EMPLOYMENT OPPORTUNITY

CHIEF, Pharmacokinetics Branch
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Experimental Toxicology Division
Pharmacokinetics Branch
Research Triangle Park, North Carolina

The U.S. Environmental Protection Agency is seeking an established scientist to lead its nationally recognized Pharmacokinetics Branch in the Experimental Toxicology Division, National Health and Environmental Effects Research Laboratory, Research Triangle Park, NC (http://www.epa.gov/nheerl/etd/). The Branch is responsible for planning and conducting a comprehensive research program focused on understanding and describing the fate and disposition of chemicals in the body and ultimately developing quantitative models for extrapolation/prediction in the context of the Agency s risk assessment activities. The successful applicant will have a unique opportunity in collaboration with Branch investigators to develop and manage innovative research strategies to extrapolate xenobiotic exposure from animal to human effects. He/she will work with multidisciplinary research teams at EPA as well as area universities who share an interest in developing PBPK/dose-response models and other methods for enhancing our knowledge of the health effects of xenobiotics and improving risk assessment methods. The position includes significant administrative and management responsibilities. Working with other Division managers, the incumbent will provide scientific and managerial leadership of the program, facilitate program development to meet the mission-oriented needs of the EPA, present the program to EPA and non-EPA audiences, develop and manage budgets and related resources, and supervise the staff.

As Branch Chief, we seek an individual who is a competent research leader/science administrator/manager as demonstrated by: the conception and formulation of productive research programs; administrative supervision, management and support of Ph.D.-level scientists who conduct independent and team-oriented research; budget management experience; and substantial peer reviewed publications in pharmacokinetics/pharmacodynamics or related areas. Experience in one or more areas of pharmacokinetics including physiologically based-pharmacokinetic (PBPK) and mechanistic modeling, characterization and analysis of xenobiotic distribution, absorption, metabolism, and elimination in biological systems (both in vivo and in vitro) is desirable. **The preferred candidate would possess an advanced degree in pharmacology, toxicology, mathematics, engineering, physical/biological sciences or a closely related field**. **Eligible candidates must be U.S. citizens.** This is a permanent, full-time position. The position will be filled at the GS 14/15 level with an annual salary range of $76,271 to $116,633 commensurate with qualifications. The selected candidate will be eligible for a full benefits package, including relocation expenses, health insurance, life insurance, retirement, and vacation and sick leave benefits.

HOW TO APPLY: Vacancy announcement and application instructions will be posted on the U.S. Office of Personnel Management (OPM) web site at http://www.usajobs.opm.gov/a9epa.htm as of 03-18-2002 under announcement number **RTP-DE-2002-0098**. The application deadline is 05-31-2002.

The U.S. EPA is an equal employment opportunity employer.

ATMOSPHERIC ENVIRONMENTAL SCIENTIST
FOR ENERGY RESEARCH AND TECHNOLOGY APPLICATIONS

Excellent opportunity for an experienced environmental scientist to join the nation's largest public power producer, the Tennessee Valley Authority. The position is based in Muscle Shoals, AL.

Responsibilities include serving on an interdisciplinary team of scientists and engineers that evaluates and assesses the environmental and public health impact of utility related air, land and water releases. Will need to be able to provide leadership and focused analysis of public health issues related to the operation of a multifaceted power generating and river management system.

Requires US citizenship and a PhD degree or equivalent in environmental health epidemiology, toxicology or health risk assessment, or an MS degree with a minimum of three years related work experience. Must be proficient with standard software applications and statistical analysis packages. Proven command of the English language, public speaking and communication skills are necessary.

Immediate availability. TVA offers a competitive salary and excellent benefits. Please refer to this ad when you fax, e-mail or mail your resume, transcript and three references to: TVA Staffing - Resumix • 1101 Market Street EB 8B Chattanooga, TN 37402 • Fax: 423.751.8707 • E-mail: abouldin@tva.gov. For additional job opportunities, visit our Web site at www.tva.com

TVA is an equal opportunity employer. Selections will be based on merit and efficiency as set out in the TVA Act and applicable laws prohibiting discrimination in federal employment.

TA1201161

Departmental Chair
Environmental Health Department

Boston University School of Public Health

The Boston University School of Public Health (BUSPH) is seeking a Chairperson for its Environmental Health Department. This dynamic and diverse department offers both Masters and Doctoral level degrees, and is committed to expanding its fifteen-person faculty. The school's mission is to promote a stimulating academic environment that supports excellence and innovation in education, research, and service to improve the health of local, national, and international populations, particularly the disadvantaged, underserved, and vulnerable.

The successful candidate for this position should have attained the rank of Professor or Associate Professor or be in a senior leadership position if applying from a governmental or non-governmental institution. The candidate should have a distinguished record of scholarship in his/her sub-discipline and a commitment to excellence in both research and education. A proven ability to attract external funding and a commitment to the effective administration of a strong and growing academic department are important. Scientist/educators from laboratory sciences, epidemiology, and social sciences are encouraged to apply.

BUSPH and the Department of Environmental Health are receptive to candidates interested in expanding the department into new areas of inquiry complementing the ongoing efforts of the departmental faculty. Current department activities include a large Superfund Basic Research Program, and ongoing research programs in environmental epidemiology, immunotoxicology, urban environmental health, occupational safety and health, and environmental health policy. Interdepartmental collaborations within BUSPH and collaborations with the BU School of Medicine faculty are strongly encouraged and logistically feasible.

Please send a curriculum vitae and letter of interest by June 1, 2002 to:
Environmental Health Search Committee
c/o Office of the Dean
Boston University School of Public Health
715 Albany Street
Boston, MA 02118-2526

Boston University is an equal opportunity employer. We encourage applications from women and minorities.

UMDNJ
University of Medicine & Dentistry of New Jersey

THE STATE UNIVERSITY OF NEW JERSEY
RUTGERS

DIRECTOR, ENVIRONMENTAL AND OCCUPATIONAL HEALTH SCIENCES INSTITUTE

Piscataway, New Jersey

Jointly sponsored by the University of Medicine and Dentistry of New Jersey – Robert Wood Johnson Medical School and Rutgers, The State University of New Jersey, the Environmental and Occupational Health Sciences Institute (EOHSI) seeks a Director and invites nominations and expressions of interest.

The Environmental and Occupational Health Sciences Institute was founded in 1986 as an interdisciplinary research institute with the mission to conduct scientific research, train health professionals and communicate its findings to professional and lay groups. It addresses environmental issues of significance to New Jersey, the nation and the world and has achieved national and international prominence for its success. It is a National Institute of Environmental Health Sciences Center of Excellence and has recently been designated as a NIEHS/EPA Center for Childhood Neurotoxicology and Exposure Assessment. It has six multi-disciplinary divisions: Environmental Health, Environmental Policy, Exposure Measurement and Assessment, Occupational Health, Public Education and Risk Communication and Toxicology. It now attracts $35 million annually in extramural funding and is housed in a dedicated 75,000 square foot state-of-the-art building. The nearly 100 faculty affiliated with the Institute have academic appointments at the UMDNJ-Robert Wood Johnson Medical School, the UMDNJ School of Public Health or at Rutgers University.

The Director will
- shape and drive a strong research agenda tied to the multi-disciplinary mission of the Institute
- lead and manage the faculty and staff whose efforts result in knowledge, education and communication of environmental impacts on public health
- recruit and retain colleagues who can extend the standard of excellence of the work of the Institute
- plan and direct the supporting infrastructure
- develop partnerships in the universities, with healthcare institutions, with public and private organizations and in the community.

The Director will be a nationally recognized, dynamic scientist and leader with experience in a complex university/medical school environment. S/he will be a demonstrably strong manager with understanding of academic financial issues. S/he will report to the Joint Managers, appointed by the presidents of the two universities, and will work collaboratively with the leadership of both universities. The Director will show significant success in attracting support and effectiveness in enhancing an institution's national visibility. An earned doctorate in an appropriate field is required as is a superb record of research. Excellent communication skills are essential. Salary is competitive and commensurate with qualifications and experience.

The search is underway and will continue until the position is filled. Expressions of interest and nominations should be sent, in confidence, to Mary Elizabeth Taylor, Witt/Kieffer, 780 Third Avenue, 38th Floor, New York, NY 10017 or to EOHSI@wittkieffer.com. The University of Medicine and Dentistry of New Jersey and Rutgers University are both affirmative action and equal opportunity employers. Witt/Kieffer, an executive search firm focusing on health care and higher education, is supporting both universities in this search.

Educational Management Network/Witt/Kieffer

ENVIRONMENTAL SCIENCES/ENVIRONMENTAL HEALTH
Assistant / Associate Professor
The University of Texas School of Public Health at Houston
Brownsville, El Paso and San Antonio Regional Campuses

The University of Texas School of Public Health at Houston (UTSPH) invites applications for four tenure-track Assistant Professor or Associate Professor level faculty positions in environmental sciences, environmental health or related field. The positions are with the Regional Campuses in Brownsville (one), El Paso (one) and San Antonio (two). New hiring will bring each campus to 10-12 Public Health faculty members. Each of the regional campuses is an integral part of UTSPH and is located on a University of Texas host campus in a multicultural, dynamic community offering extensive opportunities for research and teaching.

Responsibilities include research, teaching and advising graduate students, and community service. Opportunities for border-environmental research are plentiful. The positions include opportunities for collaboration with faculty at the main UTSPH campus in Houston, and other Regional Campuses. Teaching may include introductory and specialty elective courses. Community service activities should involve and foster collaborative initiatives with local, state, national, and international health agencies that focus on border health problems.

General qualifications include: (1) earned doctorate in Environmental Science, Environmental Health or a related field, (2) commitment to excellence in teaching and advising graduate students, (3) demonstrated ability to support an active research program in one or more environmental health specialties, (4) strong interest in collaborative research, and (5) excellence in written and oral communication skills. Spanish fluency is desirable, as is previous border health experience.

Review of applications will begin immediately and continue until the position is filled. Academic rank will be determined by qualifications of candidates. Applicants should submit electronically a letter of interest (noting location preferences), C.V., and contact information for three professional references to: **Lawrence Whitehead, Ph.D., The University of Texas Health Science Center at Houston, School of Public Health, 1200 Herman Pressler, W-1016, Houston, Texas 77030, FAX: 713-500-9442, email: Lawrence.Whitehead@uth.tmc.edu**

THE UNIVERSITY *of* TEXAS
HEALTH SCIENCE CENTER AT HOUSTON

The University of Texas is an Equal Opportunity Affirmative Action Employer. Minorities and women are strongly encouraged to apply.

Fellowships in Environmental Pathology/Toxicology

University of Washington

Two predoctoral and two postdoctoral training fellowships in the Environmental Pathology/Toxicology Training Program at the University of Washington are available beginning July 1, 2002. The program centers on research on the molecular mechanisms of toxic injury and/or the genetic basis of differential responses to toxic agents. The research focus of the program is divided into 4 interactive areas: Biotransformation and Oxidative Injury, Neuro & Developmental Toxicology, Mechanistic Approaches to Risk Assessment and Molecular Carcinogenesis/Mutagenesis

Postdoctoral applicants must have a doctoral degree (Ph.D., DVM or MD) in toxicology, pharmacology, molecular biology, biochemistry or a closely related field. Applicants must be US citizens or permanent residents at the time of appointment. NRSA Stipend levels FY 2002. Contact mkl@u.washington.edu or visit www.pathology.washington.edu/academic/ept for application information.

APPLICATION DEADLINE: OPEN

NIEHS Laboratory of Signal Transduction

Regulation of Signal Transduction Pathways by Adaptor Proteins (HNV 02-09)

Immediate opening for a postdoctoral fellow to study the biochemical and physiological role of Intersectin (ITSN). ITSN is a novel adaptor protein that links the endocytic machinery with activation of mitogenic signaling pathways [JBC (2000) 275, 27414; Oncogene (2001) 20, 6300]. In addition, ITSN is thought to function in a variety of neurological diseases and may also have a potential role in human malignancies. Although ITSN is widely expressed, there is a larger brain-specific splice variant which possesses a guanine nucleotide exchange factor domain for Rho family GTPases further suggesting an involvement of ITSN in regulation of Rho-dependent processes. We are currently examining the role of ITSN in cellular signaling, endocytosis and mitogenesis through the use of tissue culture models, animal models, biochemistry and molecular biology.

Applicants must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

Contact: John P. O' Bryan, Laboratory of Signal Transduction, F3-06, (919) 541-3619, fax: (919) 541-1898, e-mail: obryan@niehs.nih.gov

The National Institute of Environmental Health Sciences and the National Toxicology Program

Dedicated to combating environment related diseases by studying the effects of environmental exposures on human health…

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Exciting Postdoctoral Training Opportunities Available…

Action and Function of PPARs and Nuclear Orphan Receptors
Anton M. Jetten, Ph.D. (jetten@niehs.nih.gov)

Cyclooxgenases, NSAID's and Cancer
Robert Langenbach, Ph.D. (langenb1@niehs.nih.gov)

Development and Function of Male Germ Cells
E.M. Eddy, Ph.D. (eddy@niehs.nih.gov)

DNA Polymerase Fidelity
John W. Drake, Ph.D. (drake@niehs.nih.gov)

DNA Replication Fidelity/DNA Mismatch Repair
Thomas A Kunkel, Ph.D. (kunkel@niehs.nih.gov)

Eicosanoid Biochemistry
Thomas Eling, Ph.D. (eling@niehs.nih.gov)

Functions of Heterotrimeric G Proteins: Biochemistry and Gene Inactivation
Lutz Birnbaumer, Ph.D. (birnbau1@niehs.nih.gov)

Glucocorticoid and Orphan Nuclear Receptor Action
John Cidlowski, Ph.D. (cidlowski@niehs.nih.gov)

Lipid Mediators (Eicosanoids) in Cardiovascular Function
Darryl C. Zeldin, M.D. (zeldin@niehs.nih.gov)

Mechanisms of Cell Adhesion and Migration
Steven Akiyama, Ph.D. (akiyama@niehs.nih.gov)

Mechanisms of Chemical-Induced Carcinogenesis
Burhan Ghanayem, Ph.D. (ghanayem@niehs.nih.gov)

Mechanisms of Glia-Mediated Neurodegeneration
J.S. Hong, Ph.D. (hong3@niehs.nih.gov)

Mechanisms of Regulation of Apoptosis
John Cidlowski, Ph.D. (cidlowski@niehs.nih.gov)

Microchimerism in the Pathogenesis of Myositis and Other Autoimmune Conditions"
miller19@niehs.nih.gov

Neuroendocrinology
korach@niehs.nih.gov

Protein Mass Spectrometry
Kenneth Tomer, Ph.D. (tomer@niehs.nih.gov)

Receptor Trafficking and Mechanism of G Protein Activation
Mariel Birnbaumer, Ph.D. (birnbau2@niehs.nih.gov)

Regulation of Signal Transduction Pathways by Adaptor Proteins
John O'Bryan, Ph.D. (obryan@niehs.nih.gov)

Role of Mammalian Base Excision DNA Repair
Samuel H. Wilson, M.D. (wilson5@niehs.nih.gov)

Signal Transduction by Inositol Phosphates
Stephen Shears, Ph.D. (shears@niehs.nih.gov)

Stress Induced Signaling Pathways
Elizabeth Murphy, Ph.D. (murphy1@niehs.nih.gov)

Structure and Function of Mammalian DNA Polymerases
Samuel H. Wilson, M.D. (wilson5@niehs.nih.gov)

Structure and Function of Voltage-Independent, TRP-Based Cation Channels
Lutz Birnbaumer, Ph.D. (birnbau1@niehs.nih.gov)

Synapse Development and Plasticity
Serene M. Dudek, Ph.D. (dudek@niehs.nih.gov)

Telomeric Chromatin Structure
James Mason, Ph.D. (masonj@niehs.nih.gov)

X-Ray Crystallography of Protein-RNA Complexes
Traci M.T. Hall, Ph.D. (hall4@niehs.nih.gov)

Visit NIEHS at http://www.niehs.nih.gov or our vacancy website at http://www.niehs.nih.gov/vacancy/vacancy.htm

NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES, NATIONAL INSTITUTES OF HEALTH
P.O. BOX 12233, RESEARCH TRIANGLE PARK, NC 27709-2233

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NIEHS Laboratory of Signal Transduction

G-protein coupled receptor structural studies (HNV 02-13)

A postdoctoral position is available to study the spatial structure of a G protein coupled receptor applying biochemical and biophysical techniques. The position is in the laboratory of Dr. Mariel Birnbaumer. Appropriate reactive sites shall be introduced into the receptor protein by site-directed mutagenesis, and the proximity of the transmembrane domains and portions of the intracellular loops will be examined by derivatization of the protein with reagents capable of generating fluorescent or paramagnetic signals. Mild receptor proteolysis shall contribute additional data to these studies. Expertise in molecular biology, biochemistry or cell biology are desirable.

Applicants must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

Contact: Mariel Birnbaumer, Laboratory of Signal Transduction, F2-01, (919) 541-1433, e-mail: birnbau2@niehs.nih.gov

NIEHS Laboratory of Molecular Carcinogenesis

Molecular Toxicology and Carcinogenesis (HNV 00-23)

A postdoctoral position is available in the Molecular Toxicology Group to investigate molecular alterations and gene expression changes during liver and lung chemical carcinogenesis in mouse models. Particular emphasis is on oxidative stress mechanisms involved following treatment with nongenotoxic carcinogens. Current projects include cDNA microarray analysis of livers after carcinogenic doses of nongenotoxic carcinogens, related studies on markers of oxidative stress, and studies on the role of beta-catenin and Wnt signaling in mouse liver carcinogenesis. The overall work environment is highly interactive, and there are excellent analytical and other support services. Extensive experience in molecular biology and biochemistry is required. Applicants must have a Ph.D.

Applicants must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

Contact: Theodora R. Devereux, Laboratory of Molecular Carcinogenesis, MD D4-04, 919-541-3241, fax: 919-316-4620, e-mail: devereux@niehs.nih.gov

NIEHS Laboratory of Molecular Carcinogenesis

Molecular Epidemiology of DNA Repair Genotype, Phenotype, and Mutation in Cancer (HNV02-03)

A Molecular Biology Fellowship position is available to investigate the role of human variation in DNA repair on cancer risk. Studies will examine the correlation between DNA repair phenotype, repair gene polymorphisms, and mutation frequency in preneoplastic and normal tissue. Research will focus on applying phenotypic measures of DNA repair capacity in specimens from epidemiologic studies of cancer patients and controls. A large collection of well-characterized biological samples is available with detailed genotypic information. Experience with Comet, Host Cell Reactivation, Chromosomal Break, or other measures of DNA repair is desirable. This position features opportunities for interdisciplinary training in the rapidly expanding field of molecular epidemiology. Excellent resources, equipment, supplies, and opportunities for training and development are available.

Applicants must have a Ph.D. and/or M.D. or equivalent degree in molecular biology, cell biology, biochemistry, genetics, or related field, and must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

Contact: Jack A. Taylor, Laboratory of Molecular Carcinogenesis, MD A3-05, 919-541-4631, fax: 919-541-2511, e-mail: taylor@niehs.nih.gov

NIEHS Eicosanoid Biochemistry Section

Eicosanoid Biochemistry Section (HNV02-04)

The Eicosanoid Biochemistry Section has a postdoctoral position available to delineate the mechanisms responsible for the anticarcinogenic activity of NSAIDs (COX inhibitors) and carcinogenesis associated with aberrant expression of COX and lipoxygenase. Emphasis is placed on alternation in gene expression by COX inhibitors as measured by microarray and differential expression and the use of transgenic mice that express either COX-2 or the antitumorigenic protein NAG-1 (Mol. Pharm. 59,901, 2001).

Applicants must have a Ph.D. in molecular biology, cell biology, biochemistry, toxicology, or related field, and must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

Contact: Thomas Eling, Eicosanoid Biochemistry Section, MD E4-09, 919-541-3911, fax: 919-541-0146, e-mail: eling@niehs.nih.gov

NIEHS Laboratory of Signal Transduction

Signal Transduction by Inositol Phosphates (HNV01-21)

A position is available for a molecular biologist with experience in cell culture and a particular interest in transgenics. Experience with viral transfection systems is a plus. As well as furthering our understanding of the roles of inositol phosphate phosphatases in cell biology, transgenic animals with altered expression of these enzymes have commercial potential. The successful candidate will participate in a collaborative effort between Dr. Steve Shears at the NIEHS and Dr. Jim Petitte at NC State.

Applicants must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

Contact: Stephen B. Shears, Laboratory of Signal Transduction, MD F2-06, 919-541-1898, fax: 919-541-0793, e-mail: shears@niehs.nih.gov

NIEHS Laboratory of Molecular Genetics

Telomeric Chromatin Structure (HNV02-06)

Two postdoctoral positions are available to investigate chromatin structure at *Drosophila* telomeres. Studies will examine nucleosome modification and positioning using mutations that specifically relieve telomeric silencing, as well as interactions of proteins encoded by genes identified by these mutations. Candidates should have a broad and deep knowledge of molecular biology with an emphasis on protein biochemistry and/or chromatin structure. Knowledge of *Drosophila* genetics will also be advantageous.

Applicants must have a Ph.D. and/or M.D. or equivalent and must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

Contact: James M. Mason, Laboratory of Molecular Genetics, MD D3-06, 919-541-4483, fax: 919-541-7593, e-mail: masonj@niehs.nih.gov

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