



News & Reviews

Announcements

New Students in 1998-1999

- **Leslie Cizmas** has degrees from Princeton and Duke Universities. She works for Drs. Rick Finnell and K.C. Donnelly in Vet. Anatomy & Public Health.
- **Rebecca Finger** is a graduate of LeTourneau University and is selecting a lab in Vet. Anatomy & Public Health.
- **Karin Lum** is a graduate of Smith College in Massachusetts and now works in Dr. Frank R a u s h e l ' s laboratory in the Chemistry Dept.
- **D e r e k Morrow** has a degree from Texas Tech University and works in Dr. Steve Safe's lab in Vet. Physiology & Pharmacology.
- **Michelle Pine** has two degrees from the University of Missouri and now works for Dr. Dave Busbee in Vet. Anatomy & Public Health.
- **Spencer Williams** is a Texas A&M graduate and is now working in Dr. Ken Ramos' laboratory in Vet. Physiology & Pharmacology.
- **Kyungsil Yoon** has a degree from Sungkyun Kwan University in Seoul, Korea and works for Dr. Steve Safe in Vet. Physiology & Pharmacology.

New Students (l to r): Karin Lum, Kyungsil Yoon, Rebecca Finger; Derek Morrow, Leslie Cizmas and Spencer Williams. Not pictured: Michelle Pine.

Meeting Attendance

Over forty graduate students, postdoctoral fellows and faculty from the College of Veterinary Medicine

and Faculty of Toxicology attended the Gulf Coast Society of Toxicology meeting in Galveston, TX, November 6-8, 1998. Thirty-three oral and poster presentations were given and several individuals received awards: **Matthew Stoner** (3rd place, oral presentation), **Kim Lu** and **I-Chen Chen** (3rd place and honorable mention posters, respectively) and **Weili Wang** (2nd place post-doctoral poster). *A list of abstracts begins on page 4.*

Sean Ottinger and **Shawna Lemke** from Dr. Phillips' lab attended the 216th American Chemical Society meeting in Boston, MA, in August 1998. Sean presented "Degradation

and detoxification of BaP following treatment with O₃," and Shawna presented "Sorption of Fumonisin B₁ by nonexchanged and organo-substituted clays."

Kavita Ramamoorthy from Dr. Safe's lab attended Dioxin '98 in Stockholm, Sweden in August 1998 where she presented several papers by the group.

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Henry Huebner from Dr. Phillips' lab traveled to Lima, Peru, in October 1998 to participate in the Grains and Future Markets Conference sponsored by the U.S. Grains Council and the Chicago Board of Trade. He presented a seminar entitled "Mycotoxins in Grains and Foods" and participated in discussions concerning grain quality, mycotoxicosis in livestock, mycotoxin testing methods and control strategies.

Mona Gupta from Dr. Safe's lab attended the 1998 SETAC meeting in Charlotte, NC in November. She presented "The Antiestrogenicity of Polychlorinated Biphenyl Congeners in Human Breast Cancer Cells."

I-Chen Chen, Andrew McDougal, Gulan Sun, Emely Castro-Rivera and **Thu Nguyen** from the Safe lab participated in the M.D. Anderson-sponsored symposium "Molecular Targets for Cancer" and presented three abstracts.

Awards and Honors

The 6th Annual Toxicology Graduate Student Forum was held in August. **Tae-Hyeon Cho, Kim Miller, Chunhua Qin** and **Katie Springman** each won outstanding presentation awards and cash prizes.

Several Toxicology students received awards at the College of Veterinary Medicine Fall Forum. "Best Presentation" went to **Kevin Kerzee, Andrew McDougal** and **Kim Miller**. **Mark Wormke, I-Chen Chen, Matthew Stoner, Chunhua Qin** and **Napoleon Alejandro** received Honorable Mention.

Kim Lu from Ken Ramos' lab received an award and gift certificate from the Society of Toxicology Food Safety Specialty Section in 1998.

Mona Gupta from Steve Safe's lab has been awarded a predoctoral traineeship grant from the U.S. Army Breast Cancer Research Program. The proposed research focuses on characterization of antiestrogenic activities of substituted diindolymethane analogs for development into a new class of aryl-hydrocarbon receptor-based drugs for treatment of breast cancer.

Kevin Kerzee from Ken Ramos' lab is a finalist for a 1999 Society of Toxicology graduate student fellowship.

Shawna Lemke from Tim Phillips' lab received a prestigious 1998 Ethel Ashworth-Tsutsui Memorial Award for Research presented by Women in Science and Engineering at Texas A&M University.

Shawna Lemke is a semi-finalist for the Hertz Award. This is an endowment that provides fellowships to outstanding students in the physical sciences. Shawna is one of approximately 300 students nationally still in consideration for the award and was interviewed by the selection committee.

Student Progress

Completed Preliminary Exams:

<u>Student</u>	<u>Advisor</u>
Napoleon Alejandro	Ken Ramos
Yun-Houng Chen	Ken Ramos
Renqin Duan	Steve Safe
Kevin Kerzee	Ken Ramos
Shawna Lemke	Tim Phillips
Kim Poe Lu	Ken Ramos
Sean Ottinger	Tim Phillips
Bill Reeves	K.C. Donnelly
Katie Springman	Tim Phillips
Gulan Sun	Steve Safe

August 1998 Graduates:

Victor Caravello (advisors J. Rock and K. Ramos) received a Master of Science Degree in Toxicology. He has returned to his career in the United States Air Force.

Johanna Craig (R. Finnell, advisor) completed her Doctor of Philosophy Degree in Toxicology and is now a postdoctoral fellow at the Vollum Institute, Oregon Health Sciences University in Portland, OR.

Barbara diSioudi (J. Wild, advisor) completed her Doctor of Philosophy Degree in Toxicology and is now living and working in Chicago, IL.

Superfund News

Katie Springman attended the 1998 Conference on Hazardous Waste Research in Salt Lake City, UT to present "Adsorption of Groundwater Contaminants Utilizing Matrix Anchored Organoclay."

The Superfund Basic Research Program at Texas A&M sponsored the Remediation & Risk Assessment of Complex Environmental Mixtures Symposium on May 29, 1998. **Dr. Robin Autenrieth**, Civil Engineering, presented the keynote address, "Remediation Strategies for Petroleum Contaminated Wetlands." Approximately 40 environmental engineering, biochemistry and toxicology students and faculty attended. **Sean Ottinger** received the Outstanding Platform Presentation award for his talk entitled

"Degradation of Benzo[a]Pyrene via Electrochemically Generated Ozone and Ozone/UV Light." Outstanding Poster awards were given to **William Reeves** for "Method Development for the Estimation of Bioavailability of Complex Mixtures in Soil" and **Danica Mueller** for "Toxicological Monitoring of an Oil Impacted Estuarine Marshland." The symposium provided an excellent forum for students and faculty to investigate future collaborations.

Dr. K.C. Donnelly has attended several meetings in an outreach capacity. He traveled to Tucson, AZ in August for the United States/Mexico Conference on Hazardous Waste Management and Technologies and presented an abstract entitled

"Reduction in contaminant levels in MGPR soil using Fenton's reagent." In September he traveled to Dallas, TX for the Outreach Quarterly Review Meeting of the National Institutes of Health. At the Annual NIEHS/EPA Superfund Research Meeting in San Francisco, CA in October, he presented "Genotoxic interactions of complex PAH mixtures." In November he attended the Superfund Outreach meeting with the Texas Natural Resource Conservation Commission. He also made a presentation on pollution and procedures of cleaning up polluted sites in Harlingen, TX. In December he attended a Center meeting in Tucson, AZ to discuss establishing a binational center for environmental health.

The Azerbaijan Republic is located on the western side of the Caspian Sea to the north of Iran. Until 1991, Azerbaijan was a constituent republic of the USSR. Azerbaijan was one of the first petroleum-producing regions of the world. It is estimated that 900 million metric tons of oil and gas resources are located below the Caspian Sea. Two major cities in Azerbaijan include Baku and Sumgait. Baku has been a major petroleum producing area since the late 1800's; while Sumgait was "built" by the USSR in the 1950's as a petrochemical producing area. The two cities are unique in that Baku has a significant problem with PAH contamination due to the petroleum industry and a broad range of combustion sources; while the environment surrounding Sumgait has been contaminated with a broad range of chemicals including mercury and other heavy metals, chlorinated dibenzo-p-dioxins and petroleum hydrocarbons. A report issued by the World Health Organization indicates that the incidence of still births and several types of birth defects is elevated 4 to 6 times the national average in Sumgait.

Three members of the Texas A&M faculty traveled to Azerbaijan in January, 1999 for the purposes of establishing research contacts and collecting preliminary environmental samples. **Drs. Gil Rowe, Richard Finnell** and **K.C. Donnelly** began their activities in Azerbaijan with a meeting with the Director of the Family Health Center in Baku. A total of eleven environmental samples were collected from various areas to provide an indication of potential exposures and contaminants in areas surrounding Baku and Sumgait. Analysis of these samples is presently underway. Following meetings with the Director of the Institute of Biology and the Minister of Health, a Proposal of Agreement was signed to provide an "enhanced understanding of how environmental factors impact human reproductive health". The objective of this agreement is to facilitate a retrospective study on the developmental effects of environmental contaminants. The setting in Azerbaijan offers an excellent opportunity to couple environmental monitoring and modeling with an epidemiologic study. Using preliminary data from samples collected during this initial trip, proposals are being prepared to seek support to continue this research. Ultimately, environmental toxicology studies conducted in Azerbaijan may provide information to improve children's health both in Azerbaijan and in the United States. (Travel sponsored by the Texas A&M Superfund Basic Research Program).

Gulf Coast Society of Toxicology '98 Presentations

EQUILIBRIUM ADSORPTION OF LEAD IN WATER BY TRIOCTAHEDRAL SMECTITE CLAY. **C.L. Ake**, K. Mayura, H.J. Huebner, G.R. Bratton and T.D. Phillips.

FUNCTIONAL, MORPHOLOGICAL AND MOLECULAR ALTERATIONS INDUCED BY BENZO[A]PYRENE IN THE ADULT RAT KIDNEY. **N.F. Alejandro** and K.S. Ramos.

DEVELOPMENT OF IN VITRO SCREENING ASSAYS FOR POTENTIALLY NEUROTOXIC POLYCYCLIC AROMATIC HYDROCARBONS IN C6 AND SY5Y. D. Alexander, **Y. Tan**, K.C. Donnelly, and E. Tiffany-Castiglioni.

ESTROGEN AND ARYL HYDROCARBON RESPONSIVENESS OF ECC-1 ENDOMETRIAL CANCER CELLS IN CULTURE. **E. Castro-Rivera** and S. Safe.

IDENTIFICATION OF ESTROGEN-INDUCED GENES DOWN REGULATED BY 2,3,7,8-TETRACHLORODIBENZO-*p*-DIOXIN (TCDD) BY SUPPRESSION SUBTRACTIVE HYBRIDIZATION. **I.-C. Chen** and S. Safe.

NEGATIVE REGULATION OF THE RAT GST-Ra GENE IN VASCULAR SMOOTH MUSCLE CELLS. **Y.-H. Chen**, K.S. Ramos.

THE USE OF OPH ENZYME FOR THE DETOXIFICATION OF METHYL PARATHION. **T. Cho**, J.R. Wild, E. Tiffany-Castiglioni and K.C. Donnelly.

INHIBITION OF E2-INDUCED *C-fos* PROTOONCOGENE EXPRESSION BY 2,3,7,8-TETRACHLORODIBENZO-*p*-DIOXIN (TCDD) IN MCF-7 HUMAN BREAST CANCER CELLS. **R. Duan**, W. Porter, I.-C. Chen and S. Safe.

NEPHROTOXICITY ASSESSMENT OF SELECTED POLYCYCLIC AROMATIC HYDROCARBONS. **M.H. Falahatpisheh** and K.S. Ramos.

ANTIESTROGENIC ACTIVITY OF DIINDOLYLMETHANE ANALOGS IN HUMAN BREAST CANCER CELLS: STRUCTURE ACTIVITY RELATIONSHIPS. **M.S. Gupta**, K. Yoon, K. Ramamoorthy, A. McDougal and S. Safe.

PROTEIN INTERACTIONS WITH THE ELECTROPHILE RESPONSE ELEMENT INDUCED BY BENZO[A]PYRENE AND RELATED OXIDANTS. **M.T. Holderman**, K.P. Miller, and K.S. Ramos.

EQUILIBRIUM ADSORPTION OF ERGOTAMINE BY VARIOUS PHYLLOSILICATE CLAYS. **H. Huebner**, S. Lenke, S. Ottinger, P. Grant, and T.D. Phillips.

ROLE OF THE ARYL HYDROCARBON RECEPTOR AND P450 METABOLISM IN THE REDOX REGULATION OF *c-Ha-ras* BY BENZO[A]PYRENE IN VASCULAR SMOOTH MUSCLE CELLS. **J.K. Kerzee** and K.S. Ramos.

ESTROGEN-MEDIATED TRANSACTIVATION VIA ESTROGEN RECEPTOR (ER)-SP1 INTERACTIONS: COMPARISON OF WILD-TYPE AND MUTANT MOUSE ER. **K. Kim**, M.G. Parker and S. Safe.

NUCLEAR RECEPTOR CO-REPRESSOR INTERACTIONS WITH Ah RECEPTOR SIGNALING. **J.-E. Lee**, T.A. Nguyen and S. Safe.

FUMONISIN B1 ADSORPTION ONTO NATURAL AND ORGANO-SUBSTITUTED PHYLLOSILICATE CLAYS. **S.L. Lenke**, S.E. Ottinger and T.D. Phillips.

DIFFERENTIAL ABILITY OF ASTROGLIA AND NEURONAL CELLS TO ACCUMULATE LEAD: DEPENDENCE ON CELL TYPE AND ON DEGREE OF DIFFERENTIATION. **L.S. Lindahl**, L. Bird, M.E. Legare, G. Mikeska, G.R. Bratton and E. Tiffany-Castiglioni.

IDENTIFICATION OF GENES DIFFERENTIALLY EXPRESSED IN BENZO[A]PYRENE TREATED VASCULAR SMOOTH MUSCLE

CELLS: IMPLICATIONS IN ATHEROGENESIS. **K.P. Lu** and **K.S. Ramos**.

HALODIINDOLYL - METHANES: NATURAL PRODUCT DERIVATIVES WITH ANTIESTROGENIC AND ANTITUMORIGENIC ACTIVITIES. **A.J. McDougal**, **M. Gupta**, **K. Ramamoorthy** and **S.H. Safe**.

FURTHER CHARACTERIZATION OF EpRE BINDING PROTEINS AND THEIR FUNCTION IN VASCULAR SMOOTH MUSCLE CELLS. **K.P. Miller**, **M.T. Holderman** and **K.S. Ramos**.

ESTROGEN RECEPTOR (ER) SP1 PROTEIN INTERACTIONS WITH ER COACTIVATORS. **T.A. Nguyen** and **S. Safe**.

DEGRADATION AND DETOXIFICATION OF BENZO [A]PYRENE UTILIZING ELECTROCHEMICALLY GENERATED OZONE. **S.E. Ottinger**, **K. Mayura**, **S.L. Lenke**, **N. Wang**, **K.S. McKenzie**, **L.F. Kubena** and **T.D. Phillips**.

INDUCTION OF GLUCOSE REGULATED PROTEIN (GRP78) BY LEAD (Pb) EXPOSURE IN C6 RAT GLIOMA CELLS. **Y. Qian**, **Y. Zheng** and **E. Tiffany-Castiglioni**.

MOLECULAR MECHANISM OF ESTROGEN-INDUCED IGFBP-4 GENE EXPRESSION. **C. Qin** and **S. Safe**.

A h R - M E D I A T E D ANTIESTROGENICITY AND ANTITUMORIGENICITY OF DIINDOLYLMETHANE AND ANALOGS. **K. Ramamoorthy**, **A. McDougal**, **M. Gupta** and **S. Safe**.

MECHANISM OF ESTROGEN-MEDIATED INDUCTION OF DNA POLYMERASE α GENE EXPRESSION IN MCF-7 HUMAN BREAST CANCER CELLS. **I. Samudio** and **S. Safe**.

MOLECULAR ANALYSIS OF ESTROGEN RECEPTOR α (ER α) AND ER β -SP1-MEDIATED TRANSACTIVATION: ROLE OF ACTIVATION FUNCTION 1. **B. Saville**, **M. Wormke** and **S. Safe**.

VASCULAR ENDOTHELIAL GROWTH FACTOR (VEGF) GENE EXPRESSION IS DOWNREGULATED BY 17 β -ESTRADIOL (E2) IN HEC1-A HUMAN ENDOMETRIAL CARCINOMA CELL LINE. **M. Stoner** and **S. Safe**.

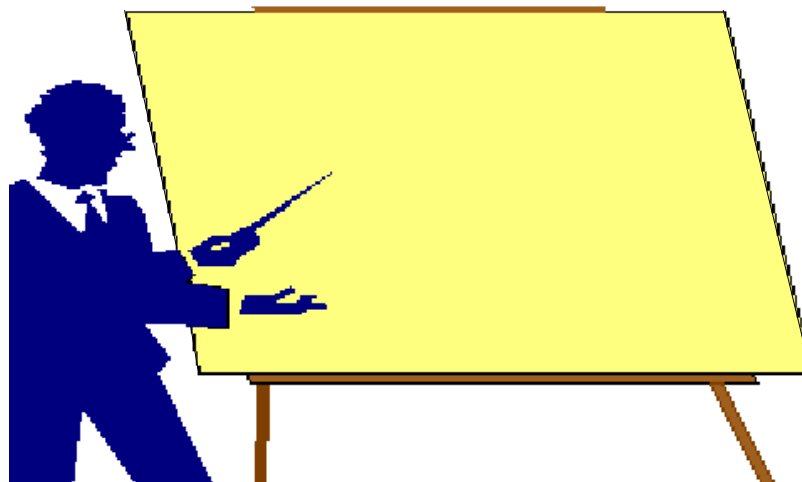
INHIBITION OF ESTROGEN-INDUCED RETINOIC ACID RECEPTOR α 1 GENE EXPRESSION IN MCF-7 CELLS BY AH RECEPTOR AGONISTS: MECHANISM OF AH RECEPTOR-ESTROGEN RECEPTOR CROSSTALK. **G. Sun**, **Y. Lu**, and **S. Safe**.

CROSSTALK BETWEEN THE AH RECEPTOR AND ESTROGEN RECEPTOR SIGNALING PATHWAYS IN REGULATION OF TRANSFORMING GROWTH FACTOR α . **C. Vyhldal** and **S. Safe**.

MECHANISM OF ESTROGEN-INDUCED E2F1 GENE EXPRESSION: ROLE OF ESTROGEN RECEPTOR/SP1 INTERACTIONS WITH NF-YA. **W. Wang**, and **S. Safe**.

MECHANISM OF INHIBITION OF ESTROGEN-INDUCED GENE EXPRESSION BY TCDD. **M. Wormke** and **S. Safe**.

A GC-RICH SITE IN THE THYMIDYLATE SYNTHASE GENE PROMOTER IS REQUIRED FOR ESTROGEN-RESPONSIVENESS IN MCF-7 HUMAN BREAST CANCER CELLS. **W. Xie**, **R. Duan** and **S. Safe**.



Employment Opportunities

*Environmental Toxicologist
Asst. / Assoc. Professor,
Tenure Track*

**Mississippi State University,
College of Vet. Medicine**

Mechanistically-based vertebrate toxicology research in with 80% commitment to research. Must have Ph.D. in toxicology or related discipline. Postdoctoral experience preferred. Commensurate on qualifications and experience. Send curriculum vitae, transcripts, statement of career goals, and names and addresses of three references to: Dr. A. Jerald Ainsworth, Director, College of Veterinary Medicine, Box 9825, Mississippi State, MS 39762-9825.

Postdoctoral Research Position
Wayne State University, Institute of Chemical Toxicology

Researcher would be committed to molecular toxicology to gain experience with novel studies in primary cultured rat hepatocytes, quantitative RT-PCR analysis of gene expression, cloning techniques, transient transfection analysis of sulfotransferase gene regulation, and transgenic animal approaches aimed at understanding complex regulatory signals critical to sulfotransferase gene expression. Send summary of research experience, career goals, signed and dated copy of curriculum vitae, and three letters of reference to: Melissa

Runge-Morris, M.D., Institute of Chemical Toxicology, Wayne State University, 2727 Second Ave., Rm. 4000, Detroit, MI 48201. Phone (313) 577-0100; Fax (313) 577-0082.

Postdoctoral Position

Ecology & Environment, Inc. Seeking experienced Ph.D. in life sciences field with training/experience in toxicology, pharmacology, molecular biology or biophysics. Requires sound scientific skills and ability to apply innovative ideas. Send resume, salary expectations and writing sample to: Ms. Janet Steinbruckner, Director of Human Resources, Ecology and Environment, Inc., 368 Pleasant View Drive, Lancaster, NY, 14086; E-Mail: jas02@ene.com; Fax: (716) 684-0844.

Postdoctoral Fellowship

University of Oklahoma Health Sciences Center has a fellowship grant to investigate transcriptional regulation of murine lipoprotein lipase gene. Studies will focus on interactions between peroxisome proliferator activated receptor and steroid receptor co-activators and co-repressors. PhDs in Biochemistry, Cell Biology, Molecular Biology, Pathology, or related field are encouraged to submit CV and the names of three references to: Jeffrey M. Gimble MD PhD, PO Box 26901, Oklahoma City,

OK 73190; Tel: (405) 271-2743; Fax: (405) 271-1194; Email: Jeffrey-Gimble@ouhsc.edu

Assistant Professor
University of Rhode Island, Dept of Biomedical Science. Seeking toxicologist qualified to teach undergraduate level pharmacology or medicinal chemistry. Starts in July 1999. Send CV, names of three references and statement of research plan to: Dr. Z.A. Shaikh, Search Committee Chair, P.O. Box G, University of Rhode Island, Kingston, RI 02881.

Tenure-Track Faculty Position
University of Tennessee Pathology Dept. Full-time tenure-track faculty position, 80% research-20% graduate teaching emphasis. Salary and appointment level will be commensurate with experience, training, and achievements. Earliest starting date is July 1, 1999. Candidates should send CV, statements of career goals, reprints of recent publications, research summary, funding history, and the names of 3-5 referees to: Dr. Philip N. Bochsler, Pathology Search Committee Chair, Dept of Pathology, College of Veterinary Medicine, University of Tennessee, Knoxville, TN, 37901-1071, (423) 974-8234.

*Tenure-Track Asst/Assoc
Professor Positions*

University of Arizona, College of Pharmacy invites applications for tenure-track

positions at the assistant/associate professor levels for the 1999-2000 academic year. Doctoral degree and post-doctoral experience required. Areas of preferred interest include molecular toxicology related to drug metabolism or environmental toxicology; synthetic medicinal, combinatorial or natural products chemistry or molecular pharmacology. Send application letter, CV, copies of two publications, statement of research interests, and names/addresses of 3-5 references to: Search Committee, Dept. of Pharmacology and Toxicology, College of Pharmacy/University of Arizona, PO Box 210207, Tucson, AZ 85721-0207.

Three Asst/Assoc Professor Tenure-Track Positions

University of Texas Medical Branch at Galveston, Depts. of Pharmacology and Toxicology. Applicants must have doctoral degree, at least two years postdoctoral training, and experience in grant writing and obtaining research funding. For one of the positions, a strong background in chemistry is highly desirable. The positions offer competitive salaries and start-up packages. Review of applications will continue until all positions are filled. Submit CV and list of publications, statement of research accomplishments and future plans (≤ 3 pages), names and addresses of three references to: Dr. James Halpert, Professor and Chairman, Dept

of Pharmacology and Toxicology, 301 University Boulevard, UTMB, Galveston, TX 77555-1031.

Asst./ Assoc. Professor
UCLA Medical School, Depts. of Pathology and Laboratory Medicine. Tenure-track position. Offers comprehensive set-up package of state-based salary and operational resources. Qualified applicants possessing the M.D., Ph.D., or equivalent degree should send CV, statement of research interests, and the addresses, telephone numbers and email addresses of three references to: Oliver Hankinson, Ph.D. Search Committee, Dept. of Pathology and Laboratory Medicine, University of California, 10833 Le Conte Avenue, Los Angeles, CA 90095-1732.

Junior Scientist and Associates
Pharmacia & Upjohn Recruiting a junior scientist with post-doc experience to help in design and implementation of mechanistic and predictive tox studies utilizing molecular and cell based approaches. Also recruiting several MS level positions to help in the above outlined efforts. Contact Greg Cosma, Pharmacia and Upjohn, 7000 Portage Road, Kalamazoo, MI 49001-0199; Tel: (616) 833-9515; Fax: (616) 833-9722.

Asst/Assoc Professor
Colorado State University Dept of Environmental Health is currently seeking an assistant

or associate professor with excellent communication skills, both written and verbal for 9-month tenure-track position. Ph.D. or equivalent required. Competitive salary and benefits commensurate with experience. Contact Toxicology Search Committee, Department of Environmental Health, Colorado State University, Ft. Collins, Co 80523-1676; Tel: (970) 491-5003; Fax: (970) 491-2490.

Health Risk Assessment
State of New Hampshire Department of Health and Human Services has a health risk assessment opening. This position is responsible for a wide range of risk assessments related activities within DHHS. Seeking applicants with a graduate degree in toxicology, environmental health, or a related field. Salary range \$30,556-\$36,153/year depending on qualifications and experience. Need four years experience as environmentalist or in field of environmental health, environmental toxicology, or clinical toxicology. If interested, contact Dennis A. Pinski, MPH, Supervisor, Risk Assessment Program, Bureau of Health Risk Assessment; Tel: (603) 271-4664.

Tenure-Track, Associate or Assistant Professor
University of Iowa College of Medicine is seeking tenure track Environmental Health Scientist. Doctoral degree in environmental health, toxicol-

Conferences

April 1999

April 12-13

South Central SETAC Regional Meeting: Regional Perspectives on Ecological Risk Assessments (Abstracts due March 8)

Houston, TX

Contact: South-Central Regional SETAC, c/o ARCADIS, Geraghty & Miller, 11000 Richmond Ave., Ste. 350, Houston, TX 77042; Tel: (713) 266-6867; Fax: (713) 266-8652; Email: cmurray@gmgw.com

April 12-15

Calculating and Understanding Risk from Chemicals Released to the Environment

St. Anthony Hotel, San Antonio, TX

Contact: Tel: (312) 988-7667; Fax: (312) 649-9383; Web Site: www.racteam.com

April 17-21

Experimental Biology 'Biomedical Research Meeting and Scientific Exposition'

Washington, DC

Contact: Tel: (301) 530-7010; Fax: (301) 530-7014; Web: <http://www.faseb.org/eb99>
Email: eb@faseb.org

April 19-22

In Situ and On-Site Bioremediation

San Diego, CA

Call for Abstracts: August 31

Contact: For questions about the scope of the technical program: Symposium Chairs, Dr. Andrea Leeson (leeson@battelle.org) or Dr. Bruce Alleman (alleman@battelle.org); For questions about abstract admission and review: Carol Young; Tel: (614) 424-7064; Fax: (614) 424-3667; E-mail: biosym@battelle.org

April 19-22

Environmental Toxicology & Risk Assessment
Seattle, WA

Contact: Symposium Chairman-Fred T. Price, Booz-Allen Hamilton, Inc., 8283 Greensboro

Drive, McLean, VA 22101; Tel: (703) 902-3152; Fax: (703) 902-3356;

Email: price_fred@bah.com

April 28-30

Human Genetics and Human Cancer
New York, New York

Contact: Memorial Sloan-Kettering Cancer Center Office of Continuing Medical Education; Tel: (212) 639-6754; Fax: (212) 717-3140

May 1999

May 28-June 2

International Conference on Diet and Prevention of Cancer

Tampere, Finland

Contact: Congress Management Systems P.O. Box 151, FIN-00141 Helsinki, Finland; Tel: +358 9 175 355; Fax: +358 9 170 122

June 1999

June 26-July 1

Peptides for the New Millenium

Minneapolis, Minnesota

Contact: Web Site: www.chem.umn.edu/16aps

June 27-July 1

Drug Information Association

Baltimore, MD

Contact: USA DIA Office at: Fax (215) 641-1229;

Email: dia@diahome.org

October 1999

October 24-28

9th North American International Symposium of XenoBiotics

Nashville, TN

Contact: ISSX/ACS-DCT Meeting, PO Box 3, Cabin John, MD 20818; Fax: (301) 983-5357; Email: nholahan@exec.issx.org

January 2000

January 9-12

Cancer Research at the Millenium

Houston, TX

Contact: Tel: (713) 792-2222; Fax (713)794-1724; Internet: <http://www.mdacc.tmc.edu/~meetings>

Employment Opportunities (cont.)

ogy, environmental sciences, or related field required. Expertise in water quality issues affecting rural populations and demonstrated ability to work in interdisciplinary environment are highly desirable. Submit CV, statement of research interest, and names of three references at the following address: Dr. Thomas Cook, Chair, Search Committee for Faculty Position in Environmental Health, The University of Iowa, 100 Oakdale Campus, 124 IREH, Iowa City, IA 52242-5000; Tel: (319) 335-4533; Fax: (319) 335-4225; Email: thomas-cook@uiowa.edu.

Postdoctoral Fellow

University of Vermont College of Medicine Seeking postdoctoral fellow with Ph.D. in Toxicology, Cell & Molecular Biology, Biochemistry, or related field. Position begins between April and June, 1999. Send graduate school transcript, CV (including letter with detailed description of research training/experience and over-all career goals) along with names, addresses, and phone numbers of 3 references to: Dr. Beth A. Hart, Professor of Biochemistry, Room C-440 Given Medical Building, University of Vermont College of Medicine, Burlington, VT 05405-0068; Fax: (802) 862-8229; Email: bhart@zoo.uvm.edu

Postdoctoral Fellowship

National Institute for Occupational Safety and Health. Fellowship to work on Ah receptor and mechanism of action of halogenated aromatic hydrocarbons. Multidisciplinary research in pharmacology/toxicology using molecular and cellular biology, biochemical and genetic approaches at whole organism, cellular and in vitro subcellular levels. Send CV and list of three references to: Dr. Alan Poland, National Institute for Occupational Safety and Health (NIOSH), Health Effects Laboratory Division (HELD), Mailstop L-4020, 1095 Willowdale Road, Morgantown, WV 26505.

Professor and Head

University of Georgia, Environmental Health Science. Well established MS program, and doctoral degrees are offered through interdisciplinary programs such as Toxicology. Opportunity to develop relevant teaching, research and outreach programs. Dept. currently has 5 faculty, 4 support staff, 20 graduate and 150 undergraduate students. Teaching and research programs include environmental and human toxicology, industrial hygiene, public health and environmental protection. Requires PhD in environmental health science or related discipline and demonstrated teaching and research record. Administrative experience is desirable and strong leadership potential is required. Expected start date is July 1, 1999 and applications will be accepted through April 30, 1999. Send application letter, current CV, statement of administrative and leadership philosophy and four letters of reference to: Dr. Ray Noblet, Search Committee Chair, Dept. of Entomology, The University of Georgia, Athens, GA 30602-2603; Tel: (706) 542-2816; Fax: (706) 542-2279; email: noblet@bugs.ent.uga.edu

Postdoctoral Fellows

NIEHS Center in Developmental and Molecular Toxicology, University of Wisconsin-Madison. Investigating the role of cytochrome P4501B1 in bone marrow toxicity of DMBA and other PAHs. PhD in toxicology, immunology or cell biology and good molecular biology skills required. Send CV, personal statement of career goals and interests, and names, addresses and email addresses of three professional references to Charles J. Czaprynski, Ph.D., Dept. of Pathobiological Sciences, University of Wisconsin-Madison, 2015 Linden Drive West, Madison, WI 53706-1102; Tel and Fax: (608) 262-8102; email: czuprync@svm.vetmed.wisc.edu

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Texas A&M University is strongly committed to the principle of diversity in all areas.
Admission and employment are open to all qualified individuals.

News & Reviews
Faculty of Toxicology
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College Station, TX 77843-4461