samples are best imaged in native or near-native fluids or in preservation media such as alcohols or glutaraldehyde. Samples that can be examined include DNA, DNA-protein complexes, chromosomes, RNA transferase, whole cells, and more. Digital Instruments. Circle 143.

- **Plasmid DNA Purification**
  MonsterPrep is a kit for obtaining up to 30 mg of plasmid DNA in 2 hours. The kit handles up to 3 liters of overnight culture and yields supercoiled, plasmid DNA from high copy number vectors. The DNA obtained is suitable for enzymatic manipulations including sequencing, restriction enzyme digestion, in vitro transcription, and polymerase chain reaction. BIO 101. Circle 144.

- **Dissolved Oxygen Measurement**
  OxySpot is an instrument to measure dissolved free oxygen noninvasively. Oxygen concentration is determined by the phosphorescence quenching of nontoxic probe molecules. The need for calibration is minimized because the lifetime, not intensity, of the phosphorescence is used to determine concentration. Oxygen levels from saturation down to less than 0.01 torr can be measured. Applications include in vitro metabolic studies of cell organelles, cells, and perfused organs and in vivo research. Medical Systems. Circle 145.

### Literature

**Stratagene 1995** is a catalog that features an expansion of the company’s product line for molecular and cellular biology to other fields such as neurobiology and genetic toxicology. New products for polymerase chain reaction (PCR) include TaqPlus DNA polymerase, which increases the length, yield, and reliability of PCR products up to 35 kb, and the ExSite PCR-based site-directed mutagenesis Kit. Stratagene. Circle 146.


The Fisher Catalog 95/96 is a comprehensive 2634-page encyclopedia of laboratory equipment. It includes instruments, supplies, and reagents—virtually anything needed to equip a lab can be found in its 45,000 catalog numbers. Fisher Scientific. Circle 148.

**NALGENE Labware Catalog** offers 218 pages of plastic products, including pricing and technical information, with more than 40 new products. Nalge Co. Circle 149.

**Milli-Q PF Plus Water Purification System** describes a unit designed for the production of ultrapure water for use in polymerase chain reaction and other life science techniques sensitive to water-borne contamination. Millipore. Circle 150.

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- **Sequencing of N-linked and O-linked oligosaccharides from glycoproteins as well as glycosphingolipid oligosaccharides**

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ASSISTANT/ASSOCIATE PROFESSOR: MEDICINAL CHEMISTRY/BIOCHEMISTRY

The Medicinal Chemistry/Biochemistry Division of the School of Pharmacy, University of Wisconsin–Madison, invites applications for a tenure-track position to begin July 1, 1996. The position is likely to be filled at the ASSISTANT PROFESSOR level but outstanding candidates at the Associate Professor level will be considered. A Ph.D. degree in organic chemistry or biochemistry, postdoctoral research experience, and outstanding research potential are required. Applicants who would establish an independent chemistry-based research program in one of the following areas of interest to the Division: medicinal chemistry; drug discovery, with emphasis on small molecules that show potential for development into new forms of drug therapy; or medicinal chemistry with emphasis on those aspects of drug discovery and development that are related, through knowledge of drug targets, to the design of new ligands with potential in therapy, or novel approaches to control drug resistance—are preferred but all outstanding candidates will be considered. Teaching duties will be in the current undergraduate Medicinal Chemistry courses offered by the divisional faculty and in a graduate course to be devised by the new faculty member.

Applications will be accepted until October 15, 1995. Please send a cover letter including a statement of research and teaching interests, curriculum vitae, selected reprints and the names, addresses, and telephone or Email numbers of three references to: Prof. D. H. Rich, Search Committee, School of Pharmacy, University of Wisconsin, 425 North Charter Street, Madison, WI 53706. Telephone: 608-263-2499; Email: dhrich@facstaff.wisc.edu. Unless confidentiality is requested in writing, all applications must be released upon request. Only finalists will be guaranteed confidentiality. The University of Wisconsin-Madison is an Equal Opportunity Employer.

ASSISTANT/ASSOCIATE PROFESSOR: MOLECULAR BIOLOGY OR MOLECULAR GENETICIST

A tenure-track position (ASSISTANT or ASSOCIATE PROFESSOR) is available for a broadly trained Ph.D. with demonstrated expertise in recombinant DNA methodology and molecular genetic analyses in eukaryotes. This position is part of a recently established molecular biology group to be based in the Department of Environmental Sciences. Applicants for this position must have a doctorate in molecular biology or a related field and postdoctoral experience in an area of research appropriate to the position. The University of Arkansas is an Equal Opportunity/Affirmative Action Institution. The University of Arkansas is an Equal Opportunity/Affirmative Action Institution.
Here, people make all the difference.
At Chiron, our enthusiasm for biotechnology goes beyond looking for solutions to serious diseases. Our sights are set on helping people be their best. Whether they’re the patients who benefit from our breakthrough diagnostics, therapeutics, vaccines or ophthalmic devices ... or the Chiron professionals who make it happen.

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Write us at Chiron Corporation, Human Resources, Box SD 811, 4560 Horton Street, Emeryville, CA 94608. Expand your opportunities to advance your career and to transform the practice of medicine. We welcome applications from all individuals. Women, veterans, minorities and disabled individuals are encouraged to apply.

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Senior Scientist
ENZYMEOLOGY

Pharmacia Biotech, Inc. is an international company committed to supplying life science researchers with the most advanced solutions available. We develop, manufacture, and market systems, reagents and chemicals for pharmaceutical and biotechnology companies and academic research institutes.

An opportunity is currently available at our MILWAUKEE, WISCONSIN, REAGENTS DIVISION for a Senior Scientist with leading edge technical and leadership skills. The Senior Scientist will be responsible for performing kinetic and mechanistic studies, purification, fermentation, cloning and expression of DNA/RNA Polymerases and other enzymes useful in Molecular biology, to support the Division’s new product development efforts.

This position offers a highly competitive salary/benefits package and a challenging professional work environment. Send resume and SALARY REQUIREMENTS to: Human Resources, Dept. RM, Pharmacia Biotech Inc., P.O. Box 1327, 800 Centennial Ave., Piscataway, NJ 08855-1327. We are advocates of a diverse work force, M/F/D/V.
ASSISTANT PROFESSOR

Vegetable Crop Extension/Research

The Department of Horticulture at the University of Wisconsin-Madison invites applications for an ASSISTANT PROFESSOR position supporting the potato and processing vegetable industries. The position is 80% Extension and 20% Teaching. The successful applicant will provide statewide leadership in Extension programs serving potato and processing vegetable production. Bosei responsibilities include applied research in potato and processing vegetable production systems that are profitable and environmentally responsible, especially in sensitive areas. Continued development of modules for integrated crop management advice currently in production is expected. Some germ-plasm evaluation is likely. Applicants should have completed a Ph.D. in horticulture. Postgraduate experience with experience in potato or processing vegetables is desirable. Applications received by October 31, 1995, will be assured consideration. Applicants should send their curriculum vitae, a statement of professional goals, transcripts, and three letters of recommendation to: Dr. T. R. Koper, Search Committee Chair, Department of Horticulture, University of Wisconsin-Madison, 1575 Linden Drive, Madison, WI 53706-1590. Telephone: 608-262-9751; FAX: 608-262-4743; Email: trkoper@facstaff.wisc.edu.

ASSISTANT PROFESSOR

Microbiology: The University of Idaho is seeking to fill a tenure-track Assistant Professor position. We are interested in candidates capable of conducting research in basic microbial genetics. We encourage applications from candidates able to operate in a program in either i) basic microbial genetics, or ii) the use of microbial genetics to address related research areas in the departments of Biological Sciences (including host-parasite interactions in plant molecular biology and biochemistry, plant/fungal development, and environmental microbiology. The successful candidate must have a strong commitment to teaching and a record of responsible undergraduate research activity. Applicants with a Ph.D. in Microbiology, Genetics, Biochemistry or a related field and relevant postdoctoral research experience are encouraged to apply. Send curriculum vitae, statement of research interests and three letters of reference by September 15, 1995, to: Dr. Greg Bohach, Search Committee Chair, Department of Microbiology, University of Idaho, 8400 S. 8th Street, Moscow, ID 83844-3052. FAX: 208-885-6518. Affirmative Action/Equal Opportunity Employer.

RESEARCH ASSISTANT PROFESSORS

Two positions are available immediately. Very competitive salary for highly qualified applicants. 1. Mechanistic studies of the phototropin signaling pathway in plants. Candidates should have a Ph.D. in biology. 2. tRNAs from Caenorhabditis elegans, steady-state and stopped-flow kinetics (Zapf et al., Biochemistry, 32:9274, 1993). 2. Biocoloration of sel- leno- and tellurinothione into proteins, characterization, evidence for 2D structure (Boles et al., J. Biol. Chem. 267:22217, 1992). Seeking highly motivated individuals interested in co-directing research groups. Send résumé and three letters of recommendation to: Professor A. Bruce Dunlap, Chair, Department of Chemistry and Biochemistry, University of South Carolina, Columbia, SC 29208. University of South Carolina is an Affirmative Action/Equal Opportunity Employer.

UNION OF CONCERNED SCIENTISTS

Director of Global Resources Program

The Union of Concerned Scientists (UCS) is seeking a DIRECTOR for one of its four program areas. The Global Resources Program seeks to stimulate the scientific community and the public to address the interconnected issues of global environmental degradation, population growth, development, and consumption. The director will be responsible for ongoing UCS’s Global Sound Science Initiative and with the National Religious Partnership for the Environment. (S)he will also serve as liaison to scientific societies and work on special projects. Qualifications: Broad understanding of global environmental issues, Ph.D. Ability to relate well to senior scientists in a variety of disciplines. Strong management and communication skills. Must have experience at both the scientific and public policy work levels. For more information, contact: UCS, 2 Brattle Square, Cambridge, MA 02138. Telephone: 617-497-6600; FAX: 617-497-0201; Website: ucsonline.ucsb.edu. Apply by September 8, 1995. UCS is an Equal Opportunity Employer.

ASSOCIATE BIOLOGY PROFESSOR AND DEPARTMENT CHAIR

Hamline University

Hamline University seeks excellent teacher/scholar for biology CHAIR. Responsibilities include coordinating ongoing departmental curricular revision, pursuing interdepartmental connections, and grant writing. Minor emphasis is to expand the role of sciences in undergraduate general education. Successful candidate will bring curriculum development experience, ability to get funding for undergraduate research, and experience with the institutional support essential for the position. For application instructions, contact: Associate Dean of the College, Personnel Office, hamline.edu. Affirmative Action/Equal Opportunity Employer. Women and minorities encouraged.

The Department of Microbiology and Immunology, Uniformed Services University of the Health Sciences (USUHS) with Ph.D. graduate education program wishes to fill two TENURE-TRACK POSITIONS in the area of animal virology with preference in viral pathogenesis in the assistant and/or associate professor level. High money salary, excellent research facilities, and start-up support. Doctoral degree and postdoctoral research experience required. Applicants should have a demonstrated record of excellence in teaching, and production in research. Applications will be accepted until the position is filled. The University of Vermont is an Equal Opportunity/Affirmative Action Employer.

The University of Vermont College of Medicine is seeking both candidates and nominations for the position of PROFESSOR and CHAIR of the Department of Pharmacology. Current strengths of the Department exist in studies at the tissue, cellular and molecular levels in the areas of vascular biology, cancer biology, and ion channels research. Ph.D., M.D. or equivalent degree is required. Candidates should have demonstrated record of excellence in teaching, and production in research. Applications will be accepted until the position is filled. Review of the candidates will begin by September 15, 1995. University of Vermont is an Equal Opportunity/Affirmative Action Employer.

The University of Pittsburgh Cancer Institute and the University of Pittsburgh School of Medicine, Department of Molecular Genetics and Biochemistry, are seeking a candidate for an ASSISTANT PROFESSOR (tenure stream) position in molecular biology of cancer cells, including the study of the small GTPase ras oncogene and its potent suppressor genes, control of apoptosis and molecular regulation of tumor invasiveness and cancer metastasis. Emphasis will be placed on applied research in tumor biology or human genetics whose results are focused on the translation of basic research findings to clinical applicability. Successful candidates will join elements of an established and expanding NCI-designated, comprehensive cancer center, which includes the largest state of the art biomedical science tower. New faculty members are expected to develop an extramurally funded research program in tumor biology or human genetics and to be responsible for a significant start-up and compensation package. Applications should submit a current curriculum vitae, a statement of future research plans and the names of three (3) references to: Dr. Joseph C. Giacomino, Professor and Chairman, Department of Molecular Genetics and Biochemistry, University of Pittsburgh School of Medicine, E1240 Biomedical Science Tower, Pittsburgh, PA 15261. The University of Pittsburgh is an Affirmative Action/Equal Opportunity Employer.

CELL/MOLECULAR BIOLOGY PROFESSOR

Qualifications: A Ph.D. is required. The small diversified department which places an emphasis on teaching seeks a TENURE TRACK PERSON to teach molecular and cell biology plus research, including basic biology of animal. However, development of a research program and university service is expected. Salary competitive.

Application Procedure: The position will start January 9, 1996. Send résumé, transcripts, statements of research and teaching interests and three current letters of recommendation to: Cell/Molecular Search Committee, Personnel Department-Station No. 21, Eastern New Mexico University, Portales, NM 88130. For additional information, call: 505-662-2478.

Application Deadline: Applications will be accepted until the position is filled. Screening to begin on September 18, 1995. Applicants are encouraged to submit materials as soon as possible. Affirmative Action/Equal Opportunity Employer.

ASSOCIATE BIOLOGY PROFESSOR

The Department of Biology at the University of Wyoming invites applications for a position at the ASSISTANT PROFESSOR level to commence fall 1996. We seek creative teacher-scholars who show promise for developing outstanding research programs at the undergraduate level. Responsibilities include teaching, conducting research with students, and maintaining a publication record. Candidates should send curriculum vitae and a statement of research plans and arrange for the submission of three letters of reference. Materials should be received by March 31, 1996. To: Professor Alanna Scheperz, Chair, Organic Chemistry Search Committee, P.O. Box 208107, Yale University, New Haven, CT 06520-8107. Yale University is an Equal Opportunity/Affirmative Action Employer.

DIRECTOR OF MACROMOLECULAR RESOURCES

Colorado State University seeks applications for a non-tenure track position as the ASSOCIATE DIRECTOR of Macromolecular Resources. The facility is equipped with over $1 million in state-of-the-art instrumentation for DNA sequencing, gel electrophoresis, DNA sequencing, and other core laboratory services. The position is a 10-month appointment and is renewable on an annual basis. Qualifications: Ph.D. in Biochemistry or Molecular Biology. Colorado State University, Fort Collins, CO 80523. Colorado State University is an Equal Employment Opportunity/Affirmative Action Employer/Employment Opportunity Office: 21 Spruce Hall.

RESIDENT IN MICROBIOLOGY

We are interested in applicants for anlagenet general microbiology position. Send curriculum vitae and three letters of recommendation to: Dr. Lisa Heaven-Jones, Search Committee Chair, Department of Microbiology, University of Oregon, Eugene, OR 97403-1414. FAX: 541-346-1821. Affirmative Action/Equal Opportunity Employer.

The University of Vermont, a public university located in the city of Burlington, is an Equal Opportunity/Affirmative Action Employer.

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

The University of Tennessee Department of Chemistry

The Department of Chemistry, University of Tennessee, is seeking a position for a TENURE-TRACK PERSON to commence Fall 1996. We seek creative teacher-scholars who show promise for developing outstanding research programs at the graduate level. Responsibilities include teaching, conducting research with students, and maintaining a publication record. Candidates should send curriculum vitae and a statement of research plans and arrange for the submission of three letters of reference. Materials should be received by October 31, 1995. To: Professor Alanna Scheperz, Chair, Organic Chemistry Search Committee, P.O. Box 208107, Yale University, New Haven, CT 06520-8107. Yale University is an Equal Opportunity/Affirmative Action Employer.

The University of Connecticut Department of Molecular Genetics and Biochemistry

The Department of Molecular Genetics and Biochemistry, University of Connecticut Health Center, invites applications for a position at the ASSISTANT PROFESSOR level to commence Fall 1996. We seek creative teacher-scholars who show promise for developing outstanding research programs at the undergraduate and graduate level. Responsibilities include teaching, conducting research with students, and maintaining a publication record. Candidates should send curriculum vitae and a statement of research plans and arrange for the submission of three letters of reference. Materials should be received by October 31, 1995. To: Professor Alanna Scheperz, Chair, Organic Chemistry Search Committee, P.O. Box 208107, Yale University, New Haven, CT 06520-8107. Yale University is an Equal Opportunity/Affirmative Action Employer.

The University of Connecticut Department of Molecular Genetics and Biochemistry

The University of Connecticut Department of Molecular Genetics and Biochemistry, invites applications for a position at the ASSISTANT PROFESSOR level to commence Fall 1996. We seek creative teacher-scholars who show promise for developing outstanding research programs at the undergraduate and graduate level. Responsibilities include teaching, conducting research with students, and maintaining a publication record. Candidates should send curriculum vitae and a statement of research plans and arrange for the submission of three letters of reference. Materials should be received by October 31, 1995. To: Professor Alanna Scheperz, Chair, Organic Chemistry Search Committee, P.O. Box 208107, Yale University, New Haven, CT 06520-8107. Yale University is an Equal Opportunity/Affirmative Action Employer.
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Amgen is the world leader in developing and delivering innovative, cost-effective therapeutics based on advances in cellular and molecular biology. Our research environment emphasizes collaboration, intellectual honesty, scientific integrity, and a diverse and supportive culture.

We currently have the following opportunities available for Ph.D. level Research Scientists and BS/MS level Research Associates at our BOULDER, CO facility.

**DRUG METABOLISM**

Qualified candidates will have industry experience in the design and conduction of in vitro/in vivo metabolism studies on small molecule new drug entities, and a degree in Pharmacology, Pharmacy, Chemistry, or related field. (Job Code: OXP-SC-DM)

**MOLECULAR BIOLOGY**

Qualifications include a degree in Molecular Biology or related field and experience in inflammation biology with an emphasis on gene isolation, cloning, and expression; PCR; and hybridization. Post-doctoral opportunity is also available. (Job Code: OXP-SC-MB)

**CHEMISTRY**

Positions in this area require industry experience in synthetic organic chemistry applied to small molecule drug discovery in inflammation research as well as a degree in Synthetic Organic Chemistry or Chemistry. (Job Code: OXP-SC-CHEM)

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

At Amgen, you’ll find our approach to scientific research as rewarding as it is effective. We offer a highly competitive compensation and benefits package. Please mail your resume/c.v. to: Amgen Boulder, Human Resources Dept., Job Code: (see above), 3200 Walnut Street, Boulder, CO 80301. 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

Amgen
FACULTY POSITION
BACTERIAL PATHOGENESIS
University of Miami School of Medicine

The Department of Microbiology and Immunology at the University of Miami School of Medicine invites applications for a tenure-track faculty position at the ASSISTANT PROFESSOR level. Individuals with independent and/or collaborative research interests in any aspect of bacterial pathogenesis, including but not limited to virulence factors, host-pathogen interactions, and innate and adaptive immune response mechanisms, will be considered. Successful candidates will be expected to establish an active, externally funded research program and to contribute to the educational mission of the University. Applications from women and minorities are encouraged.

ANT PROFESSOR AND TENURE-TRACK FACULTY
Department of Molecular and Cellular Pathogenesis

The Department of Molecular and Cellular Pathogenesis at Tufts University School of Medicine invites applications for a position at the level of ASSOCIATE PROFESSOR or full professor. The successful candidate will join a dynamic department with a wide range of research interests in molecular and cellular biology, including but not limited to cancer biology, neurodegeneration, and drug discovery. Applications from women and minorities are encouraged.

RESEARCH FACULTY POSITION
Cardiac Electrophysiology
Open Rank

The University of Utah's Nora Eccles Harrison Cardiovascular Research and Training Institute has an opening in its cardiovascular physiology research program. Applicants must have a Ph.D. or M.D. and a strong background in cardiovascular physiology. Successful candidates will be expected to establish an active, externally funded research program and to contribute to the educational mission of the University. Applications from women and minorities are encouraged.

BAYLOR COLLEGE OF MEDICINE
Faculty Position in Molecular Microbiology

The Department of Microbiology and Immunology at Baylor College of Medicine invites applications for a TENURE-TRACK faculty position at the ASSOCIATE PROFESSOR level. All research interests will be considered, but preference will be given to individuals with expertise in microbial cell biology, pathogenesis, or bacterial genetics.

PHYSIOLOGICAL PSYCHOLOGY
Customized Position

The Psychology Department at Amherst College invites applications for a CUSTOMIZED position in physiological psychology. The rank is open, beginning in January or July 1996 and extending through June 1999. This position may be continued for an additional year if appropriate. Applications are encouraged from individuals with research interests in the area of physiological psychology, including but not limited to neuroimaging, neurocognition, and psychopharmacology. Applications from women and minorities are encouraged.

POSTDOCTORAL FELLOWSHIP
Endogenous Opiate Systems in Drug Abuse

The Neuroimaging and Drug Action Section at the National Institute on Drug Abuse is immediately opening for a POSTDOCTORAL FELLOW (Intramural Research Training Award) to study the modulation of endogenous opiate systems by drug abuse. The successful candidate must be a U.S. citizen or permanent resident and have a Ph.D. or M.D. and less than five years of postdoctoral experience. The research will involve in vivo mapping of biochemical processes in brain in non-human primate animal models. Knowledge of pharmacology, physiology and neuroanatomy is highly desirable. Salary is contingent upon experience, and review of applications will begin immediately. Successful candidate will be expected to submit a current curriculum vitae and a letter discussing research interests and experience to: Eddyhe Yang, Ph.D., Chief, Neuroimaging and Drug Action Section, National Institute on Drug Abuse, P.O. Box 1580, Baltimore, MD 21224. The National Institute on Drug Abuse is an Equal Opportunity Employer. Women and other minorities are encouraged to apply.

POSTDOCTORAL POSITION
Available at the Wes Center for Research in the laboratory of Dr. William Maltese. Studies focus on structure-function analysis of Rab GTP-binding proteins and the roles of specific Rab proteins in intracellular trafficking of Alzheimer's amyloid precursors. The Wes Center is a basic research institute located in an attractive rural environment. Starting date is flexible and salary depends on experience. Ph.D. in protein biochemistry, cell biology, or molecular biology is preferred. Interested individuals should send curriculum vitae, statement of interests and names of three references to: Geisinger Human Resources (WM), 100 North Academy Avenue, Danville, PA 17822-1529. Equal Opportunity Employer. Minority/Female/Disabled/Veteran.

POSTDOCTORAL POSITION
Available immediately to study molecular and cellular mechanisms of tick-borne spotted fever. The focus of the research is the investigation of mechanisms responsible for specific effects of apolipoprotein E on host immunity, survival, and disease. Prior experience in molecular and cellular biology is desirable. FAX curriculum vitae and names of three references to: 314-454-2685. Dr. Guojun Bu, Washington University School of Medicine, Box 8116, Saint Louis, MO 63110. Equal Opportunity/Affirmative Action Employer/Male/Female/Disabled/Veteran.

POSTDOCTORAL POSITION
Catalytic RNA/RNA Splicing

Applications are invited to study RNA splicing in a group lead by Michael R. Young. Carboxypeptidase A2 (CPA2) is a biochemistry or molecular biology required. Strong nucleic acids background desirable. Send curriculum vitae, names of three references, and a letter describing research interests and background to: University of Vermont, Microbiology & Molecular Genetics, 306 Staff Hall, Burlington, VT 05405. Email: jburke@moscow.uvm.edu.

POSTDOCTORAL RESEARCH ASSOCIATE position is available at the USDA, ARS, Beltsville Agricultural Research Center to study the mechanism of synthesis and role of β-glucans in plant-microbe interactions concentrating on the soybean symbiosis with Bradyrhizobium. Training in purification of proteins and microbial genetics is desired. Appointment for one year (renewable) at GS-9 ($29,898). Send resume to: Dr. Donald L. Kester, USDA, ARS, SARD, Building 200, Room 316, Beltsville, MD 20705. Telephone: 301-504-5723. USDA is an Equal Opportunity Employer.

This position is available immediately to study immune responses of two MHC-congenic lines of chickens to Salmonella enteritidis. A recent Ph.D. with cellular immunology background (cell culture, FACS), and an enthusiastic nature are required. Send curriculum vitae and names of three references along with telephone and FAX numbers to: Dr. Linda H. Keller, Laboratory of Avian Medicine & Pathology, New Bolton Center, 382 West Street Road, Kennett Square, PA 19348. Fax: 302-284-6630. E-mail: linda.keller@haggit.org. This position is available immediately.
First Announcement

SYMPOSIUM ON GENOMIC MEDICINE

DECEMBER 6-7, 1995 ROCKVILLE, MARYLAND

In celebration of the opening of its new campus, The Institute for Genomic Research (TIGR) and the TIGR Science Education Foundation, Inc. will cosponsor a symposium with the Applied Biosystems Division of Perkin Elmer Corporation devoted to four major topics:

Microbiological Genomes
Human Genome Mapping
Genetic Diseases
Ethical Impact

Scheduled speakers include:
W. French Anderson • Paul Billings •
Daniel Cohen • Neal Copeland • David Cox • Michael Czech • Andre Goffeau •
Stephen J. Gould • John Hardy • Michael W. Hunkapiller • Kenneth Kinsler • Brad Margus • Richard Moxon • Philip Reilly •
David Schlessinger • Mel Simon • Chris Somerville • Craig Venter • Ray White •
James Wilson

For registration information contact the Conference Office at:

Through September 8: 932 Clopper Road, Gaithersburg, MD 20878
301-216-9567 • 301-977-7233 FAX • seqconf@tigr.org (Internet)

After September 8: 9712 Medical Center Drive, Rockville, MD 20850 •
301-838-3509 • 301-838-0229 FAX • seqconf@tigr.org (Internet)

NATIONAL INSTITUTES OF HEALTH

DIRECTOR, DIVISION OF RESEARCH GRANTS

The National Institutes of Health (NIH) invites applications for the position of Director, Division of Research Grants (DRG). This is a Civil Service position in the Senior Executive Service (SES), with a salary ranging from ES-1 to ES-6 level per annum (currently $97,261 to $122,040, including a locality allowance). Physicians may be eligible for a comparability allowance of up to $20,000 per year. A recruitment bonus of up to 25% of base pay may be available to a non-Federal candidate selected for this position, subject to individual approval. A relocation bonus of up to 25% of base pay may be available to a permanent Federal employee who must relocate to accept this position, subject to individual approval. A one-year probationary period must be served by the individual selected if not currently in the career SES.

The incumbent serves as a principal advisor to the Director, NIH, and participates in discussions relative to the development of major policy decisions affecting the research grant and review program of the PHS; directs the search for qualified individuals to serve as members of initial review groups; participates in interagency discussions on the principal problems of Federal granting agencies, and meets with private research agencies to address shared issues relating to review; assures that effective administrative procedures are established so that program operations and obligations of government funds and other resources are rendered consistent with statutory and regulatory requirements and within limitations imposed; works closely with the Peer Review to assess broad policy issues related to the scientific review of research grants; provides leadership Oversight Groups in developing the scientific and administrative skills for Senior Research Administrators; and ensures smooth interface between program goals of Institutes and the Divisions review policies and procedures of the DRG.

The vacancy announcement with mandatory and desirable qualifications requirements can be obtained by calling (301) 498-1443. Applicants are required to submit a Bibliography, and either a Curriculum Vitae, Application for Federal Employment (SF-171), Optional Application for Federal Employment (OF-612), Resume, or any other written format which addresses the requirements indicated in this announcement, to the following address:

NATIONAL INSTITUTES OF HEALTH
Division of Senior Systems
6120 Executive Blvd, Ste 100
Rockville, Maryland 20852
Attention: Janice Balin

Applications must be postmarked no later than November 1, 1995

- Applicants with access to E-Mail may transmit their materials to the following E-Mail address: femailer@helix.nih.gov
- Applicants with access to the Internet's World Wide Web may wish to browse the NIH Home Page, and may apply through the Web at the following URL: http://www.nih.gov/news/
- Application materials may be FAXed to (301) 402-6139 (Please limit FAXed materials to no more than 10 pages)

Selection for this position will be based solely on merit, with no discrimination for non-merit reasons such as race, color, religion, sex, national origin, political affiliation, marital status, sexual orientation, handicapping condition, age or membership or non-membership in an employee organization.

NIH is an Equal Opportunity Employer
POSITIONS OPEN

POSTDOCTORAL SCIENTIST
Zürich, Switzerland

This project explores HIV latency by measuring various HIV mRNA in activated CD8+ T cells from HIV-infected individuals. The position demands creative molecular biology with an emphasis on in vitro hybridization. Preferred qualifications: experience, proficiency and proficiency with in situ hybridization. This is a two-year position, beginning October 1, 1995. Approximate salary: CHF 256,000.-. Send vitae and three references to: Dr. Richard Cone, Division of Infectious Diseases, Department of Medicine, University Hospital, Zürich, Kämistrasse 100, CH-8091 Zürich, Switzerland; Telephone: +41-1-255-3775; FAX: +41-1-255-3291; Email: infconer@usz.unizh.ch.

TWO NEUROBIOLOGY LABS MOVING
Ambitious Postdoctorals Wanted

Positions available in Program Project Grant to study molecular/cellular basis of taste transduction in new lab at University of Miami School of Medicine. Seeking experienced Ph.D.’s: molecular biologist, immunocyto- chemist, patch-clamp electrophysiologist. Applications (curriculum vitae, experience, three references) to: Dr. Nirupa Chaudhari or Dr. Stephen Roper, Department of Physiology and Biophysics (R430), P.O. Box 16430, University of Miami School of Medicine, Miami, FL 33101. Inquiries: nnchaudhari@vines.colostate.edu; telephone: 303-491-7286; or roper@lamar.colostate.edu; telephone: 303-491-7808.

A POSTDOCTORAL POSITION is available immediately to study the regulation of steroid receptors and other signal transduction proteins by components of the molecular chaperone machinery. Molecular and cellular approaches will be used: 1) to examine interactions in various multi- protein complexes consisting of major heat shock pro- teins, immunophils, and novel co-chaperones and 2) to study the influence of these complexes on signal transduc- tion. Send curriculum vitae and names of three references to: Dr. Robert F. Smith, Department of Pharmacology, University of Nebraska Medical Center, Omaha, NE 68198-6260. FAX: 402-559-7495. The University of Nebraska Medical Center is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION
UC SAN FRANCISCO

An immediate opening is available to study hematopoietic defects in mice bearing HOX homeobox deletions. Experience in marrow culture, murine transplantation, molecular biology required.

Send applications to: Dr. H. J. Lawrence, Hematol- ogy Research (151H), VA Medical Center, 4150 Clemente Boulevard, San Diego, CA 92103. FAX: 115- 221-4262, Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION available at the Uniformed Services University of the Health Sciences, Bethesda, Maryland, to study the molecular mechanisms of HIV neutralization escape mutations and their signific- ance for vaccine development. Interested individuals should send names of references, resumes, and cover letter to: Human Resources Department HMIF, Arnt: P12950174.1401 Rockville Pike, Suite 600, Rockville, MD 20852. Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION available immediately to study signal transduction through receptors for tumor necrosis factor and mitogen-activated protein kinase. Experience in molecular biology and use of the two-hybrid system helpful. Send curriculum vitae and names and telephone numbers of three references to: Dr. David Avner, Division of Medicine, School of Medicine, Walter翁 Oncology Center, 975 West Walnut Street, IB, 501, Indianapolis, IN 46202. FAX: 317- 274-3318.

POSTDOCTORAL POSITIONS available to study leukocyte adhesion to endothelial cells in vitro. Applications should include a brief, specific description of the basis for your interest, relevant experience, when you would like to start (within 3 years) and your availability for interview, and references. Applicants will be eligible. Reply to: Dr. L. Lampson, Laboratory of CNS Immunology and Tumor Biology, Center for Neurologic Diseases/LMRC, 1161 Brigham and Women’s Hospital, Boston, MA 02115.

POSTDOCTORAL POSITIONS available at the Center for Tropical Diseases, Department of Pathology, University of Tex- as Medical School, Houston, TX 77030. Salary: $36,000.00 at 872

POSTDOCTORAL POSITION
Medical University of South Carolina

A POSTDOCTORAL POSITION is available im- mediately to investigate the genetics of non-insulin-de- pendent diabetes mellitus. The research project will in- volve the identification and functional mapping of genetic markers linked to genes causing non-insulin-dependent diabetes mellitus in the Pima Indians and pre-diabetic individuals, developed in response to obesity. Re- search experience in molecular genetics, molecular biolo- gy and/or cellular biology required. Candidates should send a curriculum vitae, statement of research interests and three references to: Dr. Claire Allan or Dr. Timothy Garvey, Division of Endocrinology, De- partment of Medicine, Medical University of South Carolina, 138 Nathaniel G. Ashley, Charleston, SC 29425. FAX: 803-792-1270; Email: alani@msc.edu.

POSTDOCTORAL RESEARCH ASSOCIATE
Molecular Oncology

Position available immediately in a laboratory studying the molecular mechanisms of malignant transformation and developing new immun- and anti-cancer therapeutics. Must have a Ph.D. and documented experience with PCR, DNA, and RNA analysis and gene cloning. Knowledge of monoclonal antibodies and/or anti-cancer therapeutics, experience in mammalian expression systems desirable.

Please send or FAX curriculum vitae and names of three references to: Dr. Ewa M. Rakowicz-Szulczynska, As- sociate Professor, Director, Molecular Oncology Lab- oratory, Epalep Cancer Research Center, University of Ne- braska Medical Center, 600 South 42nd Street, Oma- ha, NE 68198-3255. FAX: 402-559-8112.

POSTDOCTORAL POSITION available immediately for qualified individual to study the role of SCL/tal gene dysregulation in T-cell leukemia. Model systems include rat embryo fibroblast transformation assays, char- acterization and breeding of transgenic mice overexpress- ing SCL, and SCL protein-protein interaction screens. Required experience in murine cell biology and basic immun- ohistochemistry background is preferred. Applicants should have demonstrated research excellence and strong oral and written communication skills. Please send or FAX curriculum vitae and names and addresses of three refer- ences to: Dr. Peter D. Aplan, Departments of Pediat- rics and Molecular Medicine, Roswell Park Cancer Institute, Elm and Carlton Streets, Buffalo, NY 14263. Telephone: 716-845-5773; FAX: 716-845- 4502; Email: pplan@sc101.med.buffalo.edu. Ros- well Park Cancer Institute is a Minority/Female/Disabled/Veter- an/Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION
DANA-FARBER CANCER INSTITUTE
Cellular and Molecular Immunology

A POSTDOCTORAL POSITION is available imme- diately to study the role of the novel collagen type IIa allogeneic bone marrow transplantation. Cellular or molecular immunology training will be helpful. Send curriculum vitae to: Dr. Bonna J. Rimm, Dana 1710B, DFC1, 44 Binney Street, Boston, MA 02115. Telephone: 617- 632-3804; FAX: 617-632-2085.

POSTDOCTORAL POSITION
UNIVERSITY OF CHICAGO

Position available to study protein-protein interac- tions of neurofilament in neural embryonic cells. Can- didate should have a strong background in molecular bio- chemistry and molecular biology. Please send curricu- lum vitae, a summary of research interests, and three letters of recommendation to: Dr. Andrea A. Man- goura, University of Chicago MCS5058, 5841 South Maryland Avenue, Chicago, IL 60637. Email: dm36@midway.uchicago.edu.

Two funded POSTDOCTORAL POSITIONS at Harvard Medical School are available immediately to study the molecular mechanisms by which proteins and organelles are targeted to the yeast lysosome for degrad- ation. 53 complementation groups required for this pro- cess have been identified. Future research will focus on the cloning and sequencing of the genes involved in this pathway. Send curriculum vitae and three names of refer- ences to: Dr. Michael A. Newcomb, Laboratory of Cell Biology, 25 Shattuck Street, Boston, MA 02115.
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POSTDOCTORAL POSITION
University of Pennsylvania

POSTDOCTORAL POSITION available immediately to investigate the biochemical, cellular and physiological aspects of lipoperoxide enzymes. Projects include structure/function analysis, molecular modeling and work with transgenic mice. Candidates should have a strong background in biochemistry and molecular biology. Experience with mouse experimentation is preferred. Please send curriculum vitae, a summary of research interests, and the names of three references to: Dr. Myra A. Lipes, Research Division, Joslin Diabetes Center, Harvard Medical School, 222 Longwood Avenue, Boston, MA 02115. Telephone: 617-373-0200; FAX: 617-373-1200; E-mail: lipems@joslab.harvard.edu.

POSTDOCTORAL POSITION
HARVARD MEDICAL SCHOOL

POSTDOCTORAL POSITION available immediately to study the pathogenesis of type 1 diabetes in a laboratory in which transgenic mice and gene targeting techniques are used. Applicants should have an interest in autoimmune mechanisms and have a strong background in molecular/cell biology including gene cloning and expression. Please send curriculum vitae, a summary of research interests, and the names of three references to: Dr. Myra A. Lipes, Research Division, Joslin Diabetes Center, Harvard Medical School, 222 Longwood Avenue, Boston, MA 02115. Telephone: 617-373-0200; FAX: 617-373-1200; E-mail: lipems@joslab.harvard.edu.
This symposium will provide an up-to-date comprehensive review on the perimenopause. Basic and clinical scientists will discuss salient aspects and recent and ongoing research on this important event in a woman's life. The symposium will be divided into basic and clinical sessions related to oocyte depletion, ovarian endocrine deficiency and its consequences, and treatment of specific problems.

The participant will be provided with the most recent information on gametogenic and endocrine failure and their consequences. The focus will be on characterizing findings which occur during the perimenopause, the causes of these changes, and possible treatments.

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The Department of Veterans Affairs (VA) invites applications for the position of Associate Chief Medical Director for Research and Development. The Office of Research and Development currently has an appropriated budget of approximately $250 million and supports biomedical, health services, and rehabilitation research of more than 2,500 VA scientists, more than 70 percent of whom are physicians. In addition, VA scientists receive more than $274 million in research support from extra-VA sources, such as the National Institutes of Health.

VA's research program is strongly committed to support of patient-oriented research across the entire spectrum from basic science to clinical applications of new knowledge. The incumbent is responsible for policy development, management of peer review of all investigator-initiated research studies and budget formulation and distribution. He/she will have overall responsibility for the managerial and scientific aspects for a program of medical care, prosthetic, rehabilitation and health services research of approximately $900 million. The individual selected will have a critical role in the organizational restructuring of this program. To qualify, you must have both strong scientific and managerial backgrounds, and hold an M.D. or earned Ph.D. Salary is $108,000 for non-clinicians, and $122,759 to $173,259 for physicians and dentists.

If you are qualified, you are invited to send a curriculum vitae by September 8, 1995 to: Management Support Office (163), 810 Vermont Avenue, N.W., Washington, DC 20420. For further information, call (202) 565-7616. The Department of Veterans Affairs is an Equal Opportunity Employer.

For further information and application materials contact: EID Laboratory Fellowship Program, ASTPHLD, 1211 Connecticut Avenue, N.W., Suite 608, Washington, D.C. 20036, Phone: 202-822-5227, Fax: 202-887-5098

Emerging Infectious Diseases (EID)
Laboratory Training and Research Fellowships
CDC - ASTPHLD

Administered by the National Centers for Infectious Disease, NCID/ CDC, and the Association of State and Territorial Public Health Laboratory Directors, ASTPHLD. This two-track program (Training and Research) will train qualified candidates to support public health initiatives, and provide opportunities for doctoral level scientists to conduct high priority infectious disease research in local, state or federal (CDC) public health laboratories. Applicants must be U.S. citizens and able to start appointments by January 5, 1996.

Training Fellowship: A one-year program designed for bachelors or masters level scientists, with emphasis on the practical application of technologies, methodologies and practices related to emerging infectious diseases. The training will be customized for each Fellow based upon infectious disease areas of interest, high priority laboratory personnel needs, and host laboratory capabilities. Training will focus on one or two areas such as: vaccine preventable diseases, drug resistant pathogens, molecular methods, vector-borne or zoonotic diseases, foodborne/waterborne illnesses, sexually transmitted diseases, computer and systems support, and diagnostic testing methods. The annual stipend is $10,008 (plus health benefits) which may be augmented by the host public health laboratory. Post-Doctoral Research Fellowship: A two-year program designed for doctoral level (Ph.D., M.D., D.V.M.) scientists with an emphasis on research or development in infectious diseases. Fellowships will be awarded to conduct applied research or development in areas relevant to public health including: development and evaluation of diagnostic techniques, antimicrobial sensitivity and assessment of mechanisms of resistance, principles and practices of vector or animal control, improved methodologies for environment sampling, testing and evaluation. The annual stipend is $19,608 to $32,000 (plus health benefits). Application Deadline: October 5, 1995.

New from the
New York Academy of Sciences

Forging a Women's Health Agenda
Policy Issues for the 1990s
Jeri Sechzer, Sheila Patten and Anne Griffin, Eds.
Proceedings of a workshop sponsored by the Women in Science section of the New York Academy of Sciences, October 21, 1992

The papers in this volume assemble a wealth of medical, scientific, and legal data concerning the specific health problems that can arise in the course of a woman's lifespan and have the greatest impact on her life. The most pressing and pressing concerns in women's health are identified and essential information on a wide array of issues is offered by a distinguished group of scientists working directly on these problems as well as representatives of organizations concerned with issues of women's health.

Coverage includes: political insturion on women's health problems; sex and gender bias in research, prenatal treatment and mother's rights; infant mortality and prenatal care; reproductive hazards in the workplace, fertility and reproductive choice, sexually transmitted diseases, dissemination of HIV, RU 486; breast cancer; breast cancer in African American women; ovarian and uterine cancer; cardiovascular disease, osteoporosis, and women's health and public policy.

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CLINICAL DIRECTOR
An outstanding clinician-investigator to establish an independent research program and oversee intramural clinical research is sought by the Division of Intramural Clinical and Biological Research (DICBR), National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Institutes of Health (NIH). The position is located in Bethesda, Maryland.

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NIAAA Personnel
Attn: Kathleen Hanratty
NIH Bldg 31/1B58
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NIH is an Equal Opportunity Employer. Applications from women, minorities, and persons with disabilities are strongly encouraged. The DICBR/NIAAA is a smoke-free environment.

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The AACR is a professional society of over 10,000 scientists involved in basic, clinical, and translational cancer research. Major activities include:

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- Six to eight special conferences each year focused on timely issues in cancer research
- Three summer workshops providing unique training opportunities particularly for young investigators
- Special programs for minority scientists
- Travel grants to AACR meetings and a growing number of research fellowships
- Employment register of available positions and candidates in the field
- Publication of an up-to-date directory of over 10,000 members and a quarterly newsletter

American Association for Cancer Research
Public Ledger Building, Suite 816
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Philadelphia, PA 19106-3483
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ANNOUNCEMENT

GRANT PROGRAM
Molecular Devices Corporation offers a limited number of equipment grants to both U.S. and International academic/government institutions performing basic research in mammalian cell biology. The intent of this grant program is to provide academic/government researchers access to the Cytosensor® Microphysiometer technology at a substantially reduced cost, thereby enabling them to make novel discoveries using the Cytosensor System, with the ultimate goal of publication.

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For a comprehensive information package including guidelines for grant submittal, scientific publications, Application Notes, Technical Bulletins and a Reference Guide please contact:

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POSTDOCTORAL FELLOWS
IDEC Pharmaceuticals is a leader in the development of immunologically active monoclonal antibodies for therapeutic applications in the area of certain cancers and autoimmune disorders. We pride ourselves in the excellence of our team members and invite you to join us. We seek two Postdoctoral Fellows to join our growing team.

Gene Expression: This position will focus on: enhancing our current expression system in CHO, using homologous recombination to develop high-level immunoglobulin expression in CHO, and leading basic research projects on gene expression of heterologus glycoproteins in mammalian cells. The duties will include performing complex molecular biology techniques and sterile, tissue culture as well as developing, executing, and evaluating complex experiments. The selected candidate will have a Ph.D or equivalent in molecular biology, genetics, or a related field.

Molecular Immunology: This position will focus on genetic engineering of recombinant antibodies, ligands, receptors, and antigens for the development of therapeutic antibodies and vaccines. Qualified candidates will have a Ph.D or equivalent in immunology, molecular immunology, molecular biology or related fields, with significant experience in genetic engineering.

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POSTDOCTORAL/PROFESSIONAL RESEARCHER FELLOWSHIPS  
IN THE  
DEPARTMENT OF ANATOMY AND NEUROBIOLOGY  
UNIVERSITY OF CALIFORNIA, IRVINE

Several positions for research in individual laboratories in the Department are available for candidates who have demonstrated research promise at the postdoctoral and professional researcher series level. The emphasis of research in the Department is the Neurosciences with special expertise in developmental neurobiology, cellular and molecular neurobiology, and neuromorphology. The faculty of the Department and their research interests are:

Dr. Tallie Z. Baram: Cellular basis of neonatal seizures.
Dr. Robert H. Blanks: Eye movement control, physiology of upper airway.
Dr. Anne L. Calof: Developmental neurobiology: mechanism of cell death.
Dr. James H. Fallon: Chemical neoanatomy, transmitters and growth factors.
Dr. Christine M. Gall: Limbic/factory anatomy, neurotrophic factors, neuronal gene expression, epilepsy, limbic neuroanatomy.
Dr. Roland A. Giolli: Visuomotor system; structure/function relationships.
Dr. Edward G. Jones: Transmitter regulation in primate cerebral cortex.
Dr. Leonard M. Kitzes: Auditory system anatomy and physiology.
Dr. W. Ian Lipkin: Neurotropic viruses and viral pathogenesis, Borna disease virus.
Dr. Sandra E. Loughlin: Monamines, peptides and growth factors, and their receptors.
Dr. Diane K. O'Dowd: Function and regulation of ion channels and development of functional synaptic connections.
Dr. Charles E. Ribak: Epilepsy, neurotransmitters and hippocampal circuits.
Dr. Richard T. Robertson: Developmental neurobiology of cerebral cortex.
Dr. Martin A. Smith: Regulation of gene expression during synapse formation.
Dr. Ivan Soltesz: Plasticity of cortical inhibition.
Dr. John E. Swett: Spinal cord and peripheral nervous system.
Dr. John H. Weiss: In vitro models of selective neurodegeneration; roles of glutamate receptors/channels, calcium and other endogenous factors.

Interested applicants should send curriculum vitae to:
Dr. Richard T. Robertson, Professor and Interim Chair  
Department of Anatomy and Neurobiology  
University of California, Irvine  
Irvine, CA 92717-1275

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NEW FROM THE NEW YORK ACADEMY OF SCIENCES

Combined Vaccines and Simultaneous Administration: Current Issues and Perspectives  
Jim C. Williams, Karen L. Goldenhal, Druilailla L. Burns, and Benjamin P. Lewis, Editors  
Proceedings of a workshop sponsored by the Center for Biologic Evaluation and Research, U.S. Food and Drug Administration, July 28-30, 1993
Brings together contributions from members of the scientific, public health, and regulatory communities to address safety, immunogenicity, protective efficacy, development of immunologic correlates of protection, and manufacturing issues. Scientific advances and regulatory issues bearing on the development of combination vaccines and vaccines for simultaneous administration, are covered, as are the goals and impact of the Children’s Vaccine Initiative.  
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Mary E. Wilson, Richard Levin & Andrew Spielman (Harvard School of Public Health), Editors  
Proceedings of a workshop sponsored by the Harvard School of Public Health’s Working Group on New and Reemerging Diseases, November 7-10, 1993
Practitioners of diverse disciplines report on newly developed techniques, including molecular biology, genetics, mathematical modeling, and remote sensing, which are exploited in an effort to understand global configurations of infectious disease emergence. Analysis of historical examples reveals patterns not apparent during a single lifetime of observation. This volume emphasizes the creative use of cross-disciplinary approaches to extend the limits of knowledge in this important area.  
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DNA: The Double Helix: Perspective and Prospective at Forty Years  
Donald A. Chambers (University of Illinois at Chicago), Editor  
Proceedings of a conference sponsored jointly by the New York Academy of Sciences, the University of Illinois at Chicago, and Green College of Oxford University, October 13-15, 1994
Celebrates the 40th anniversary of the publication of the original papers describing the structure of DNA as a double helix with papers by many of the major participants in this biological revolution as well as by current leaders in molecular biology. Includes reminiscences of the early history of molecular biology that led to the discovery of DNA’s structure and conclusions concerning where those discoveries are likely to take us in the 21st century.  
ISBN 0-89776-905-3  
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472 Pages; 34 Papers  
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VACANCY ANNOUNCEMENT

DEPUTY DIRECTOR OFFICE ON WOMEN’S HEALTH  
U.S. PUBLIC HEALTH SERVICE

The U.S. Department of Health and Human Services (DHHS), is recruiting for the position of Deputy Director of the Public Health Service’s (PHS) Office on Women’s Health (OWH), a senior position within the DHHS and located in Washington D.C. The incumbent will serve as the second-in-command in the OWH, collaborating with the Deputy Assistant Secretary for Health (Women’s Health) in planning, implementing, coordinating and evaluating both the various policy and program initiatives undertaken by the OWH and across the agencies of the Public Health Service including NIH, CDC, FDA, HRSA, AHCPR, SAMHSA, IHS, and 10 PHS regional offices.

The PHS’s Office on Women’s Health is the cornerstone in the Department’s overall commitment to the improvement of women’s health. The OWH provides national leadership in the advancement of women’s health in policy and program development, service delivery, and the conduct of research, and in public and health care professional education. The Office serves as a catalyst to the development of new initiatives in women’s health at the national and regional levels, and establishes collaborative partnerships between the public and private sectors to advance women’s health nationwide. The mission of the Office is to: (1) increase women’s access to comprehensive disease prevention, health promotion and treatment programs nationwide; (2) stimulate and strengthen a broad spectrum of research on women’s health issues; (3) the public and health care professionals about women’s health issues, and (4) foster the recruitment, retention and promotion of women in the health professions and in research careers in our nation’s academic and federal institutions.

The Deputy Director’s salary ranges from $71,664 to $92,856 per year (GS-15). An additional allowance of $10,000 to $20,000 will be paid to physicians. Applicants should possess a Doctor of Medicine degree OR bachelor’s or higher degree with a major in an academic field related to the health sciences or allied sciences. In addition, must have experience in directing, conducting and evaluating scientific programs and assessing and implementing public policy dealing with public health, with an emphasis on women’s health. For further information about this position, qualification requirements, and application procedures, call (301) 443-6900. Position opens 7/31/95 and closes 8/30/95. The U.S. Government is an equal opportunity employer. Minorities, women, and persons with disabilities are encouraged to apply.

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Qualified candidates will possess a PhD in pharmacokinetics/biopharmaceutics with a thorough understanding of pharmacokinetic and pharmacologic processes, as well as analytical and statistical methods. Candidates must be familiar with analytical methods development for the quantitation of drug candidates in various biological fluids. At least 2 years experience, preferably in industry, with a strong familiarity with FDA regulatory procedures and requirements is a must. Experience with regulatory submission (INDs and NDAs) is highly desirable.

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Please send curriculum vitae with cover letter to: Personnel Manager, Ad #8-31, MRL Human Resources, WP42-2, Merck Research Laboratories, P.O. Box 4, West Point, PA 19486. EEO/AAA/Employer.

**MERCK**

**NIH Re-Entry Program**

The Office of Research on Women's Health (ORWH) offers programs to enhance recruitment, retention, re-entry and advancement of women in biomedical careers.

**Re-Entry Program**—Encourages fully trained women and men to re-enter an active research career after taking time off to attend to family responsibilities.

**ORWHnews Computer Conference**—Provides information on research and career opportunities as part of the NIH Education Network accessible via Internet (tenet uytburr.cu.nih.gov). Call 301-496-0608 for a user's guide.

A report, "Women in Biomedical Careers: Dynamics of Change," is available from ORWH.

**National Institutes Of Health**

Office of Research on Women's Health

Joyce Rudick, Building 1, Room 201, 1 CENTER DR MSC 0161
BETHESDA MD 20892-0161
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**UNIVERSITY OF FLORIDA**

Center for Structural Biology

**FACULTY POSITIONS: NUCLEAR MAGNETIC RESONANCE**

The Center for Structural Biology of the College of Medicine, University of Florida currently has an opening for a faculty member conducting innovative research emphasizing nuclear magnetic resonance. The Center is associated with the National High Magnetic Field Laboratory (NHMFL), which is jointly run by Florida State University, the University of Florida, and the Los Alamos National Lab. The Center is an interdisciplinary program with emphasis on understanding of biological function by determining high-resolution structures of large biological molecules and assemblies, studying cell structure and function, and the morphology and physiology of the whole organism. Within the Center, advanced spectroscopic, diffraction, and imaging techniques (nuclear magnetic resonance, optical microscopy, and electron microscopy; X-ray crystallography is being planned) are used to derive molecular-based information related to cellular, tissue, and organism-level structure and function. The Center houses NMR spectrometers (Varian Unity 300 and Unity 600) used for macromolecular structure determination and microscopy. In addition, Center faculty work with their NMR spectrometers located at the NHMFL, Tallahassee site, including a wide-bore 600 MHz and a 720 MHz high-resolution spectrometer, with additional magnets systems. Applications from minorities and women are strongly encouraged.

The Center wishes to recruit a macromolecular high-resolution NMR spectroscopist. Interested persons are invited to apply for this tenure-track faculty position, at any level, with direct association to the National High Magnetic Field Laboratory. Applicants at the assistant professor level need extensive experience with NMR and the post-doctoral or more advanced level with interest in developing and expanding experimental techniques. In addition, applicants at the associate or full professor level need to have established program with extramural funding. Successful candidates will conduct innovative research emphasizing NMR and use the facilities of the Center for Structural Biology, with additional support provided through the facilities of the NHMFL. Opportunities exist for collaborative research in areas such as biochemistry, cell biology, pharmacology, or physiology.

Applicants must have a Ph.D. Degree and a minimum 1 year postdoctoral experience. Submit a C.V. with statement of research interests and three letters of reference by September 15, 1995. Anticipated starting date January 1, 1996. Salary commensurate with experience. All correspondence should be sent to Thomas H. Mareci, Ph.D., Director, Center for Structural Biology, College of Medicine, University of Florida, Box 100245, Gainesville, FL 32610-0245. The University of Florida is an Affirmative Action-Equal Opportunity employer, and applications from minorities and women are strongly encouraged. Gainesville is an attractive University community in North-central Florida with good low-cost housing, quality public schools, and many outdoor activities.
Assistant Professor of Pharmacutics
The University of Michigan

Applications are invited for a full-time, tenure-track position at the level of Assistant Professor of Pharmacutics. Salary will be commensurate with qualifications and experience. Candidates should have a Ph.D. and a minimum of one year postdoctoral experience with research interests in one or more of the following areas:

- transport/drug delivery
- a biopharmaceutics/pharmacokinetics
- drug metabolism

Candidates who emphasize molecular biology in their research approach are preferred. The successful candidate will be expected to participate in both undergraduate and graduate instruction and develop an independent research program in his/her area of expertise.

The position is presently available and the review of applications will begin immediately. Preferential consideration will be given to applications received by September 30, 1995. Applicants are requested to provide a letter of application, a curriculum vitae, a statement of research interests and three letters of recommendation to:

Dr. Nafr Rodríguez-Hornedo
Chair, Search Committee for Faculty Position in Pharmacutics
College of Pharmacy
University of Michigan
Ann Arbor, Michigan 48109-1065

*The University of Michigan is an Equal Opportunity, Affirmative Action Employer.*

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**POSTDOCTORAL RESEARCHER**

**UNIVERSITY OF CALIFORNIA, IRVINE**

Postdoctoral position available immediately to work on the neuropathology of schizophrenia. Two or more years experience in neuroanatomy and/or molecular biology preferred. M.D. or Ph.D.

Send curriculum vitae and three references to:

Dr. Edward G. Jones, MD., Ph.D.
Department of Anatomy and Neurobiology
University of California, Irvine
Irvine, California 92717-1275

University of California is an Equal Opportunity/Affirmative Action Employer committed to excellence through diversity.

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**PROFESSOR**

**Harvard Medical School**

**Brigham and Women's Hospital**

The Harvard Medical School and Brigham and Women's Hospital jointly invite applicants with a commitment to the broad field of gene therapy for the position of Professor of Medicine (Human Genetics). We anticipate that this individual will direct a premier program of fundamental research and also collaborate with leadership of gene therapy initiatives at Harvard Medical School and its affiliated hospitals. Nominations, letters of application and curriculum vitae should be sent to: Dr. Dennis L. Kasper, Chairman, Search Committee, Channing Laboratory, Brigham and Women's Hospital, 180 Longwood Avenue, Boston, MA 02115.

*Harvard University and Brigham and Women's Hospital are Equal Opportunity/Affirmative Action Employers and encourage the application of qualified women and minorities.*

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**Faculty Positions (Tenure Track) and Postdoctoral Fellowships in The Hollings Cancer Center Medical University of South Carolina**

As part of the continuing development of the Hollings Cancer Center, four tenure-track faculty positions have become available at the level of assistant/associate professor. Applications are invited from individuals with Ph.D. and/or M.D. degrees whose research interests complement our existing programs in either molecular carcinogenesis, experimental therapeutics, molecular biology of cytokines, or clinical oncology research. Preferred candidates will be those who are currently principal investigators on peer-reviewed research grants. Appointments will be within the Departments of Experimental Oncology, Medicine, or other academic departments where mutual interests may exist. Highly competitive start-up packages are available that include support for faculty and technical salaries, laboratory supplies, and the purchase of major equipment.

**CARPENTER FELLOWSHIPS:** Two post doctoral fellowships are available for study in the laboratories of Hollings Cancer Center members. These fellowships will support research activities in experimental therapeutics, hematopoiesis, molecular carcinogenesis, and cancer prevention. Candidates should have a recent Ph.D. degree in a cancer-related discipline.

Applicants for either faculty or fellowship positions should send a curriculum vitae, description of research interests, and the names and telephone numbers of three references to:

Daniel J. Fernandes, Ph.D., D.Sc.
Hollings Cancer Center
Medical University of South Carolina
171 Ashley Avenue
Charleston, SC 29425-2850

*The Medical University of South Carolina is an equal opportunity employer.*

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**FACULTY POSITIONS DEPARTMENT OF CHEMISTRY**

The Department of Chemistry seeks to fill several tenure-track faculty positions at the assistant professor level to begin September 1996. Outstanding senior candidates will also be considered. Broadly defined areas of interest are biological, inorganic and organic chemistry. Demonstrated excellence in innovative research and a strong commitment to teaching at both the undergraduate and graduate levels are essential. Candidates should submit a curriculum vitae, undergraduate and graduate transcripts in the case of junior candidates, list of publications, statement of research and teaching interests, and three letters of recommendation to: Professor Matthew S. Platz, Chair, Department of Chemistry, The Ohio State University, 120 W. 18th Avenue, Columbus, OH43210-1173. Alternative contact may be made via telephone (614-688-3390) or FAX (614-292-1685). Review of applications will begin October 2, 1995, and interviewing of candidates will begin as early as November 15, 1995.

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

Geron is the first biotechnology company to focus exclusively on the development of therapeutic agents for age-related diseases emerging from new advances in molecular and cellular gerontology. These diseases include atherosclerosis, senile dementia, age-related immune suppression and cancer. Our growth has created an opportunity for an experienced scientist.

This position offers substantial opportunity for personal growth. The successful candidate will participate in all aspects of the drug discovery process, concentrating on the development of therapeutics using state-of-the-art high-throughput screening technology.

Candidates should have Ph.D. in Cell Biology, Biochemistry, Molecular Biology, Neurobiology, or a related field, and at least one year of postdoctoral experience. A record of research productivity and intellectual creativity is essential. Experience with automation and robotics is desirable.

Our innovative research company offers a competitive salary, benefits and stock incentive program. Please send your resume to: Geron Corporation, Attn: Human Resources Dept., 200 Constitution Drive, Menlo Park, CA 94025. EOE.

FACULTY POSITION IN MASS SPECTROMETRY DEPARTMENT OF CHEMISTRY

A search has been initiated for a faculty member with an active research program in the area of mass spectrometry. Candidates will be considered at both the junior and senior level. We are particularly interested in individuals with research activities in the biosciences.

Commitment to teaching at both the undergraduate and graduate levels is required in addition to excellence in research. The University has made a commitment to fortify research and teaching associated with the chemistry of biological materials. The opportunity exists for the candidate to be a leader in interdisciplinary and collaborative efforts in the molecular life sciences.

Interested applicants should submit a curriculum vitae, undergraduate and graduate transcripts in the case of junior candidates, list of publications, brief statement of proposed directions for both research and teaching, in addition to three letters of recommendation to: Professor Matthew S. Platz, Chair, Department of Chemistry, The Ohio State University, 120 W. 18th Avenue, Columbus, OH 43210-1173. Alternative contact may be made via telephone (614-688-3390) or FAX (614-292-1685). Review of applications will begin October 2, 1995, and interviewing of candidates will begin as early as November 15, 1995.

The Ohio State University is an Equal Opportunity, Affirmative Action Employer. Women, minorities, Vietnam-era veterans, disabled veterans, and individuals with disabilities are encouraged to apply.
The Basic salary range is $84,710 per Branch (SF-171). The Legislature, Handicappers Applicants (with dynamic tenure) must support and coordinate the Basic Immunology Branch and its Molecular and Structural Immunology Section. We offer competitive salaries and outstanding benefits.

The Basic Immunology Branch Chief is a GS-15 position with a salary range up to $92,856 per annum for physicians and $88,326 per annum for non-physicians. The Molecular and Structural Immunology Section Chief is a GS-14 position with a salary range up to $84,710 per annum for physicians and $75,085 per annum for non-physicians. Physicians comparability allowance up to $20,000 may be applicable.

Please send resume or your Application for Federal Employment (SF-171) to:

Personnel Office
PHS/NIH/NAID
Bldg. 31, Room 7120
9000 Rockville Pike
Bethesda, MD 20892
Announcement No AI-95-075/AI-95-076
Telephone: 301-402-1421
Fax: 301-486-1940
ATTN: Kristie Daniel

U.S. Citizenship required.
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APPLICATIONS AND NOMINATIONS ARE INVITED FOR THE POSITION OF
DEAN
COLLEGE OF VETERINARY MEDICINE
MICHIGAN STATE UNIVERSITY

Michigan State University invites applications and nominations for the position of Dean, College of Veterinary Medicine, Michigan State University. An individual is sought who will provide leadership for the continuing excellent development of instructional, research, clinical, and outreach programs, and who will serve as a representative of the college in its interactions with other MSU colleges, the public, the legislature, and the veterinary community. The Dean of the College of Veterinary Medicine is the chief executive officer and is responsible to the provost and the president for the general administration of the college.

Michigan State University enrolls approximately 40,000 students and is a research-intensive land-grant institution with 14 colleges, including the Colleges of Human and Osteopathic Medicine. Its 5,000-acre park-like campus is widely recognized as one of the most beautiful in the nation. The College of Veterinary Medicine consists of the Departments of Large and Small Animal Clinical Sciences, and the shared Departments of Anatomy, Microbiology, Pathology, Pharmacology and Toxicology, and Physiology. In addition, the college contains the Animal Health Diagnostic Laboratory and the Veterinary Teaching Hospital, which are situated in a modern, state-of-the-art facility. The college’s $25 million all-funds budget supports approximately 150 ranked faculty and 320 support staff. The 400 veterinary medical students and 60 graduate students are enrolled in the DVM professional program, MS and PhD programs, or intern residency programs in various clinical specialties. There is also a baccalaureate program in Veterinary Technology. Both the DVM and the Veterinary Technology programs are fully accredited by the AVMA.

Applicants must have the DVM degree (or its equivalent), and a doctorate is preferred. A demonstrated commitment to research, teaching, clinical service, and outreach is necessary. Evidence of scholarship and dynamic leadership is essential. Candidates must meet standards for appointment at the rank of professor (with tenure) in an academic department in the college. Women and minorities are encouraged to apply. Expected starting date is July 1, 1996, or as soon as possible thereafter.

Handicappeds have the right to request and receive reasonable accommodation.

Applications and nominations are requested as soon as possible, and preferably by October 1, 1995. The committee will begin evaluation of applications immediately after Labor Day (September 5, 1995), so an early submission is desirable.

Applications and nominations should be sent to:

Dr. David J. Sprecher, Chairperson
Search and Rating Committee for Dean
College of Veterinary Medicine
Michigan State University
312 Administration Building
East Lansing, MI 48824

MSU is an Affirmative Action/Equal Opportunity Institution

LOUISIANA STATE UNIVERSITY

ASSISTANT PROFESSOR
Assistant Professor of Molecular Genetics, anticipated. The Department of Poultry Science, Louisiana Agricultural Experiment Station, Louisiana State University Agricultural Center invites applicants for an Assistant Professor (non-tenure track; minimum two year appointment) to join an active multi-disciplinary research team to examine endocrine mechanisms of stimulating ovulation in avian species. Candidates should possess a Ph.D. in biochemistry, microbiology, or a closely related discipline with specific experience in PCR technologies, DNA sequencing, DNA synthesis, expression systems, protein purification, and DNA diagnostics. Beneficial, but not required, areas of expertise would include knowledge in endocrinology and reproductive physiology. Interested persons should submit a letter of intent and curriculum vitae to Dr. Roger A. Teekell, Professor and Department Head, Department of Poultry Science, 102 Clyde Ingram Hall, Louisiana State University, Baton Rouge, LA 70803. Telephone: (504) 388-4481. Louisiana State University is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR
Assistant Professor of Immunology, anticipated. The Department of Poultry Science, Louisiana Agricultural Experiment Station, Louisiana State University Agricultural Center invites applicants for an Assistant Professor (non-tenure track; minimum two year appointment) to join an active multi-disciplinary research team to examine endocrine mechanisms of stimulating ovulation in avian species. Candidates should possess a Ph.D. in biochemistry, microbiology, or a closely related discipline with specific experience in PCR technologies, DNA sequencing, DNA synthesis, expression systems, protein purification, and DNA diagnostics. Beneficial, but not required, areas of expertise would include knowledge in endocrinology and reproductive physiology. Interested persons should submit a letter of intent and curriculum vitae to Dr. Roger A. Teekell, Professor and Department Head, Department of Poultry Science, 102 Clyde Ingram Hall, Louisiana State University, Baton Rouge, LA 70803. Telephone: (504) 388-4481. Louisiana State University is an Affirmative Action/Equal Opportunity Employer.

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DEKALB Genetics Corporation is the fastest growing agricultural seed company in the U.S. Our mission is to provide our customers with seed products that improve their productivity and profitability. We believe our biotechnology research program will play an increasingly important role in fulfilling that mission. We seek bright, creative and ambitious scientists to join our expanding multidisciplinary team focused on the genetic improvement of crop plants.

QUANTITATIVE GENETICIST - We seek an experienced quantitative geneticist to lead a multidisciplinary team focused on the application of molecular markers to plant breeding. A Ph.D. in genetics with experience in DNA marker technology, quantitative trait analysis and plant breeding is required.

DNA MARKER LAB MANAGER - We have an opening for an experienced and ambitious molecular geneticist to join our expanding effort in molecular marker assisted plant breeding. We seek a well organized individual with a solid background in genetics and molecular biology to oversee the daily operations of our molecular marker lab, including the supervision of technical staff, and to contribute to the development of new methodologies in molecular marker mapping. An M.S. degree with experience in molecular biology, genetics and computers is required. Experience in gene mapping, quantitative trait analysis, and laboratory management is desirable.

PROTEIN BIOCHEMIST - We seek a resourceful and independent scientist with expertise in the purification and characterization of proteins from natural and recombinant sources to work with both our product discovery and product development teams. Applicants should have a demonstrated ability to design and perform biochemical studies, purify proteins from complex mixtures and establish enzyme and immunological assays. A Ph.D. in Biochemistry is required. Postdoctoral experience and some industrial experience is desirable.

INSECT RESISTANCE - We have opportunities for scientists at the B.S., M.S. and Ph.D. levels to join a research team focused on the discovery and development of genes for insect resistance. Individuals with experience in molecular biology, protein biochemistry or entomology are encouraged to apply.

The successful candidates will be located at DEKALB’s Discovery Research laboratory facility in Mystic, CT, a scenic shoreline community located on Long Island Sound halfway between New York and Boston. In addition to a stimulating scientific environment, DEKALB offers competitive compensation, an attractive benefits package and an outstanding working environment.

Send applications and the names, addresses and phone numbers of three professional references to: Ms. Katrina Henry, DEKALB Discovery Research, 62 Maritime Drive, Mystic, CT 06355-1958.

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Medical Information Scientist

The Medical Information Scientist is responsible for exceeding the medical information needs of a sub-set of customers with diverse needs in highly technical disease entity, medical economic and/or product information areas. If selected, you will represent our group to thought leaders within non-traditional and academic communities. You will identify, establish and maintain service relationships by providing up-to-the-minute, well-researched information to clinicians, investigators and institutions who impact on product purchasing decisions. We are seeking individuals with Pharm.D., Ph.D., and/or M.D. credentials who have highly developed interpersonal and computer skills, as well as a commitment to public health and welfare while working in a team environment.

We offer a highly competitive compensation and benefits package. For consideration resumes and salary requirements must be received no later than Friday, August 26, 1995. Replies should be mailed to Astra Merck, Inc., 135 Corporate Woods, #350, Rochester, NY 14623, attn: David Sen, Business Manager. No phone calls please. We are an equal opportunity/affirmative action employer.
Innovative management style, social responsibility, workforce diversity, and environmental concern are the hallmarks of our company and the reasons that we have become the world leader in health care. Those who choose a career with us, will join the best, most creative minds in the pharmaceutical industry. Together they will strive to realize Merck’s corporate mission which is to provide society with superior, innovative products that improve and protect human and animal health.

At Merck, you will find many routes to success and many helping hands along the way. If you would like to join our very special company, please write to: Manager, Human Resources, Merck & Co., Inc., P.O. Box 2000, Rahway, New Jersey 07065. RY80-A3

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ENGINEERING - Biochemical (BS/MS/PhD). Chemical (BS/MS/PhD). Civil (BS/MS/PhD). Electrical (BS/MS/PhD). Environmental (BS/MS/PhD). Industrial (BS/MS/PhD). Mechanical (BS/MS/PhD). SCIENCE - Biological Sciences (BS/MS/PhD). Biochemistry (BS/MS/PhD). Chemistry (BS/MS/PhD). Information Systems (BS/MS/PhD). Medicine (MD/MD/MBA). Pharmacology (BS/MS/PhD). Veterinary Medicine (DVM).

INDIANA UNIVERSITY

TENURED FACULTY POSITION-PHYSICAL CHEMISTRY. The Department of Chemistry at Indiana University invites applications for a tenured position in experimental physical chemistry at the level of Associate or Full Professor. Outstanding, established teachers-scholars are sought whose interests will complement those of the current faculty. The position is available beginning with the academic year 1996/97. Applicants should submit a curriculum vitae, a list of publications, and a brief discussion of on-going research projects to Professor Ernest R. Davidson, Chair of Search Committee, Department of Chemistry, Indiana University, Bloomington, Indiana 47405 (FAX: (812) 855-8300, e-mail: davidson@indiana.edu). The deadline for receipt of applications is November 1, 1995. Minority and female applicants are encouraged to apply. Indiana University is an equal opportunity/affirmative action employer.

ANALYTICAL CHEMISTRY

The Department of Chemistry at Indiana University, Bloomington, invites applications for a tenure-track faculty position in analytical chemistry at all levels beginning in the Fall of 1996. Junior-level applicants must show exceptional promise of establishing a vigorous, independent research program in an academic setting. Junior-level applicants should submit a curriculum vitae, a publication list, and a short resume of ideas for the development of research programs, and arrange to have three letters of recommendation forwarded. Established investigators should send a letter of application and appropriate supporting materials. Deadline for applications is October 16, 1995. Please apply to: Professor Gary M. Hieftje, Chairman of Search Committee, Department of Chemistry, Indiana University, Bloomington, IN 47405. Indiana University is an Affirmative Action/Equal Employment Opportunity Employer and especially encourages applications from women and members of minority groups.
MOLECULAR BIOLOGIST

The DuPont Merck Pharmaceutical Company is focused on meeting unmet medical needs through the discovery and development of innovative compounds leading to novel pharmaceuticals.

Currently, a position is available for a motivated and experienced Molecular Biologist. The qualified candidate should have a BS or MS degree in molecular biology or a related field together with several years of work experience. In addition to standard molecular biology protocols, familiarity with RNA isolations, RT-PCR, RNase protection assays, in situ hybridization and other RNA manipulations is highly desirable. Some background in chemistry, especially as it pertains to oligonucleotide synthesis would be helpful.

We offer a highly stimulating scientific environment, a competitive salary and a comprehensive benefits package. For immediate consideration, please forward your resume to: Human Resources-KBD, The DuPont Merck Pharmaceutical Company, Experimental Station, 400/2413, P.O. Box 80400, Wilmington, DE 19880-0400. An equal opportunity employer.

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Postdoctoral Scientist

SmithKline Beecham, a worldwide leader in the pharmaceutical industry, has an opening for a Postdoctoral Scientist in our Gene Expression Sciences department.

The selected candidate will utilize skills to perform experiments in gene cloning, characterization of transcriptional regulatory factors and identification of gene control elements for a novel receptor involved in hematopoietic signalling.

To qualify, you must have a Ph.D. in Molecular Biology or relevant field with experience in proaryotic and eukaryotic gene cloning, gene regulatory technologies and with radioactive compounds. Publications in scientific journals is required.

Located in our state-of-the-art research facility in suburban Philadelphia, SmithKline Beecham offers an excellent compensation/benefits/relocation package as well as a stimulating work environment. For confidential consideration, please send your resume to: SmithKline Beecham Pharmaceuticals, Job Code M0249, P.O.Box 2646, Bala Cynwyd, PA 19004. We are an Equal Opportunity Employer, M/F/D/V.

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Qualified candidates will have a Ph.D. in Biological Sciences, Ecology, or Wildlife Management, and 5+ years' consulting work experience beyond the Ph.D. Background should include preparing ecological risk assessments, large EFs/EAs, demonstrated technical project management and execution, and writing skills. Certification by the Ecological Society of America as a Senior Ecologist and specialized training in conducting ecological risk assessments would be desirable.

Metcalf & Eddy offers a salary commensurate with experience and a comprehensive benefits package. For consideration, please forward your resume and salary history to: Dept. 3895C, Metcalf & Eddy, 30 Harvard Mill Square, Wakefield, MA 01880.

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NEUROSCIENTIST POSITIONS

The Department of Anatomy and Neurobiology at Colorado State University has tenure track openings for three neuroscientists at the level of Assistant Professor or higher. The Department is an integral part of the campus-wide Program in Neural Growth and Development. Successful applicants will contribute to Department and Program teaching, which includes courses in the undergraduate, graduate and professional veterinary medicine curricula. Areas of teaching need include developmental neurobiology, human gross anatomy, neuroanatomy and related areas.

Successful applicants will be expected to maintain an extramurally-funded research program. The applicants' research should complement interests of the Department and Program which include structure and function of membrane receptors and ion channels; neural integration, particularly at the cellular level; and disorders of the nervous system. Preference will be given to applicants whose research employs techniques of molecular biology or digital imaging.

Closing date for applications is October 15, 1995; the search may be extended. Preferred start date July 1996. Send CV and names of three references to: Chair, Search Committee, Department of Anatomy and Neurobiology, Colorado State University, Fort Collins, CO 80523. CSU is EEO/AA employer. E.O. Office: 23 Spruce Hall, Fort Collins, CO 80523.

CLINICAL DIRECTOR

NIH/NIEHS

NIH's Intramural Program is seeking a tenured Clinical Director to conduct independent clinical research and direct NIH/NIEHS' clinical research activities. The successful candidate will be responsible for developing clinical research programs to study the environmental component of diseases and dysfunctions; facilitating and evaluating collaborative clinical research between intramural investigators; and ensuring that optimal medical care is provided to all patients participating in NIH/NIEHS' protocols through the institute's clinical contracts with Duke and the University of North Carolina.

Salary range to $148,400 depends upon qualifications, with relocation expenses available. The position must be filled by a physician. Applicants with certification in internal medicine, gynecology, oncology or other specialties, and demonstrated research and clinical excellence are encouraged to call 919-541-3317 or write Norma Daye, Human Resource Management Branch (HNV116), NIH/NIEHS, MD 1-01, P. O. Box 12233, Research Triangle Park, NC 27709 to request an application package. Complete application packages must be returned to Norma Daye at the above address postmarked by November 7, 1995 to receive consideration.

NIH is an Equal Opportunity Employer; applications from women, minorities and persons with disabilities are strongly encouraged.
THE UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER

FACULTY AND POSTDOCTORAL POSITIONS: NEUROBIOLOGY OF PAIN AND NEURONAL REGENERATION

The Pain Research Program at the University of Texas Southwestern Medical Center is committed to a period of expansion, focusing on the molecular and cellular mechanisms of pain, neuronal injury and nerve regeneration. We are seeking applications for Associate or Assistant Professor positions. A candidate must be an accomplished scientist and leader in the neurophysiology and neuropharmacology of the spinal cord and peripheral nervous system. A Ph.D. and/or M.D. degree with at least 5 years of research experience, a record of publications in peer-reviewed journals and expertise in procuring research support is required.

Postdoctoral positions (4) are available in the fields of somatosensory transduction, peripheral nerve regeneration, molecular biology of neuronal regeneration, biochemistry and pharmacology of spinal nociception and analgesia, molecular biology of anesthetic mechanisms, and behavioral analgesic research. A Ph.D. in neurobiology, molecular biology or a related field is required.

Interested applicants should send a copy of their curriculum vitae and names of three references to:

Darrell L. Tanelian, Ph.D., M.D.
Director, Pain Research Program
Department of Anesthesiology and Pain Management
The University of Texas Southwestern Medical Center
5323 Harry Hines Blvd.
Dallas, TX 75235-9068

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First Annual Conference on Recruitment and Retention of Minority Scientists

Unlocking Opportunities: Fostering Diversity in the Scientific Workforce in the Pharmaceutical and Biomedical Industries
26 - 27 October 1995

This is a unique opportunity to be part of an exciting forum where professionals from industry, government, universities and associations will discuss and share strategies related to the recruitment, retention and professional development of minority scientists.

Sponsored By: The American Association for the Advancement of Science
Location: Washington D.C. (Crystal City Marriott, Arlington, Virginia)


Price includes full conference, opening cocktail reception, continental breakfast and lunch; does not include hotel accommodations.

For information call: Janis Crowley (212) 496-7704
An activity of Science Linkages in the Community (SLIC) and supported by a grant from the DeWitt Wallace-Reader's Digest Fund

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Applications accepted on a continuous basis throughout the year. Those postmarked by January 15 will be reviewed in the February competition, by April 15 in June, and by August 15 in October.

For application materials and information on participating laboratories contact:

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FAX: (202) 334-2759

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A Ph.D. in Biochemistry or related field with at least 2-3 years' laboratory experience in assay development or drug discovery screening is required. Master's level scientist with extensive demonstrated experience may be considered. Candidates must possess detailed knowledge of biological assays (enzyme-substrate, receptor-ligand, protein-protein, hybridization) and be expert at handling biologicals (proteins, nucleic acids, antibodies). The successful candidate must be available to work in our international lab as required.

If you qualify and desire a challenge, please send your resume, with salary requirements to: Debbie Tolla, Packard Instrument Company, 800 Research Parkway, Meriden, CT 06450. Equal Opportunity Employer M/F/V/H.

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**Pharmaceutical Dosage Form Development**

**Senior Scientist to Director Level**

Cato Research, Ltd., is a contract research organization which engages in pharmaceutical product development and FDA registration on behalf of clients in the pharmaceutical and biotechnology industry. We are looking for experienced professionals who have expertise in the following areas:

- Pharmaceutical Dosage Form Development
- Analytical Chemistry Development
- Sterile Products/Biologics

Minimum requirements include a Ph.D. in Pharmacy, Analytical Chemistry, or Biology and at least 5 years of recent hands-on experience in a U.S. pharmaceutical company. These are non-laboratory opportunities requiring the ability to direct, coordinate, and manage complex CMC and dosage form development. Experience in sterile products and biologics is a strong plus, but not required. Knowledge of GMP, IND, NDA, and PLA requirements is essential.

For consideration, please send your resume to: PD/SEC, Cato Research Ltd., 4364 S. Alston Ave., Suite 201, Durham, NC 27713-2280. No phone calls or third party agencies, please. EOE.

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**TOXICOLOGIST**

STERITECH, a fast-growing San Francisco bay area biopharmaceutical company, has an immediate opening for a toxicologist with whole animal testing experience.

Toxicologist's responsibilities are predominantly administrative (oversee/assist in monitoring GLP studies conducted by contract research labs) and approximately 20% research or lab projects (plan and conduct in-house in vivo tertiary screening).

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Steritech offers excellent salaries/benefits, including 401(k), stock options and medical/dental plans. Send CV resume, three professional references and salary history to: Toxicologist, Steritech, Inc., 2525 Stanwell Dr. #300, Concord, CA 94520. Applicants only.

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The position requires a PhD in Entomology with experience in Insect Physiology. Undergraduate teaching experience and evidence of an ability to structure subjects are an advantage to the application. Postdoctoral experience is preferred. Applications should demonstrate an active research program and an ability to work with others on complex projects. Further details are available from the Head, Department of Entomology, The University of Queensland, Brisbane, Qld 4072 Australia. Telephone +61-7-365-2271, facsimile +61-7-365-1922, email address g.gordh@mailbox.uq.oz.au. The Department’s strengths and a profile of students, staff and curriculum are available on World Wide Web. Our WWW home page address is: http://www.uq.oz.au/entomology/home.html.

Salary $A42,198 – $A50,110 per annum. Eight copies (original plus seven copies) of both application and a curriculum vitae, quoting Reference No. 36495, with the names, addresses and facsimile numbers of three (3) people who could be contacted for references, should be forwarded to the Director, Personnel Services, The University of Queensland, Brisbane Qld 4072 Australia. Closing date: 1 September 1995.

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Postdoctoral Position for Behavioural Pharmacologist

A position is offered for a 2-year postdoctoral fellowship. The task consists in implementing behavioural models/paradigms employing instrumental/classical conditioning techniques in the discovery and development of drugs to alleviate psychiatric and neurodegenerative disorders.

The ideal candidate should meet the following requirements: Ph.D. awarded or very near completion; good theoretical and practical background in behavioural pharmacology using instrumental/classical conditioning procedures (e.g. latent inhibition, conditioned reinforcement, matching-to-sample tasks).

For further information, please contact Dr. Kevin McAllister on (0)31 377 67 07 (Berne/ Switzerland).

Applications should be addressed to

Sandoz Research Institute Berne Ltd., attn. Mr. U. Kaufmann, P.O. Box, CH-3001 Berne

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The responsibilities of the successful applicant will include: (1) development of an active research program and publication of research results in international journals; (2) development of an undergraduate subject in Insect Physiology and subjects related to her/his areas of research expertise; (3) collaboration with other researchers within the Department and the Centre for Tropical Pest Management and (4) training postgraduate students at the Honours, Masters and PhD level in her/his area of expertise.

The University of Queensland has become one of the premier Australian institutions in biological science research. We anticipate that the successful applicant will develop close ties with a number of departments and research centres at The University of Queensland, such as the Department of Biochemistry, Centre for Microscopy and Microanalysis and the Centre for Molecular and Cellular Biology.

The position requires a PhD in Entomology with experience in Insect Physiology. Undergraduate teaching experience and evidence of an ability to structure subjects are an advantage to the application. Postdoctoral experience is preferred. Applications should demonstrate an active research program and an ability to work with others on complex projects. Further details are available from the Head, Department of Entomology, The University of Queensland, Brisbane, Qld 4072 Australia. Telephone +61-7-365-2271, facsimile +61-7-365-1922, email address g.gordh@mailbox.uq.oz.au. The Department’s strengths and a profile of students, staff and curriculum are available on World Wide Web. Our WWW home page address is: http://www.uq.oz.au/entomology/home.html.

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Applications must be received by 11 September 1995, on the application form available from the Foundation. Please contact:

Foundation for Research, Science and Technology
P O Box 12-240 Wellington New Zealand
Tel: 64-4-499 2559 Fax: 64-4-499 2568

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ANNOUNCEMENTS

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The Mary Ingraham Bunting Institute of Radcliffe Col- lege, a university interdisciplinary center, offers FELLOW- SHIPS for women scholars, scientists, artists, and writers. Office space, auditing privileges, and access to libraries and most other resources of Radcliffe College and Harvard Uni- versity are provided. The application area and par- ticipation in the Institute community are required during fellowship appointment. Applicants must have held the Ph.D. or appropriate terminal degree for at least two years prior to appointment. Science Scholars Fellowship Pro- gram (funded by the Office of Naval Research. Applicants must be U.S. citizens) is open to women in fields of astron- omy, molecular and cellular biology, biochemistry, chemis- try, cognitive and neural sciences, computer science, electri- cal engineering, aerospace/mechanical engineering, geolo- gy, materials science, mathematics, physics, naval architecture and ocean engineering, oceanography, and all fields that re- late to the study of ocean. Biomedical Research Fellow- ship Program (funded by the Office of the Burroughs Well- come Fund. Applicants must be U.S. citizens or permanent residents) is open to women in all fields of biomedical re- search. Stipends are $34,200 plus $3,000 in research expendi- tures for each month appointment, September 15, 1996 to August 15, 1997. Application deadline: October 15, 1995 (postmarked). Write or call for application: 34 Concord Avenue, Cambridge, MA 02138. Telephone: 617-495- 8212. Email: bunting_fellowships@radcliffe.harvard.edu.

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