cellular products by protein sequencing necessary. Outstanding problem-solving skills with a high level of self-motivation are essential for this position.

CytoTherapeutics is a rapidly expanding biotechnology company in Providence, Rhode Island (just 45 minutes south of Boston). We offer extensive professional challenge and encourage your ideas and professional development. We also offer a competitive compensation and benefits package. Please send your CV in confidence to: CytoTherapeutics, Human Resources, 2 Richmond Square, Providence, RI 02906 or fax to: (401) 272-3485.

CytoTherapeutics

St. Jude Children’s Research Hospital

The Morrison Memorial Postdoctoral Fellowship

The Department of Biochemistry, St. Jude Children’s Research Hospital, is enlarging its research efforts in the area of the molecular and cellular biology of signal transduction. As part of this expansion, the Board of Governors has established a memorial fellowship in honor of Dr. Martin Morrison, the founding chairman of the Department. The research programs within the Department are well-equipped and offer recent Ph.D. or M.D. graduates the opportunity to participate in energetic multidisciplinary groups dealing with a range of basic and clinically oriented research. SJCRH offers a competitive stipend and annual review for reappointment. The beginning date of the fellowship is September 1, 1996. Current research programs within the Department include:

Paul Brindile: Signal dependent regulation of c-activator/transcription factor interactions.
John Cleveland: Oncogene control of apoptosis.
James N. Ihle: Mechanisms of hematopoietic stem cell growth regulation, differentiation and transformation.
Paul Key: Transcriptional regulators of erythroid cell fate.
Suzanne Jackowski: Cell cycle regulation of membrane phospholipid biosynthesis.
Charles Rock: Role of phospholipid-derived second messengers in growth factor action.
Robert Rooney: Mechanisms of transcription factor regulation by the E1A oncoprotein.
Brian Sorrentino: Retrovirally mediated transfer of drug resistance genes to hematopoietic stem cells.
Gerard Zambetti: Function of wild-type and mutant p53 in tumor suppression and oncogenesis.

Applicants should submit a brief statement of their research interests, curriculum vitae, reprints, and the names of three references to:

The Morrison Postdoctoral Fellowship
Department of Biochemistry
St. Jude Children’s Research Hospital
332 North Lauderdale • Memphis, TN 38101
An Equal Opportunity/Affirmative Action Employer
CHEMICAL ENGINEER
RESEARCH PHYSICAL SCIENTIST

The National Center for Agricultural Utilization Research (NCAUR), Peoria, Illinois, has a permanent full-time intergovernmental position open for a CHEMICAL ENGINEER or RESEARCH PHYSICAL SCIENTIST. The scientist, as a team member, will apply current rheological and polymer physics models to develop and analyze rheological and other physical data on a variety of biomaterial suspensions, dispersions, gels, and viscoelastic flows. In addition, the scientist will conduct research on other areas of research including the processing of biopolymers, such as proteins and starch for industrial usage. Candidate must be a U.S. citizen and have a Ph.D. in chemical engineering or physical science or equivalent doctoral degree, or equivalent professional research experience. Knowledge of polymer physics, polymer physical chemistry, and theoretical and experimental rheology required. The recruit will be expected to publish and present research results and participate in technical/professional societies. Salary is commensurate with experience ($43,658 to $67,491 per year). For additional information and position, contact: Dr. Fred Dintzis, USDA/ARS/NCAUR, Telephone: 309-681-6240. For application procedures/forms, contact: Human Resources Division, ARS, Telephone: 301-344-1888. Indicate ad number ARS-DN-077. Application must be postmarked by June 28, 1996. Incomplete applications will not receive consideration. USDA/ARS is an Equal Opportunity Employer.

ASSISTANT PROFESSOR BIOLOGY

Pending administrative approval, the Department of Biology at Vanderbilt University invites applications for a temporary, non-tenure-track position at the level of ASSISTANT PROFESSOR. Successful candidate will be expected to teach a large (200 students) course for non-majors on the subject of "Human Biology," and other courses that complement the needs of the department. Preference will be given to applicants who have an active research program in the area of biological clocks and/or neurobiology. Applicants should submit a curriculum vitae, statement of research and teaching interests, and three letters of reference to: Dr. Michael H. Roberts, Chair, Department of Biology, Box 5805, Clarksville University, Westport, NY 13699-5805. Applications will be reviewed upon receipt. Closing date: May 31, 1996. Clarksuless University is an Equal Opportunity/Affirmative Action Employer. Position posting number 74-95.

UNIVERSITY OF NEBRASKA
MEDICAL CENTER
Pathology/Microbiology

Ph.D. hematologist at the INSTRUCTOR-ASSISTANT PROFESSOR level interested in hematopoietic regulation, stem cell transplantation, and gene therapy. POSTDOCTORAL RESEARCH ASSOCIATE to study the role of heat-shock proteins during stem cell therapy. Experience in flow cytometry, immunoregulation, and molecular immunology required. Curricula Vitae and three reference letters to: James L. Roberts, Ph.D., Pathology/Microbiology, University of Nebraska Medical Center, 600 South 42nd Street, Omaha, NE 68198-5666, Telephone: 402-559-5639. An Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR OF PATHOLOGY

A tenure-track position at the ASSISTANT PROFESSOR level is available for an individual with demonstrated capacity for independent, fundable basic research in the fields of immunity and immune tolerance, and with experience in flow cytometry, to participate in research and service aspects of the Flow Cytometry Division of Clinical Pathology, Department of Pathology, Northwestern University Medical School. Must have Ph.D. or M.D., knowledge of cellular immunology and some molecular biology, laboratory experience but to direct research core activities of the Flow Cytometry Division. Selected candidate will have ample opportunity to interact with members of the Immunobiology Program, Neurosciences Institute, and the Cancer Center. Please send curriculum vitae and names of three references no later than June 20, 1996 to: Janardan K. Reddy, M.D., Chief, Division of Pathology, Northwestern University Medical School, 303 East Chicago Avenue, IL 60611.

Northeastern University is an Equal Opportunity/Affirmative Action Employer. Hiring is contingent upon eligibility to work in the United States.

RESEARCH MOLECULAR BIOLOGIST MD/PHD

USDA/Agricultural Research Service (ARS), National Center for Agricultural Utilization Research, Bioactive Agents Research, Peoria, Illinois invites applications for a permanent full-time SCIENTIST who will be part of a team studying the utilization of food and feed quality and pose a threat to human and animal health. The scientist will provide guidance and expertise in molecular biology and microbiology to identify, sequence, and develop techniques for microbial agents and plant pathogen components that constitute Fusarium sp. virulence and disease on plants. The incumbent will be expected to interact with team members, commodity groups, and external customers. Successful candidates will have a degree in microbiology, plant pathology, or related discipline; knowledge of molecular biology techniques; and ability to work independently. The scientist is expected to be responsible for the research that impacts this particular area of science. Salary is commensurate with experience ($43,658 to $79,754 per year). For information on the research assignment call: Dr. Michael McGuire, Telephone: 309-681-6595; Email: mcguirmr@ncuur.ncaur.gov. For application package, contact: Patricia Jennings, Telephone: 301-344-1258. Applications in response to this advertise ment must be marked ARS-DN-098 and postmarked by June 28, 1996. Incomplete applications will not receive consideration. USDA/ARS is an Equal Opportunity Employer.

The Department of Ecology and Evolutionary Biology at Rice University seeks a LABORATORY COOR- DINATOR, a self-employed (and potentially part-time lecturer appointment) to teach and develop advanced laboratory modules covering topics such as ecology, behavior, evolution, and conservation biology. Involvement of undergraduates in independent research interests is essential. One year of field biology experience is essential. A Master's degree in a related field is required but a Ph.D. is preferred. Candidate must also have at least two years of teaching experience at the high school or college level. Interested applicants should send a resume and three letters of reference to: J. M. Smith, Department of Ecology and Evolutionary Biology, 310 Main Street, Houston, TX 77005-1892. All submission materials must be postmarked before 15 June 1996. Rice University is committed to Affirmative Action and Equal Opportunity to employ.

ENDOWED CHAIR MEDICAL GENETICS

The Department of Pediatrics is soliciting applications for a full-time endowed-chair position. Head of Medical Genetics at the ASSOCIATE PROFESSOR/PROFESSOR level. This is a challenging opportunity for an individual with leadership qualities and research experience to further develop the established medic al genetics program emphasizing education, research, and service excellence. Applicants should forward curriculum vitae and three letters of reference to: Jon Abramson, M.D., Department of Pediatrics, Bowman Gray School of Medicine, Winston-Salem, NC 27157. Affirmative Action/Equal Opportunity Employer.

FORMULATION SCIENTIST

We seek a highly motivated SCIENTIST to join our team of gene delivery researchers engaged in the design, preparation, and characterization of novel lipid-based systems in gene delivery. To qualify, you will have experience working in interdisciplinary teams, at least a B.S., an M.S., or a Ph.D. in chemistry or pharmaceutics sciences, and possess a strong foundation in and analytical skills such as chromatography and analytical spectroscopy. You will also have outstanding written and oral communication skills and demonstrated proficiency in data and statistical analysis.


ASSISTANT OR ASSOCIATE PROFESSOR

Medical Physicist in Nuclear Magnetic Resonance and Medical Imaging

A tenure-track or tenured position of medical physicist in the Department of Radiology at the University of Minnesota will be offered at the ASSISTANT OR ASSOCIATE PROFESSOR level. The individual will conduct MR research in neuroradiology and MR at 1.5 Telsa on echo-planar capable Philips and Siemens MR scanners. Minimum requirements at the Assistant Professor level are a Ph.D. in physics or chemistry, a strong background in mathematics, and at least two years of experience in techniques of MR imaging, MR spectroscopy, and MR angiography with a suitable publication record in peer-reviewed journals. Appointment at the rank of Associate Professor requires a minimum of three years of research experience in the same research areas and an extensive publication record. In addition, the successful candidate must be able to demonstrate experimental and publications in endovascular and vascular interventional techniques, experience with interventional MR equipment, with special expertise in RF coil design. The candidate should also have familiarity with Philips MR scanners and programming language, MR-compatible materials, and contrast agents. Salary is negotiable and competitive. Applications will be accepted through July 12, 1996, and letters to: Dr. E. Russ-Bell Renitour, Director, Physics Section, Department of Radiology (Box 292 UHMC), 420 Delaware Street SE, Minneapolis, MN 55455. The University of Minnesota is an affirmative action and equal opportunity employer and specifically invites and encourages applications from women and minorities.

CALIFORNIA INSTITUTE OF TECHNOLOGY
ASSISTANT PROFESSOR OF GEOLOGY

Applications are being accepted for a tenure-track faculty position in geology in the Division of Geological and Planetary Sciences at the ASSISTANT PROFESSOR level. The initial appointment is for four years. It is possible that a candidate with exceptional qualifications may be considered for a position at a higher level. A strong commitment to innovative research utilizing the geologic record to investigate fundamental processes in the evolution of the earth and to teaching at both the undergraduate and graduate level is expected. We are particularly interested in scientists whose work relates to 1) 3-dimensional characterization of systems for understanding processes in the deep crust and upper mantle; and 2) surficial systems, with emphasis on the development and evolution of marine and terrestrial systems, chemical and physical sedimentation, and the record in sediments of climatic and earth dynamic processes. A curriculum vitae including a list of publications, a brief description of present research activities, and the names of three referees should be sent to: Professor Ed-ward M. Stolper, Chairman, Division of Geological and Planetary Sciences, Mail Stop 170-25, California Institute of Technology, Pasadena, CA 91125.
The Department of Veterinary Pathobiology, Texas Veterinary Medical Center, Texas A&M University, invites applicants for at least three tenure-track faculty positions. Appointments will have approximate 70% effort in research and 30% effort in teaching/service responsibilities. Candidates will be expected to establish and maintain a vigorous and independently funded research program. Research focus should complement the department's areas of parasitology, mechanisms of infectious diseases, pathogenesis, and genetics of host resistance to disease. One position will require a D.V.M. or equivalent degree, ACVP certification for eligibility, and participation in anatomic pathology teaching and necropsy/bioport service as part of the position. The remaining 30% effort is teaching/service effort. The additional positions require a Ph.D. or equivalent degree. The teaching/service effort of these two faculty positions will be 30% and 50% respectively. Departmental core facilities include: automated DNA sequencing and oligonucleotide synthesis; flow cytometry; gene targeting/transgenic mice; morphometric analysis/gel documentation; and histology/immunohistochemistry in situ FCR. College facilities provide an ACAS/Confocal/EM image analysis core. Academic disciplines of the department include parasitology, anatomic pathology, microbiology, immunology, clinical pathology, and molecular genetics. The department's approximately 45 faculty and 70 graduate students participate in diverse research activities including established campus-wide programs in genetics, toxicology, nutrition and neurosciences. Review of applicants will begin immediately and continue until positions are filled. Applicants should send a curriculum vitae, a statement of research interests and goals, pertinent reprints, and a list of three references to: Dr. Jim Wonnacott, Chair, Search Committee, Department of Veterinary Pathobiology, Texas Veterinary Medical Center, Texas A&M University, College Station, TX 77843-4467. Telephone: (409) 845-9810, FAX: (409) 845-9972. Additional departmental information, including current faculty interests, may be viewed via WWW at http://cvmtamu.edu/~vtpb.

Texas A&M University is an equal opportunity employer committed to excellence through diversity, and encourages applications from women and minorities.

Newly Formed Department of Molecular Biology

The Masonic Medical Research Laboratory, a not-for-profit independent basic biomedical research institute located in Upstate New York, invites applications for its newly formed Department of Molecular Biology. Positions at all levels are available, including the position of Director. The Director of the program, Ph.D. and/ or M.D. candidates with experience and interest in molecular biology aspects of the electrical function of the heart will be given preference. Appointees will have the opportunity to collaborate with our well-recognized Experimental Cardiology team (electrophysiologists working at the single cell, tissue, organ, and in vivo levels) as well as our Immunology group. A distinguished record of scientific achievement and a solid track record of extramural grant support are a must. To apply, send a letter of application, a curriculum vitae, and names and addresses of four references to: Dr. Charles Antzelevitch, Director, Masonic Medical Research Laboratory, 2150 Bleecker St., Utica, NY 13501.

Equal Opportunity/Affirmative Action Employer

Postdoctoral Positions

Cell Biology of Development

The Worcester Foundation for Biomedical Research has several openings for Postdoctoral scientists on a recently funded National Institutes of Health training grant entitled The Cell Biology of Development. These positions may be filled only by US Citizens or Permanent Residents. A list of faculty and their research interests are shown below:

- F. Rob Jackson, Ph.D. - Molecular and cellular analysis of the Drosophila circadian timing system.
- Michele Jacob, Ph.D. - Regulation of neuronal synaptic formation - changes in gene expression that underlie synaptogenesis; and the targeting components to synaptic microdomains.
- Daniel Kilpatrick, Ph.D. - Transcriptional control of spermatogenesis and neuronal differentiation.
- Elizabeth Luna, Ph.D. - Structure, function, and regulation of membrane skeletons in motile cells.
- Thora Pederson, Ph.D. - RNA processing and trafficking; ribonuclease proteins.
- Joel D. Richter, Ph.D. - Post-transcriptional regulation of somogy and mouse development.
- Alonzo Ross, Ph.D. - Neurotransmitter receptors and differentiation of neural tumors.
- Richard Valle, Ph.D. - Microtubule motor proteins; role of dynamin in endocytosis and synaptic function.

Greenfield Slader, Ph.D. - Checkpoint controls for entry into mitosis and anaphase onset; control of centrosome reproduction.
- George Witan, Ph.D. - Molecular genetic analysis of dynexin and flagellar motility; phototransductive twitching in Chlamydomonas; mammalian sperm maturation.
- David Wolf, Ph.D. - Structure, function and dynamics of the nerve growth factor receptor.
- Paul Zamecnik, Ph.D. - Antisense inhibition of viral and parasitic diseases.

Please send curriculum vitae and names of three references to the faculty member(s) of interest, c/o Human Resources, Worcester Foundation for Biomedical Research, 222 Maple Avenue, Shrewsbury, MA 01545, USA. An Equal Opportunity/Affirmative Action Employer M/F/H.

RICE UNIVERSITY
INSTITUTE OF BIOSCIENCES AND BIOENGINEERING
NASA Specialized Center of Research and Training (NSCORT) in Gravitational Biology

A new NSCORT has been established in the Institute of Biosciences and Bioengineering at Rice with research emphasis at the Johnson Space Center. Immediate and future postdoctoral and graduate positions in the area of Gravitational Biology, in particular the investigation of the effects of gravity and other environmental factors on biological function at the cellular and molecular level, are available. The goal of the Rice NSCORT is to develop a high quality training and research program to establish a NASA-university base for space-related research. Major research projects span a wide range of interests and include:

- Molecular and Developmental Responses of Plants to Mechanical Stimuli (Janet Braam)
- Pressure-Sensing MAP Kinase Cascades in Yeast and Mammals (Michael Gustin)
- Laminar Fluid Flow Effects on Mammalian Cell Protein Synthesis and Secretion (Larry V. McIntyre)
- Role of Gravity in Early Embryonic Pattern Formation (Kate Beckingham)
- Role of Gravity in the Development and Function of the Drosophila Nervous System (Michael Stern)
- Regulation of Gl Cyclins and their Cyclin-Dependent Kinases During T Cell Activation in Hydropathy Culture (Clarence F. Sams, Johnson Space Center)
- Microgravity Induced Changes in Lymphocyte Movement Through Intestistum (Neal Pelli, Johnson Space Center)
- Microgravity Effects on Lymphocyte Adhesion and Motility (Kyrilacos Zygozankis)
- Mechanical Load Effects on Bone Formation (Antonios G. Mikos and Peggy Whitson)
- Mechanical Loading, Growth Factor Release and Regulation of Skeletal Muscle Mass: A Potential Site for the Application of Microgravity-induced Muscle Arthropy Countermeasures (Daniel L. Feeback, Johnson Space Center)
- Hypergravity and Simulated Hydropathy Effects on Cytoskeletal Components of Attachment-Dependent Cells and Suspension Cells (Peggy A. Whitson and Clarence F. Sams, Johnson Space Center)
- Microgravity: Effects on Microbe-Host Interactions (George Bennett and Frederick Rudolph)

POSTDOCTORAL POSITIONS IMMEDIATELY AVAILABLE

- To study mechanical load effects on osteoblast gene expression and bone formation using three-dimensional osteoblast cultures (Antonios G. Mikos)
- To examine the effects of mechanical and gravitational forces on cytoskeletal function and stress response gene expression in Drosophila melanogaster (Kate Beckingham)

Applicants should send a CV, three letters of reference, and a statement of research interests to Dr. Frederick B. Rudolph, Institute of Biosciences and Bioengineering, NSCORT Project, Rice University - MS 144, 6100 S. Main, Houston, Texas 77008, Phone: (713)527-4015; EMail: fbr@rice.edu; Fax: (713)285-5154. Rice University is an equal opportunity employer.
ASSISTANT PROFESSOR
Fisheries, Animal and Veterinary Science
(Shellfish Pathology)
Ph.D. or D.V.M. and postdoctoral experience in fish/shellfish pathology, invertebrate pathology, or microbiology are required. Preference will be given to candidates with evidence of previous work experience with the commercial aquaculture and/or fishing industries and with the pathogenesis of diseases. Kentucky is dedicated to undergraduate and graduate teaching, and potential for research and scholarly activity. This is a TENURE-TRACK, academic year position beginning in September 1996. Send curriculum vitae and names and addresses of three references by June 1, 1996 to: Anthony Malillo, Search Committee Chair, Log (Number 191152), University of Rhode Island, P.O. Box 184, Kingston, RI 02881. The University of Rhode Island is an Affirmative Action/Equal Employment Opportunity Employer and is committed to increasing the diversity of its faculty, staff and students. People from under-represented groups are encouraged to apply.

COGNITIVE NEUROSCIENTIST (Ph.D.) at postdoctoral or faculty level, for research in patients and normal subjects, using depth electrode recordings, computerized paradigms, and MRI. Send curriculum vitae and letter of interest to: Dr. Miguel Merzenich, Center for Cognitive Neurology, Northwestern University Medical School, 320 East Superior Street, 11-450, Chicago, IL 60611. Affirmative Action/Equal Employment Opportunity Employer.

FACULTY POSITION
PSYCHIATRIC NEUROIMAGING RESEARCH
The University of North Carolina School of Medicine at Chapel Hill is seeking candidates for a tenure-track (or tenure-track) FACULTY position to provide leadership in neuroimaging research for the Department of Psychiatry and the Mental Health and Neuroscience Clinical Research Center. Candidates should have an M.D. or Ph.D. and a strong record in psychological, neuroanatomical, and/or functional magnetic resonance imaging and spectroscopy and a documented record of accomplishment in the area of psychophysiology and/or affective disorders research. The successful candidate will work collaboratively with a team of MHCRC investigators from both the University of North Carolina and Duke University, and is expected to support existing and to develop his/her independent research as well. Faculty appointment and salary will be consistent with the candidate's level of experience and accomplishment.

Interested applicants should send a curriculum vitae, statement of research interests, and three letters of reference to: Jeffrey A. Lieberman, M.D., Vice Chairman, Department of Psychiatry, Chair of Search Committee, Campus Box 7160, University of North Carolina School of Medicine, Chapel Hill, NC 27599-7160. The search will be continued until the successful candidate is found.

TENURE-TRACK, ASSISTANT PROFESSOR
Department of Microbiology and Immunology
Virginia Commonwealth University
Tenure-track ASSISTANT PROFESSORSHIP in the Department of Microbiology and Immunology at Virginia Commonwealth University. The successful candidate is required to have formal training and expertise in molecular microbiology with emphasis in mechanisms of pathogenesis or gene expression in lower eukaryotes. Applicants must hold a Ph.D. or equivalent degree and have at least two years of productive postdoctoral experience. Successful applicants should explain and maintain strong, grant-supported independent research program including training of graduate students and postdoctoral associates. Participation in graduate and professional level teaching and service activities is required. Send a statement of research interests, a curriculum vitae, and a three letters of reference prior to November 15, 1996 to: Dr. Donald P. Macrina, Building 191, MCV, Richmond, VA 23298-0678. Virginia Commonwealth University is a culturally diverse, Equal Opportunity/Affirmative Action Employer. Women, minorities, and persons with disabilities are encouraged to apply.

ASSISTANT PROFESSOR
University of California, Irvine
Applications are invited for a TENURE-TRACK FACULTY position in the Department of Biological Chemistry, College of Medicine, University of California, Irvine. Candidates whose research interests lie primarily within the general fields of molecular biology and biochemistry are encouraged to apply. The successful candidate is expected to develop a strong, independent research program; participate in the interdepartmental graduate program; and contribute to graduate and medical teaching. Individuals holding the Ph.D. or M.D./Ph.D. degree may apply by sending a letter of interest, curriculum vitae, outline of proposed research program, and three letters of reference prior to January 15, 1996 to: Chair, Biological Chemistry Search Committee, Department of Biological Chemistry, College of Medicine, University of California, Irvine, CA 92717. Salary will be commensurate with experience. Candidates may begin work after July 1, 1996, use the following zip code: 92697-1700.

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

We are seeking a SPECIALIST in statistical and computing applications to entomological research. Responsibilities will include experimental design and analysis and supervising and maintaining the operations of the Center for the Care of Insects. This is a TERMINAL-TRACK position, tenure is under consideration. Send curriculum vitae and three letters of reference to: Dr. Arthur S. Pinkston, Associate Professor, University of California, Davis, CA 95616. Salary will be commensurate with experience. Assistant position is available immediately.

POSTDOCTORAL FELLOW
Clinical Microbiology
POSTDOCTORAL FELLOW sought for position in laboratory pursuing novel reagents and techniques for the diagnosis of pneumococci. A collection of strains from all over the world is available. Work will entail clinical epidemiological analysis of these strains by molecular methods, including restriction fragment length polymorphism, multiplex enzyme electrophoresis, and pulse field gel electrophoresis analysis. Send letter of application and résumé to: Peter C. Appelbaum, M.D., Ph.D., Department of Pathology, Hershey Medical Center, 500 University Drive, P.O. Box 850, Hershey, PA 17033-0850. Telephone: 717-531-5118; FAX: 717-531-3803 or 3976. For your health, Hershey Medical Center is a smoke-free campus. We are an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.
RESEARCH ASSOCIATE
ANIMAL SCIENCE

DNX Transgenics is a leader in providing transgenic animal production and research capabilities to the biomedical research community. Due to consistent growth requirements from our biotechnology and pharmaceutical clients, an opportunity exists for a Research Associate-Animal Science, to conduct transgenic animal projects and be a member of our Animal Resources Management Team.

Qualified candidates should have a B.S. in Animal Science (or related field) with 5-10 years of experience in animal science and SPF rodent colony operations. Familiarity with the operation of a transgenic animal facility and molecular genetics is preferred. AALAS certification as a Laboratory Animal Technician required. Good communication and computer skills a must.

DNX offers competitive salary, comprehensive benefits package and an excellent working environment. Please send curriculum vitae and references to: Human Resources, DNX Corporation, 575 Route 28, Raritan, NJ 08869. EOE.

BIOCHEM PHARMA

Associate Director, Cancer Biology
LOCATION: MONTREAL, CANADA

Reporting to the Director of Biology, you will be responsible for managing the Montreal Cancer Biology research group, composed of ten scientists, and help coordinate angiogenesis research efforts between the Montreal and Boston sites.

Your qualifications include a PhD and postdoctoral experience in cellular/molecular biology, combined with at least six years of experience in an appropriate field of cancer biology (current research activities, integrins, growth factor, biochemistry, DNA replication/repair).

If you share our commitment to excellence and demonstrate a capacity for teamwork, kindly send your resume to the Human Resources Department, BioChem Therapeutic Inc., 275 Armand-Frappier Blvd., Laval, Quebec, Canada H7V 4A7.

Chairman, Department of Biochemistry and Molecular Biology
Medical College of Ohio

The Medical College of Ohio invites applications for the position of professor and chairman of the Department of Biochemistry and Molecular Biology. Candidates must have a Ph.D. or M.D. degree (or their equivalents) and have an outstanding record of scientific accomplishments, research funding, graduate and medical education, and evidence for administrative and leadership ability. The successful candidate will lead a strong department of eleven full-time faculty with strengths in molecular biology, enzymology, peptide chemistry and regulation of cell growth.

The Medical College of Ohio is a free-standing, state-supported institution with outstanding modern educational, research and clinical facilities. We seek an energetic and highly interactive chairperson who will promote the future growth of the department to implement the missions of the School of Medicine and the College. To apply, send a curriculum vitae and the names of three references to:

John P. Rapp, D.V.M., Ph.D.
Chairman, Biochemistry Search Committee
Professor and Chairman
Department of Physiology & Molecular Medicine
Medical College of Ohio
P.O. Box 10008
Toledo, Ohio 43699-0008

Home Page Address is: http://www.mco.edu

The Medical College of Ohio is an Affirmative Action/Equal Opportunity Employer.

Mallinckrodt Veterinary, Inc., a global animal health company, is increasing its focus on the development of vaccines to prevent animal diseases and infections. We have several immediate openings for highly motivated professionals to join our Viral Vaccine Development and Immunology/Parasite Vaccine Development Groups at our state of the art global Science and Technology Center in the north Chicago suburb of Mundelein, Illinois.

VIROLOGISTS,
IMMUNOLOGISTS AND
PARASITOLOGISTS

We are seeking experienced Research Scientists at all levels to assist in the development and assessment of animal vaccines. Research Scientists (DVM and/or Ph.D.) positions are required in the areas of virology, parasitology, immunology and cellular and/or molecular immunology. Associate and Assistant Research Scientist (MS/BS) positions are required with expertise in the above disciplines as well as cell and tissue culture, hybridoma technology for the production of monoclonal antibodies. Technicians (BS) are also encouraged to apply.

Mallinckrodt offers excellent compensation and benefits, including 401(K) and stock options, and an excellent potential for growth. For consideration, please send your resume with salary history to: Mallinckrodt Veterinary, Attn: Human Resources Dept. SCI, 421 E. Hawley St., Mundelein, IL 60060. FAX: 847-949-3476. Equal Opportunity Employer.
POSTDOCTORAL FELLOWS

Two POSTDOCTORAL/RESEARCH ASSOCIATE positions available June 1996 for recent graduates (Ph.D. or M.D./Ph.D.) in molecular or cellular biology with interests in signal transduction and cancer invasion of metastasis. The first project involves the signaling mechanism(s) of lipoprotein-derived bioactive lipids, and the second involves the cloning of a novel lipid molecule receptor and lipoprotein enzyme binding proteins. The work involves state-of-the-art molecular and cellular biological techniques. Candidates should have experience in one or more of the following areas: molecular biology including cloning, protein-protein interaction, signal transduction or cilia. Preference will be given to candidates with demonstrated research ability and strong written communication skills. Minimum salary: $27,000 dependent upon experience. Please send: 1) a brief statement of research interests, capabilities, and goals; 2) curriculum vitae; 3) addresses, fax, and telephone number(s); and 4) three references to: Dr. Kenneth V. Honn, Professor, 431 Chemistry, Wayne State University, Detroit, MI 48202. Email: KHONN@CMS.WayneState.edu. Wayne State University is an Equal Opportunity/Affirmative Action Employer. All buildings, structures, and vehicles at Wayne State University are smoke-free. Wayne State University—People working together to provide quality service.

POSTDOCTORAL POSITIONS

The molecular pathogenesis of adenovirus and the development of novel adenovirus gene therapy vectors. Research on the mechanism by which adenovirus proteins inhibit and promote apoptosis, inhibit CDK killing; affect TNF, Fas, and Fas, and EG F2 signaling; inhibit inflammation in transgenic mouse models; and are sorted to cellular organelles. Experience in molecular/cellular biology or immunology is required. Send curriculum vitae and names of three references to: William S. M. Wold, Ph.D., Professor and Chairman Department of Molecular Medicine and Immunology St. Louis University School of Medicine 1460 South Grand Boulevard St. Louis, MO 63104 Equal Opportunity Employer.

POSTDOCTORAL POSITION available to study ApoE/lipoprotein expression and function in Alzheimer's disease and animal models. Experience with cell culture, neuroanatomy, molecular biology, and lipoprotein biochemistry highly desirable. One to two years of support available, collaborative opportunities with UCLA ADP. Send curriculum vitae, statement of research experience, and references with addresses and telephone numbers to: Gary Small, M.D., UCLA Neuropsychiatric Institute, 760 Westwood Plaza, Los Angeles, CA 90024.

POSTDOCTORAL RESEARCH ASSOCIATE

Positions are available on an ongoing basis to conduct research within different research groups in the Institute of Molecular Biology at the University of Oregon. The purpose of this notice is to publish and maintain a pool of qualified applicants. Ph.D. in molecular biology or related field is required. Salary dependent upon experience. For applications materials, telephone 503-370-5151; Email: rita@prospero.uoregon.edu. An Equal Opportunity/Affirmative Action Institution committed to cultural diversity and compliance with the ADA. Women and minorities are urged to apply.

BIOMEDICAL SCIENTIST/INTERNET SPECIALIST

Noncommercial biomedical corporation needs SCIENTIST to develop and present seminars about the Internet. Audience: professional groups. Should have M.S. or Ph.D. degree in health field. Excellent pay. Applicant must be willing to travel and speak two to three times a week. No need to relocate. Write: Biomed, 2425-B Channing Way, Suite 457, Berkeley, CA 94704. FAX: 510-652-1859.

Yale UNIVERSITY

SCHOOL OF MEDICINE DEPARTMENT OF CELL BIOLOGY POSITION AVAILABILITY

POSTDOCTORAL POSITIONS are available in the laboratory focused on signal transduction events in bone cell systems. Candidates should either have a recent Ph.D. or be able to start postdoctoral training immediately. Research areas include: cell and/or molecular biology, molecular genetics, biochemistry, signal transduction, or bone cell biology. The positions are for a minimum period of two years, starting any time between September 1996 and June 1997. Interested candidates should send a curriculum vitae and the names of two references to: Dr. Roland Baron, Yale University School of Medicine, 533 Cedar Street, Building SHM-Room 1E55, New Haven, CT 06510. An Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL FELLOWSHIPS

THE UNIVERSITY OF KANSAS MEDICAL CENTER

Center for Reproductive Sciences Molecular and Cellular Aspects of Reproductive Development

Faculty and research topics include: Glenda Andrews—gene expression in reproductive tract; S. K. Dey—embryo development and implantation; George Enders—spermagonial cell reactivation; Joan Hunt—immunobiology of pregnancy; Girish Shah—primary gene regulation; Michael Soares—trophoblast differentiation and cell signaling; Joseph Tash—spem motility regulation; Paul Terranova—cytokines and ovarian cell function; James Vogt—pregnancy control; Michael Wolf—regulation of gonadotropin gene expression.

Support is provided by an NIH training grant for U.S. citizens or permanent residents. Send a letter indicating research interest and preceptor choice(s), curriculum vitae, and three letters of recommendation to: Dr. S. K. Dey, Department of Physiology, Kansas University Medical Center, 3901 Rainbow Boulevard, Kansas City, KS 66160. Email: SDEY@KUMC.EDU. Minorities and women are encouraged to apply.

POSTDOCTORAL POSITIONS

NIH-funded positions to study structure and signaling mechanism of peptide hormone receptor involved in cardiovascular regulation. Strong background in protein chemistry, site-directed mutagenesis, protein expression is required. Send curriculum vitae and names of three references to: Dr. Kunio Misono, Department of Molecular Cardiology, Cleveland Clinic Foundation, 9500 Euclid Avenue, Cleveland, OH 44195-5071. Email: misonok@cesmtp.ccf.org.

POSTDOCTORAL POSITION available August 1, 1996. Suppressors of MTC class I and II gene expression is being studied. Background or experience in molecular biology is essential; basic knowledge of immunology and transgenic animal development is needed. Candidates apply to: Dr. James B. D'Amours, Department of Surgery, Yale University School of Medicine, 333 Cedar Street-121 FMB, New Haven, CT 06520. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOWSHIP in Bone Histomorphometry available immediately for work on experimental animals. Studies will include evaluation of new osteogenic therapies. Ph.D. or M.D. required, and position involves interactions with a large, multidisciplinary lab of Ph.D.s and M.D.s performing osteoporosis-related research. Send curriculum vitae and cover letter to: Ms. C. Farrell, P.O. Box 7210, Loma Linda, CA 92354.

RESEARCH ASSOCIATE: Using geochemistry methods, research tectonic evolution in relation to basin inversion. Emphasis on application of U/Pb, Sm/Nd, and other TIMS analysis. Perform coral and 230 Th dating and develop 231 Pa dating. Requirements: Ph.D. degree in mineral deposits or geochemistry. Three years of experience in job offered or in closely related research. Duties include: three years of research in the field of trace metal elemental and isotopic geochemistry of granitoid and basaltic rocks. Research experience is required. Salary range: $30,000-35,000.

POSTDOCTORAL POSITIONS available to study the mechanisms by which growing sensory axons choose the appropriate pathways to follow in the chick hindlimb. Research focuses on proteins present in the chick embryo with specific molecules affecting axonal interactions and thereby influence pathfinding decisions. Approaches include confocal microscopy, in situ hybridization, and tissue culture assays. Send curriculum vitae and names of three references to: Dr. Marcia Honig, Department of Anatomy and Neurobiology, University of Tennessee, Memphis, TN 38163. University of Tennessee is an Affirmative Action/Affirmative Action Title VI/Title IX/Section 504/ADA/ADEA Employer.

POSTDOCTORAL FELLOWS—Research positions available to study 1) the molecular mechanisms of a pleiotropic global regulator, sap, in S. amarae pathogensis; 2) the molecular interaction between S. amarae and mammalian cells. Requires recent graduate and experience in molecular biology and/or cell biology. Prior work with transcription regulation, protein-protein interaction, or mammalian cell culture is desirable. Send curriculum vitae and three references to: Dr. Ambrose Cheung, Box 172, The Rockefeller University, 1230 York Avenue, New York, NY 10021. Email: cheungv@rockvax. rockefeller.edu.

POSTDOCTORAL POSITION in molecular parasitology available to study mitochondrial DNA replication and RNA splicing in the malarial parasite. Experience in molecular biology, research in protein purification, and excellent English language skills required. Send curriculum vitae and names of three references to: Dr. Dan S. Ray, Molecular Biology Institute, UCLA, Los Angeles, CA 90095-1570. Email: danray@mbi.ucla.edu.

POSTDOCTORAL POSITION

University of California and Veterans Administration Medical Center (VAMC). The VAMC has a position immediately available for a qualified individual to join a group studying the regulation of breast cancer by growth factors and hormones including vitamin D. Applicants should have a Ph.D. in molecular and/or cellular biology. Please send curriculum vitae and names of three references to: Daniel Bkle, M.D., Ph.D., Department of Medicine, VAMC (111N), 4150 Clement Street, San Francisco, CA 94121.

POSTDOCTORAL POSITION

On team developing an instrument for 3D plant canopy imaging and soil moisture monitoring. Machine vision and engineering experience required. Send letter, résumé, transcripts, and three letters of reference to: Dr. Naisang Zhang, Biological and Agricultural Engineering, Kansas State University, Manhattan, KS 66506-2906. Kansas State University is an Affirmative Action/Equal Opportunity Employer and encourages diversity among its employees.

POSTDOCTORAL RESEARCH ASSOCIATE

Position available to study the role of neuronal growth factors in neuronal plasticity. Ph.D. in neuroscience-related area and experience with one or more of the following is required: 1) visual culture, stereotaxic surgery, molecular biology, immunohistochemistry, neurochemistry. Send curriculum vitae to: Keith Crutcher, Ph.D., Department of Neuroscience, University of Cincinnati, Cincinnati, OH 45267-0515. http://crutcherlab.med.uc.edu. Affirmative Action/Equal Opportunity Employer.

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Tumor Postdoctoral Fellowship Positions

Immediate opening for two full-time Postdoctoral Fellowships in the Tumor Immunology Section, Surgery Branch, National Cancer Institute, National Institutes of Health, Bethesda, Maryland, to study the immune response to tumor cells in murine models and in humans.

We seek candidates with experience in molecular biology for one position, and someone with experience in cellular immunology for the second position. Ongoing projects include the study of breaking immune tolerance to tumor-associated differentiation antigens and the development of synthetic and recombinant anti-cancer vaccines.

Selections for these positions will be based solely on merit, with no discrimination for non-merit reasons such as race, color, religion, gender, national origin, politics, marital status, physical or mental disability, age, sexual orientation, or membership or non-membership in an employee organization. The NIH is an Equal Opportunity/Affirmative Action Employer.

Send cover letter, CV, and statement of research interests to: Steven A. Rosenberg, M.D., Ph.D., Chief of Surgery, National Cancer Institute, Building 10, Room 2B42, Bethesda, Maryland 20892-1502, (301) 496-4164.

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Institute for Genetic Medicine
University of Southern California
Assistant or Associate Professor

The Institute for Genetic Medicine and the Department of Surgery are seeking candidates with special research interests in molecular biology and genetics as they relate to human disease. The successful candidate will have a joint appointment in the Department of Surgery and in an appropriate basic science department of the School of Medicine. Candidates with a wide range of interests will be considered, including research activities involving development of models for human genetic disease, homologous recombination in embryonic stem cells, development of gene transfer vehicles including retroviruses and genetically engineered cells, the molecular genetics and biology of stem cells and cytokines, and the molecular genetics of human disease. Clinically based research could be an important component of the program. The faculty appointee must have a Ph.D. or M.D. degree and will be expected to interact with surgical faculty and fellows in addition to developing an independent research program and participating in both medical and graduate student teaching programs. Faculty members will be housed within newly remodeled space in the Institute for Genetic Medicine/Norris Comprehensive Cancer Center Gene Therapy Program. Candidates eligible for an associate professorial appointment should demonstrate evidence of extramurally funded and sustained research programs.

The University of Southern California and its Medical School have made a major commitment to building a program in gene therapy and genetic medicine. The faculty members will play a major role in defining the future expansion of the Institute for Genetic Medicine.

Candidates should send their curriculum vitae, bibliography, a statement of research and teaching interests and the names, addresses, fax numbers and e-mail addresses of three references to Laurence H. Kedes, M.D., Director, Institute for Genetic Medicine, University of Southern California, 2111 Zonal Avenue, HMR #413, Los Angeles, CA 90033

The University of Southern California is an equal opportunity affirmative action employer.

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At Boehringer Ingelheim, our commitment to innovative research and scientific exploration has made us a major international pharmaceutical company. Currently, our world-class team has an opportunity for a detail-oriented scientist to join us in our state-of-the-art Connecticut facility.

The primary responsibility is optimization of protein expression in small scale cell culture, working with bacterial, insect cell and mammalian systems, specifically cell cloning, screening and selection of optimal cell lines for further scale-up.

Additional responsibilities include media optimization, assessment of cell line stability and support of transfer to pilot scale cell culture facility.

Qualified individuals will possess a Ph.D. in Molecular or Cellular Biology or related field with 1-3 years post doctoral experience. This team player will have 1-3 years experience in the aforementioned expression systems with effective communication and interpersonal skills, personal initiative, flexibility and possess the ability to work with colleagues in other disciplines to meet ambitious project objectives. Candidates with prior product development experience are especially encouraged to apply.

Boehringer Ingelheim’s facility is located on a campus-like setting in a beautiful area of Western Connecticut, which borders New York State. We offer excellent facilities and a supportive and challenging environment. For an opportunity to contribute to our innovative programs, please send your resume and a brief cover letter to: Boehringer Ingelheim Pharmaceuticals, Inc., Dept. MHI-47 520, 900 Ridgebury Road, P.O. Box 368, Ridgefield, CT 06877. We are an equal opportunity employer. As a progressive health care company, we have a smoke-free environment.

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ASSOCIATE SCIENTIST - PROBE DESIGN/BIOINFORMATICS

Ciba Corning, a Chiron business, is a leader in the delivery of critical care and immunodiagnostic systems. We are currently engaged in extending the branched DNA/bDNA assay technology first introduced by Chiron Corporation. bDNA assays are being used successfully as metrics for therapies targeted against HIV, HBV and HCV (Therameric™ assays).

As part of this program, we are looking for an Associate Scientist in the area of probe design/bioinformatics. You will be engaged in the development of novel software applications for probe design, modeling of probe interactions, and experimental verification of the same. Applicants should have excellent computer skills, including Visual Basic and C experience, formal training (MS or BS) in either the areas of molecular biology, biochemistry, or physical chemistry, and relevant work experience.

For confidential consideration, please forward your resume to: Job Code 5S009, Human Resources Department, Ciba Corning Diagnostics Corp., 63 North St., Medfield, MA 02052. Or Fax resume to: (508) 359-3595. Our internet address is: jobs@cbadig.com.

Ciba Corning is an Equal Opportunity/Affirmative Action Employer, M/F/D/V.

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A Chiron Business
POSTDOCTORAL RESEARCH
UNIVERSITY OF ILLINOIS AT CHICAGO
COLLEGE OF MEDICINE

Transcriptional Regulation of Myeloid Genes
Molecular Biology and Functions of Eosinophils

Positions available for two Ph.D.'s: 1) To characterize the regulatory regions of eosinophil genes, to clone and characterize transcription factors that regulate eosinophil-specific gene expression, and to study the role of these factors in eosinophil development and function. Genes under study include the alpha subunit of the IL-5 receptor, the granule cytoskeletal proteins, and eosinophil-generated cytokines. Molecular biology experience in gene regulation/transcription factor research required. 2) To analyze structure-function relationships for granule cytoskeletal proteins and eosinophil-generated cytokines, and their mechanisms of action in the pathogenesis of inflammation, tissue damage and airways dysfunction in allergic and other eosinophil-associated diseases. Experience in molecular and cellular biology, protein engineering, expression and purification desirable. Send curriculum vitae and two reprints to: Steven J. Ackerman, Ph.D., Department of Biochemistry (M/C 556), University of Illinois at Chicago, A-312 College of Medicine West, 1819 West Polk Street, Chicago, IL 60612-7334. FAX: 312-413-0364.

Los Angeles is an Affirmative Action/Equal Opportunity Employer.

Computing Services Director—Fixed term, 1.00 FTE 12-month non-tenure track FACULTY RESEARCH ASSISTANT The Biological Informational Computing Consortium (BICC) at Oregon State University (OSU), coordinating the development and operation of a large computer services system in an academic setting. The successful candidate will lead a team of BICC support personnel and departmental computer administrators in the provision of a state-of-the-art computing environment for research and instruction. This position requires skills in UNIX and Novell file server support, the management and coordination of network services and computer service administration. The successful candidate will have a B.S. or M.S. in computer science or related field, in addition to two years of related experience. Submit letter of application; curriculum vitae; and the names, addresses, and telephone numbers of three individuals who may be contacted for interviews. Send Computing Services Director Search, Department of Entomology, 2046 Cordley, Oregon State University, Corvallis, OR 97331-2907 by June 1, 1996. OSU is an Affirmative Action/Equal Employment Opportunity Employer and has a policy of being responsive to dual career needs.

POSTDOCTORAL POSITION—UCLA—Molecular Cardiology, available immediately to study integrin signaling and tissue remodeling in cardiovascular disease, using cell and transgenic models. Ph.D. or M.D. degree and expertise in molecular biology required; animal physiology training helpful. Send curriculum vitae and names and addresses of three references to: Dr. Thomas Ross, Department of Physiology, UCLA School of Medicine, Los Angeles, CA 90095-1751. Telephone: 619-558-8855. FAX: 619-552-7499. Email: ross@ucla.edu. The University of California is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITIONS are available to study transcriptional and posttranscriptional regulation of gene expression in human and rodent hepatocytes. NIH-funded projects focus on cyclic nucleotide regulation of plasminogen activator inhibitor mRNA degradation, and on cytokine regulation of cellular differentiation in vitro and in vivo. Molecular biology experience is required. Send curriculum vitae, statement of research interests, and names of three references to: Dr. Donald Thraen, Department of Human Genetics, Box 0618, University of Michigan Medical School, Ann Arbor, MI 48109-0618. Equal Opportunity/Affirmative Action Employer.

UCLA NEUROSCIENCE POSTDOCTORAL POSITIONS available immediately to study the structure, function, and biogenesis of voltage-dependent potassium channels. Experience in molecular biology, electrophysiology, or biochemistry is desirable. Submit curriculum vitae, a brief statement of research interests, and three letters of recommendation to: Dr. Diane M. Papazian, Department of Physiology, Box 951751, UCLA School of Medicine, Los Angeles, CA 90095-1751. Email: papazian@physiology.medsci.ucla.edu.

POSTDOCTORAL RESEARCH ASSOCIATE for university in central Ohio. Purifies an oncotic factor (OPF), clones the gene encoding OPF, and uses expression vectors for the recombinant protein; performs clinical trials in both animals and humans and optimizes an ELISA test to determine the plasma levels of OPF and explores the immunosuppressive function and immunothera- psy of OPF. Master's in molecular genetics or biochemistry and one year of experience in above-described duties on recombinant protein expression. Send curriculum vitae, molecular cloning, and experimental animals, including the following techniques: 1) column chromatography, high performance liquid chromatography (HPLC), and fast performance liquid chromatography (FPLC); SDS-PAGE, spectrophotometer, and immunoblotting; 2) gene cloning, DNA sequencing, PCR, RNA and DNA extraction, and Southern blot; 3) blood sampling and preparation, ELISA, experimental animal handling and dissecting, and statistical analysis; and 4) flow cytometry, phase-contrast and electron microscopy, fluorescent staining and microscopy, and cell culture. Experience may have been gained before, during, and after the degree. 40 hours per week, 8 a.m. to 5 p.m., Monday through Friday. $22,500. Send two resumes and cover letter to: P.O. Box 1618, Columbus, OH 43216.

DNA SEQUENCING

A position is available for a POSTDOCTORAL scientist in a busy molecular diagnostic laboratory. Experience in automated DNA sequencing is required. The candidate will be expected to develop a new core diagnostic facility for screening genetic disease. Send curriculum vitae and three letters of reference to: Box 67

1200 New York Avenue, NW
Washington, DC 20005

POSTDOCTORAL POSITION is available in a project to probe fundamental analysis of the mammalian genome. We have developed a method to create chromosomal deletion complexes in mice using ES cells. The deletion sets in defined regions will reveal new developmentally important genes, and assist in the analysis of the known mutants. Applicants should have molecular biology experience, and preferably some background in development. Send curriculum vitae and three letters of reference to: The Jackson Laboratory, Bar Harbor, ME 04609. Email: js@arachosia.jax.org. Telephone: 207-288-6402; http://tena.jax.org/ /js/.

POSTDOCTORAL FELLOWSHIPS—Yale University School of Medicine—in Cell and Molecular Physiology and Biology. Ph.D.s or M.D.s. Specific training in molecular and/or cellular neurobiology. Special interests include mechanisms of cell injury as a result of environmental stress or cell death. Expertise in either electrophysiology or molecular genetics is desirable. For the Drosophila genetics must be U.S. citizens/permanent residents. Please send curriculum vitae to: Gabriel G. Haddad, M.D., Department of Pediatrics, Yale University School of Medicine, 333 Cedar Street, P/IMP 606, New Haven, CT 06520. Yale University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITIONS

A POSTDOCTORAL POSITION is available immediately to conduct a postdoctoral study as part of a collaborative project focused on a specific aspect of disease. The research project will include isolation of mutant alleles using genetic techniques and characterization of mutant proteins. Strong background in biochemistry and molecular biology is required. Send curriculum vitae and three letters of recommendation to: Frederick Gimble, Texas A&M University—IBT, 2121 West Holcombe Boulevard, Houston, TX 77030. Affirmative Action/Equal Employment Opportunity Employer.

POSTDOCTORAL POSITIONS

A POSTDOCTORAL POSITION is available immediately to conduct a postdoctoral study as part of a collaborative project focused on a specific aspect of disease. The research project will include isolation of mutant alleles using genetic techniques and characterization of mutant proteins. Strong background in biochemistry and molecular biology is required. Send curriculum vitae and three letters of recommendation to: Frederick Gimble, Texas A&M University—IBT, 2121 West Holcombe Boulevard, Houston, TX 77030. Affirmative Action/Equal Employment Opportunity Employer.

RESEARCH POSITIONS

The Immunohematology/Immunohematology Research Program of the Blood Research Institute seeks qualified individuals with research interests in vascular biology plus experience/expertise in protein chemistry, molecular biology, or cell biology. Candidates for postdoctoral fellowship training or for staff appointments will be considered. Please send resume and references to: Peter J. Sims, M.D., Ph.D. Associate Director, Research The Blood Center of Southeastern Wisconsin P.O. Box 2178 Milwaukee, WI 53201-2178

POSTDOCTORAL POSITIONS are available to study the molecular biology of dopamine receptors and/or G protein-activated inwardly rectifying K⁺ channels. Areas of research include signaling mechanisms of receptor function, signal transduction, and pharmacology. Send curriculum vitae and references to: Dr. Hubert Em. Vranckx, Department of Molecular Neurobiology, Clarke Institute of Psychiatry, Toronto, Ontario M5R 1R8 Canada.

POSTDOCTORAL POSITIONS available immediately to study the role of rho family GTPases in control and regulation of cell motility and/or cell cycle in mammalian cells. Send curriculum vitae and three letters of reference to: Dr. Hubert Em. Vranckx, Department of Molecular Neurobiology, Clarke Institute of Psychiatry, Toronto, Ontario M5R 1R8 Canada.

POSTDOCTORAL FELLOWSHIPS—UNC Lineberger Comprehensive Cancer Center Projects involve 1) a novel calcium-dependent non-receptor tyrosine kinase, 2) c-mer, a novel receptor tyrosine kinase, and 3) EGF receptor family members in breast cancer. Send curriculum vitae and three references with letter to: Shelley Earl, CB Number 7295, Lineberger Cancer Center, University of North Carolina—Chapel Hill, NC 27599-7295.

POSTDOCTORAL POSITION available immediately to study the molecular biology and physiology involved in the biomineralization of bones and teeth in the magnetotactic bacteria. Experience in modern molecular techniques is required and a strong chemistry background is a plus. Position is funded for approximately two years. Send curriculum vitae and the names of three references to: D. A. Bazyliński, Department of MPM, 207 Science I, Iowa State University, Ames, IA 50011. FAX: 515-294-6019.

POSTDOCTORAL POSITION available immediately to study the role of paxillin and associated proteins in cell adhesion and cell motility in a multilayered organotypic culture system. Experience in cell biology and/or molecular biology techniques essential. A background in cell adhesion desirable. Send curriculum vitae and references to: Chris Turner, Department of Cellular Biology, SUNY Health Science Center, 750 East Adams Street, Syracuse, NY 13210. An Affirmative Action/Equal Employment Opportunity Employer.

POSTDOCTORAL FELLOW to isolate, characterize, and clone Drosophila genes involved in RNA processing (genes see Vasištta et al., JBC 269:18, 468, 1994 and Levinson et al., JBC 270:18, 903, 1995). Qualifications include enzyme isolation and cloning experience and interest in RNA splicing. Send curriculum vitae and references to: Louis Levinberg, Natural Sciences/Biology, York College/CUNY, Jamaica, NY 11451. FAX: 718-262-2652; Email: louie@mbcsyork.cuny.edu. Equal Opportunity/Affirmative Action Employer.
Endowed Professorship in Soybean Biotechnology at the University of Missouri

The Plant Science Unit in the College of Agriculture, Food and Natural Resources invites applications for this tenure-track, 80% research, 20% teaching position. Research should focus on the development of soybean with one or more of the following characteristics: superior oil and protein, ability to produce pharmaceuticals and other compounds important to human and animal health, improved disease and insect resistance, stress tolerance, or other value-added traits. Research on efficient transformation and regeneration of soybean is also required. Teaching responsibilities will be either an undergraduate or graduate course in plant biotechnology, along with training of graduate and postdoctoral students. Applicants should have a well-established, nationally/internationally recognized research program. A statement of research interests, a complete resume, and three letters of reference should be sent, by September 10, 1996, to:

Dr. Dale G. Blevins
Agronomy Department
205 Curtis Hall
University of Missouri
Columbia, MO 65211
Phone: (573) 882-4819
FAX: (573) 882-1469
An Equal Opportunity/Affirmative Action Employer

SCIENTIFIC APPLICATIONS SPECIALIST

Amgen the world’s largest biotechnology company, seeks the analytical talents of an experienced applications specialist to support our Research Staff.

In collaboration with the scientific staff, the incumbent will develop strategies for data analysis using available software, which may include performing the analysis. In addition, the incumbent will be responsible for recommending appropriate scientific software and demonstrating its use.

This position requires a BS degree in the Life Sciences or the equivalent and 3 years’ experience in the laboratory. Sequence Analysis (GCG preferred), as well as experience with Macintosh, and UNIX/VMS is required. Familiarity with a broad range of scientific software such as data base, scientific graphing, statistics and image analysis as well as familiarity with chromatography and laboratory instrumentation is preferred.

We value and encourage the diverse perspectives essential to the process of discovery.

At Amgen, your accomplishments will be rewarded. Our generous compensation and benefits package includes a retirement and savings plan, an on-site fitness center and three weeks’ vacation. For immediate consideration, mail your resume to: Amgen, Staffing Job Code: TPSC, P.O. Box 2569, Thousand Oaks, CA 91319-2569.
E-mail: jobs@amgen.com Please consult our on line Job Bulletin Board at http://amgen.bio.com for information on other career opportunities available at Amgen. Principals only, please.

EEO/AA Employer M/F/D/V

Assistant Professor (2 positions)
Assistant/Associate Professor (1 position)
(Tenure-Track)
Coastal Ecology Institute and Department of Oceanography and Coastal Sciences

Required qualifications: earned doctorate (Ph.D. or equivalent degree) in marine science or related field; publication record in peer-reviewed journals; evidence of scholarly activity at level of proposed rank. Additional qualifications desired: Ph.D. from a Research 1 university; teaching experience; grant and/or contract experience; existing grant and/or contracts; multidisciplinary research. Responsibilities: develop a program of externally funded research (research is expected to be supported in the peer-reviewed literature and to meet all grant/contract obligations); develop and teach courses at the undergraduate and graduate level in DOCS and general area of coastal ecology and oceanography; serve on university, college, university, and national and international boards, committees, commissions, etc. Salary will be commensurate with qualifications and experience. Application deadline is July 30, 1996, or until candidates are selected. Submit letter of application, curriculum vitae, and names and addresses of three references to:

Dr. R. E. Turner, Director
Coastal Ecology Institute
203B Coastal Studies Building
Louisiana State University
Baton Rouge, LA 70803

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PRODUCT DEVELOPMENT SCIENTIST
Consumable Development Manufacturing

At PE Applied Biosystems, we’re making some of the biggest breakthroughs in science happen. From advances on the Human Genome Project, to accelerated opportunities in bioresearch, we offer scientists the chance to break into an exciting career as a member of our breakthrough team. Currently, we’re seeking a molecular biologist or biochemist to focus on process development and help us transition laboratory technology into commercial production.

Leading a project team, you will be involved in the commercialization of multicomponent kits for fluorescent DNA sequencing and PCR analysis. This will entail lab bench development, pilot scale-up, product/stability evaluation, procedural documentation, and a variety of other project coordination functions. You will need an MS/PhD in biochemistry or molecular biology with prior industrial development experience, including technical skills in DNA sequencing and PCR analysis; some HPLC and electrophoresis experience is desirable. Excellent written and oral communication skills are a must.

In exchange for your talents, we offer a competitive salary and benefits package with advancement potential for your career. For consideration, please send your resume to: PE Applied Biosystems, HR Department, 850 Lincoln Centre Drive, Ref #2185, Foster City, CA 94404. You may also fax to (415) 638-5874, e-mail us at biocareer@perkin-elmer.com or see our home page on the WWW at http://www.perkin-elmer.com for more details. PE Applied Biosystems is an equal opportunity employer.

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Progenics Pharmaceuticals, Inc. is a biopharmaceutical company specializing in the development of therapeutics and vaccines for the management of cancer and HIV infection. The company is situated on an attractive campus in Westchester County, 20 miles north of Manhattan. Our rapid expansion is creating opportunities for scientists and managers at all levels. We are particularly interested in individuals for the following positions:

GROUP LEADER/SENIOR SCIENTIST
Ph.D. and a minimum of 3-5 years’ industry experience including supervisory responsibilities. Expertise in vaccine and assay development and GMP manufacturing preferred. Knowledge of carbohydrate or glycolipid chemistry an advantage.

DIRECTOR, QA/QC AND REGULATORY AFFAIRS
Minimum of 3-5 years’ experience managing biologics QA/QC and regulatory affairs, including Phase I through Phase III or product approval preferred. Expertise in documentation and process validation required.

PRODUCTION/PROCESS DEVELOPMENT SCIENTISTS
Individuals with a B.S., M.S. or Ph.D. and minimum of 2 years’ experience in GMP manufacturing of biologics.

STAFF SCIENTISTS
Ph.D. and a minimum of 2 years’ post-doctoral experience in virology, immunology or oncology. Expertise in radioconjugates, ligand binding and in vivo models an advantage.

RESEARCH ASSOCIATES
Individuals with a B.S. or M.S. and a background in one or more of the following areas: immunology, cell and molecular biology, virology or oncology. Candidates should send their C.V., a description of their experience and the names and addresses of three references to: Human Resources II, Progenics Pharmaceuticals, Inc., P.O. Box 549, Tarrytown, NY 10591.

Creative BioMolecules is a biopharmaceutical company focused on therapeutics for human tissue regeneration. The company’s therapeutics are based on proteins that act in initiating and regulating the cellular events involved in tissue formation.

Senior Scientist - Cartilage
If you’re a highly motivated senior scientist with extensive experience in cartilage biology, we have a leadership position for you on a multi-disciplined team. You will be responsible for the development of protein based products for the repair of articular cartilage. To qualify, you must be an MD or PhD with 8+ years of appropriate experience. Pharmaceutical/biotechnology experience a plus.

Post Doctoral Fellows - Cell Biology
To qualify, applicants must demonstrate exceptional knowledge in one of the following areas: manipulation of cell/organ cultures; in-vivo tissue regenerative models; matrix-cell interactions; and cellular/biochemical techniques relevant to tissue morphogenesis. PhD in Biology or Biochemistry along with 2-3 years of cell and developmental biology, experience in tissue formation/regeneration is required.

Post Doctoral Fellows - Molecular and Developmental Biology
To qualify, applicants must have experience in several of the following technologies: RT-PCR, Differential Display, gene cloning, Northern Analysis, in-situ hybridization and transgene or developmental studies.

Creative BioMolecules offers an excellent compensation and benefits package, including 3 week’s vacation along with a company-matched 401 (k) plan and an employee stock purchase plan.

For immediate consideration please send or fax your resume, indicating position of interest, to:

The Geneva Biomedical Research Institute (formerly the Glaxo Institute for Molecular Biology) is a state-of-the-art centre of scientific excellence. Its research is directed towards the discovery of novel molecular mechanisms that can be used as drug targets to treat serious diseases. The acquisition of microbial genomic sequence data has created a unique opportunity for three talented and experienced scientists with the following expertise:

**Genomic Sequencing Scientist**

to determine the genomic sequences of pathogenic microorganisms at the Institute. Emphasis will be placed on approaches leading to improved sequencing strategies and comprehensive analysis of the acquired data. The ideal candidate will have a Ph.D. and 3-5 years of postdoctoral experience in a high-throughput sequencing project. He/she will benefit from strong collaboration with in-house bioinformatics and microbial genetics groups. Informal enquiries can be directed to Dr. Gary Buell (gb15879@ggr.co.uk; fax: +41 22 794 6965).

**Bioinformatics Scientist**

who will have a strong background in genomic sequence analysis, evolution and biological pathways. Expertise in microbial biology would be an asset. The ideal candidate will have a Ph.D. and 3-5 years of postdoctoral experience in bioinformatics. He/she will have a key role in a multidisciplinary team studying novel aspects of bacterial biology and identifying molecular targets for the development of novel antibiotics. Informal enquiries can be directed to Dr. Manuel C. Peitsch (mcp13936@ggr.co.uk).

**Microbiologist**

The interplay of novel genetic approaches and proprietary bioinformatics software is to be used to identify and determine the function of previously unknown genes. The ideal candidate will have a Ph.D. and 3-5 years of postdoctoral experience in the area of pathogen microbiology. The candidate will benefit from strong ties with in-house bioinformatics and microbial genetics groups. Informal enquiries can be directed to Dr. Michael Edgerton (mde29396@ggr.co.uk, phone: +41 22 706 9852).

The Geneva Biomedical Research Institute is part of the Glaxo Wellcome group, one of the world’s most successful healthcare companies which has an outstanding reputation for the quality of both its research and products.

If you are interested in these positions, please send your curriculum vitae with a list of publications and the names of three referees to: Mrs. Véronique Stofer, Personnel Manager, Geneva Biomedical Research Institute, Glaxo Wellcome Research and Development S.A., 14 chemin des Aulx, 1228 Plan-les-Ouates/Geneva, Switzerland.
THE UNIVERSITY OF GRONINGEN  
THE NETHERLANDS  

invites applicants for the position of  

Professor of  

Theoretical Chemistry  
(vacancy number: 960507)  

at the Laboratory of Chemical Physics, Department of Chemistry.

We are looking for an outstanding scientist who will establish a strong program in quantum theoretical chemistry, with an emphasis on the development of first-principles computational methods. The candidate should be internationally recognized and have a strong publication record. He/she should have the ability to direct a research group and to teach undergraduate and advanced courses in physical and theoretical chemistry.

Apart from the Theoretical Chemistry group the Laboratory of Chemical Physics consists of three additional groups: Solid State Chemistry, Inorganic Thin Films and Laser Spectroscopy. All of these groups participate in the Materials Science Centre (MSC), a research school in which important parts of the Departments of Chemistry and Physics have been brought together. Within the MSC several other groups are active in the field of computational science. Cooperation with these groups is encouraged.

The Theoretical Chemistry group has access to excellent computer facilities both locally and nationally. The appointment carries tenure. The salary will be between Dfl 8.005,- and Dfl 11.736,- per month, depending on qualifications.

Further information can be obtained from Prof. T. Hibma, chairman of the Search Committee, phone +31 50 3634438 or 3634440, E-mail address: T.HIBMA@PHYS.RUG.NL

The closing date for applications will be 22 June 1996. Applications with curriculum vitae, list of publications, photocopies of relevant certificates, an outline of research interests and names of three referees should be sent to the Head of the Personnel Department, University of Groningen, P.O. Box 72, 9700 AB Groningen, The Netherlands.
Geneva Biomedical Research Institute
Glaxo Wellcome Research and Development S.A.

The Geneva Biomedical Research Institute (formerly the Glaxo Institute for Molecular Biology) is a state-of-the-art centre of scientific excellence. Its research is directed towards the discovery of novel molecular mechanisms that can be used as drug targets to treat serious diseases. In particular, one major research effort is focused on understanding mechanisms underlying neuronal apoptosis. Within this area we have an outstanding opportunity for a

Postdoctoral Fellow (Molecular/Cellular Biology)

who will have a strong background in oxidative metabolism and is expected to make an important contribution to an evolving research strategy aimed at identifying key molecular lesions contributing to neuronal death in disease. Expertise in the biology of mitochondria would be an asset. The successful candidate will have a key role in a team studying the mechanisms of ageing and apoptosis that can form the basis of new therapies for Alzheimer's disease. Informal enquiries can be directed to Dr. J.C. Martinou (jcm26619@ggr.co.uk; phone +41 22 706 9822).

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If you are interested in these positions, please send your curriculum vitae with a list of publications and the names of three referees to: Mrs. Véronique Stofer, Personnel Manager, Geneva Biomedical Research Institute, Glaxo Wellcome Research and Development S.A., 14 chemin des Aulx, 1228 Plan-les-Ouates/Geneva, Switzerland.

University College Dublin
An Coláiste Ollscoil Bhaile Átha Cliath

DEPARTMENT OF MEDICINE AND THERAPEUTICS
One Permanent Post (Ref: 98/96)

Applications are invited for a full-time permanent academic post in the Department of Medicine and Therapeutics (Meter Misericordiae Hospital). Intending applicants should have a Ph.D., considerable academic research and teaching accomplishments and a scientific background pertinent to the current teaching and research interests of the Department of Medicine and Therapeutics. The Department's research programme focuses on molecular and cellular mechanisms of inflammation and hypersensitivity. Expertise in disciplines such as molecular biology, immunology, biochemistry, pharmacology, cell biology or other relevant cognate scientific discipline would be desirable.

The appointment will be made at the level of either Assistant Lecturer or College Lecturer.

Closing Date: Not later than 5.00 p.m. on Thursday, 27 June 1996.

Prior to application, further information (including current salary scales) should be obtained from the Personnel Office, University College Dublin, Belfield, Dublin 4, Ireland (quoting above reference number). Telephone enquiries: (353 1) 706 1508 and (393 1) 706 1436.
Fax: (353 1) 269 2472. Email: acadrec@irlearn.ucd.ie

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POSTDOCTORAL POSITION available immediately on NIDA-supported projects investigating the behavioral neuropharmacology, with special emphasis on receptor systems and brain regions associated with stress and the activation of the hypothalamic-pituitary-adrenal axis. In particular, the effects of environmental stressors and stress on brain function, and maintenance of intravenous cocaine self-administration, as well as other behavioral effects of the drug, will be investigated. The position requires some background in animal behavior, basic behavioral pharmacology, homogenate receptor binding and quantitative receptor autoradiography, and in vitro microdialysis and neurochemistry are available. Candidate experience with pharmacology, cell biology, psychology, or a related discipline with relevant laboratory experience. Send curriculum vitae and the names of three references to: Dr. Nick W. Goodman, Department of Pharmacology and Therapeutics, LSU Medical Center, P.O. Box 33932, Shreveport, LA 71130-3932. Email: ngoode@mail.shlsmc.edu. LSU Medical Center is an Equal Employment Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOWSHIP MECHANISMS OF NEURONAL AND AXONAL DEGENERATION

Position available July 1, 1996 for Ph.D. or M.D. with experience in basic molecular techniques (i.e., PCR, Northern blotting, molecular cloning) and/or neurochemistry. Experience in developing and characterizing molecular and cellular mechanisms leading to experimental and disease-related degeneration of neurons and axons, including the role of calcium and cellular proteins. Scientific setting is within a large group devoted to studying the pathology and treatment of peripheral nerve disorders within a Department and University with a strong neuroscience community. Send curriculum vitae and the names of three references to: Dr. Jonathan Glass, M.D., Department of Neurology, Emory University School of Medicine, Woodruff Memorial Research Building, Suite 6000, Atlanta, GA 30322. Emory University is an Equal Employment Opportunity Employer.

POSTDOCTORAL FELLOWSHIPS Albert Einstein College of Medicine Training Program in Mechanisms of Cancer Cell Death M.D. and/or Ph.D. candidates with excellent publication records are invited to apply for POSTDOCTORAL positions in an NIH-funded training program investigating cardiovascular function and disease. Research interests of the faculty within this highly interactive program are diverse and can be provided upon request. Applicants must be U.S. citizens or lawful permanent residents and should submit a curriculum vitae and names of two references to: Dr. Gerri A. Hatziargyriou, Albert Einstein College of Medicine, Jack and Pearl Resnick Campus, 1300 Morris Park Avenue, Bronx, NY 10467. Fax: 718-430-7701. Email: dundie@aecom.yu.edu. Albert Einstein College of Medicine is an Equal Employment Opportunity Employer.

POSTDOCTORAL ASSOCIATE position(s) available to conduct research on in vivo vaccination in chickens and the effect of prenatal multiple antigenic exposure on the ontogeny and functions of the immune system. A Ph.D. in immunology, virology, or microbiology in hand at time of appointment is required; the ideal candidate will have a D.V.M./Ph.D. and interest and a minimum of one year of experience in the area desired. Positions are annual renewable; the project is funded for three years. Salary: $25,000 to $35,000 per year plus benefits. Start date: July 1, 1996 or later. Please send curriculum vitae and the names of three references by April 30, 1997 to: Dr. J. M. Sharma, Department of Veterinary Pathobiology, College of Veterinary Medicine, University of Minnesota, St. Paul, MN 55108. Telephone: 612-625-5276; Fax: 612-625-5203; Email: sharm001@maroon.tc.umn.edu. The University of Minnesota is an Equal Opportunity Educator and Employer.

POSTDOCTORAL POSITION is available to study the molecular and cellular biology of cytokines in relation to their synthesis, regulation, and functions. Experience in immunology and molecular techniques including analysis of gene expression, cell culture, and PCR is highly desirable. U.S. citizenship is required. Send curriculum vitae, statement of research interest, and three letters of reference to: Dr. Robert Vestal, ACOS/R&D, VA Medical Center, 500 West Fort Street, Boise, ID 83702. Fax: 208-389-7951.

POSTDOCTORAL RESEARCH FELLOWSHIP (Not to exceed two years) Nematology Laboratory, Plant Science Institute Beltsville Agricultural Research Center ARS is seeking a RESEARCH SCIENTIST/ZOOLOGIST/BIOCHEMIST to conduct research on the interactions of plant-parasite nematodes and fungal biocontrol agents of nematodes. Determines the molecular basis for the antagonistic effects of fungal endophytes, and fungal biocontrol agents of nematodes. Develops bioassays for evaluation of the effects of purified compounds against nematodes. Candidate must have a knowledge of nematology and/or fungi, and a knowledge of fungal biocontrol agents of nematodes. Enthusiastic, self-motivated individual with skill with chromatographic isolation and with identification of natural products. Ph.D. is required. GS-11/12 salary is commensurate with experience, beginning at $37,997 per annum.

For further information and application procedures, contact: Dr. David Chitwood or Dr. Susan Meyer USDA, ARS, Nematology Laboratory Building 011A, Room 165B, BARC-West Beltsville, MD 20705 Telephone: 301-504-8660 Fax: 301-504-7745 Internet: dchitwoo@ar.ars.usda.gov An Equal Opportunity Employer.

POSTDOCTORAL POSITION MOLECULAR/VASCULAR BIOLOGY Position available for Ph.D. and/or M.D. to study vascular biology utilizing gene transfer technology. Areas of active interest include development of recombinant adenovirus systems for transfer of genes into the vascular wall, and application of gene transfer systems to animal models of vascular injury (atherosclerosis, restenosis). A strong background in vascular biology is important.

Send curriculum vitae, summary of research experience, and names and telephone numbers of three references to: Daniel Z. Fisher, M.D., Ph.D., Department of Medicine Division of Cardiovascular Medicine University of Massachusetts Medical Center 55 Lake Avenue North Worcester, MA 01655 FAX: 508-856-5207

POSTDOCTORAL POSITION available to study transport ATPases in bacteria. Ph.D. in microbiology or biochemistry with experience in gene purification and molecular biology required. Experience in membrane transport will be preferred. Send curriculum vitae to: Dr. Ph. B. Trautman, Department of Biology, Georgia State University, Atlanta, GA 30303. FAX: 404-651-2509. Georgia State University is a unit of the University System of Georgia, is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION in San Diego, California, to examine live-surface gene expression and/or translocation and degradation of ER proteins. (See Mol. and Cell. Endocrinol. 109, 179 (1996) and JLR, 37:158, 1996) Ph.D. with expertise in molecular genetics and cell biology. Submit resume and three references to: Roger Davis, Ph.D., Biology Department, San Diego State University, San Diego, CA 92182-4614. Email: rdavis@SUNSTONE.sdstate.edu. Reference job number F96-123. Equal Employment Opportunity/Affirmative Action/Title IX Employer.

POSTDOCTORAL POSITION in Baltimore, Maryland, to study the mechanisms of action of TATA Box Binding Protein TBP and its associated factors (TAFs) in transcription initiation complex formation in Saccharomyces cerevisiae (see Mol. Cell. Biol. 16, 269-3135; 269-38335; Proc. Nat. Acad. Sci. USA, 92:8224; Biochemistry, 34:83005). We are currently using a combination of biochemical, genetic, and biophysical approaches to study the interactions of these proteins with TBP, DNA, and other TAFs and transcription factors. Interested parties should send a curriculum vitae and arrange to have three letters of reference sent directly to: Dr. Tony Wei Department of Microbiology and Immunobiology Vanderbilt University School of Medicine Nashville, TN 37232-0615 FAX: 615-322-7363. Email: tony.wei@mcmail.vanderbilt.edu. Vanderbilt University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOW–IMMUNOLOGY

Recent Ph.D. required for studies of the interaction of peptides with class 1 MHC molecules. Emphasis on understanding the role of peptides in MHC class I and II interaction and T cell recognition. (LCMV) and human (HIV) virus infections. Please send curriculum vitae, list of publications, and three letters of reference to: Jeffrey Frelinger University of Pennsylvania, Children's Hospital of Philadelphia Department of Microbiology and Immunobiology CB Number 7290, FLOB Philadelphia, PA 19104-5269 FAX: 215-745-1607 Email: jfrelin@med.unc.edu. The University of North Carolina at Chapel Hill is an Affirmative Action/Equal Opportunity Employer. Applications from women and minorities are encouraged.

POSTDOCTORAL POSITIONS NIH-supported POSTDOCTORAL POSITIONS are available to study novel transcriptional and posttranscriptional regulatory mechanisms of endothelial nitric oxide synthase and cyclooxygenase expressions. Applicants with strong background in molecular biology and biochemistry are encouraged to apply. Please send curriculum vitae and three references to: Dr. Kenneth K. Wu, Vascular Biology Research Center, University of Texas–Houston Medical School, 6431 Fannin Street, Houston, TX 77030; Phone: 713-798-1677; FAX: 713-798-1677; Email:kkuw@heart.med.uth.tmc.edu.

NIH-funded POSTDOCTORAL POSITION is available to study molecular mechanisms of resistance to retinoids in leukemia cells from patients treated on national cooperative oncology group protocols. The position involves collaboration with a lab technician performing more routine aspects of translational research projects. Interested Ph.D./M.D.'s with a background in molecular and cell biology should send curriculum vitae and names and addresses of three references to: Dr. Robert Gallagher, Department of Oncology, Monmouth Medical Center, Albert Einstein Cancer Center, 1182 A Avenue, Back bay, BC, 10467. Email: rgallag@acomm.yu.edu.

Two POSTDOCTORAL FELLOWSHIP positions available immediately to study (1) vascular/cell/molecular biology of novel anticoagulant protein and (2) cell/molecular biology of apoptosis in a human reproduction system. Please forward curriculum vitae to: K. McCrae, M.D., Thrombosis Research Center, OMS 309, Temple University School of Medicine, Philadelphia, PA 19140. FAX: 215.745.2783; Email: kmccrae@astro.occis.temple.edu. Temple University is an Equal Employment Opportunity/Affirmative Action Employer and strongly encourages applications from women and minorities.

POSTDOCTORAL POSITION is available immediately to study HIV infection in humans and nonhuman primates. We will address issues in cellular immunology, immunogenetics, and molecular virology. Send curriculum vitae and list of references to Dr. Norman L. Letvin, Harvard Medical School, Beth Israel Hospita, RE-113, 330 Brookline Avenue, Boston, MA 02215.
POSTDOCTORAL POSITIONS

University of Vermont College of Medicine

The Department of Medicine has three positions available for Ph.D., M.D., or M.D./Ph.D. in a unique environment with opportunities to conduct parallel studies in animals and humans. Areas include: 1) Application of molecular approaches to address questions in human aging, protein, and energy metabolism. Proficiency in protein chemistry, RNA/DNA techniques, PCR and electrophoresis required. Interest in miDNA and GST preferred. 2) Application of stable isotope tracers to probe protein amino acid metabolism in humans. Primary interest in sulfur amino acids/glutathione preferred. Mass spectrometry or clinical research experience helpful. 3) Application of behavioral, stereotactic surgical and especially molecular biological techniques for the study of food intake and weight control in rats. Also the potential to work in molecular biological studies in humans to examine the effect of diet on colon function. 

Please send curriculum vitae with names and complete addresses of three references to: Naomi K. Fukagawa, M.D., Ph.D. (positions 1 and 2), Richard Galbraith, M.D., Ph.D. (position 3), University of Vermont, Department of Medicine, Given C 207, Burlington, VT 05405. Telephone: 802-656-4403; FAX: 802-656-2636 (N. Fukagawa); Telephone: 802-656-2777; FAX: 802-656-5562 (R. Galbraith). The University of Vermont is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION

POSTDOCTORAL POSITION available immediately for a Ph.D. with graduate experience in molecular biology, protein biochemistry, and/or signal transduction to join an ongoing effort to examine signaling mechanisms in epithelial tubular formation in the kidney. Please send curriculum vitae, copies of relevant publications, and references to:

Lloyd Cantley, M.D.
Renal Division, Beth Israel Hospital
330 Brookline Avenue
Boston, MA 02215
Telephone: 617-667-8276
FAX: 617-667-2147
Email: kantley@bih.harvard.edu

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POSTDOCTORAL POSITIONS

POSTDOCTORAL POSITIONS are available for highly motivated, independent individuals interested in applying modern techniques in molecular, biochemical, and cellular biology to explore the actions of placental lactogens and/or growth factors on ovarian and mammary gland function. Applicants should have a Ph.D. and relevant technical experience. Please send a curriculum vitae, summary of past research accomplishments, and four letters of reference to: Dr. Frank Talmanes, Sinsheimer Laboratories, University of California, Santa Cruz, CA 95064. The University of California at Santa Cruz is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION in Drosophila neuro-genetics available to study molecular and cellular biological aspects of relationship between cell death and differentiation during eye and brain development (Cell, 72:379-395). Send letter detailing past research, why this position is of interest, curriculum vitae, and three letters of reference to: Dr. N. Bonini, Department of Biology, University of Pennsylvania, 306 Leidy, Philadelphia, PA 19104-6018.

MEETING

The Cellular and Molecular Biology Second World Congress will take place September 1 through 7, 1996, in Ottawa, Canada. Over 1,000 scientists concentrated in life sciences will focus on the growing linkages and build upon the existing scientific foundations to correlate apparently different structures with common molecular biochemical features. In addition to the scientific and industry-related program, a major exhibition of the latest biochemical technology, equipment, products, and services has been added to this year's Congress. For more information contact:

Second World Congress Secretariat, Suite 535, 2660 Southvale Crescent, Ottawa, Ontario K1B 4W5 Canada. Telephone: 613-247-1344; FAX: 613-247-2187; Email: nmhanelin@ottawa.net.

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