



News & Reviews

Announcements

New Students for Fall 1999

Kelcey Becker holds degrees from the College of William and Mary and from Virginia Tech. She is a Regents' Fellow and is working in Dr. Steve Safe's laboratory.

Chien-Cheng Chen is a native of Taiwan and holds two degrees from National Taiwan University. He is currently rotating in different toxicology laboratories.

Wan-Ru Lee is also a native of Taiwan and holds two degrees from Taiwan National University. She is a Regents' Fellow and is completing rotations in toxicology laboratories.

Melinda (Mindy) Wiles has a Bachelor's degree from the College of

Wooster in Ohio. She is completing rotations in toxicology laboratories.

Meeting Attendance

Thirty-nine graduate students, postdoctoral fellows and faculty from the Interdisciplinary Faculty of Toxicology, College of Veterinary Medicine and the College of Medicine attended the Gulf Coast Region Society of Toxicology meeting at M.D. Anderson Cancer Center in Houston, November 19-20. They presented 31 abstracts (see pages 4-5), and some received presentation awards. **Matthew Stoner** (Safe) received 3rd place for his poster while **Kevin Kerzee** (Ramos) received Honorable Mention for his platform presentation. **Dr. Yongchang Qian** (Castiglioni) received the Postdoctoral Award.

Shannon Garcia and **Bill Reeves** (both from the Donnelly lab) attended the Society for Environmental Toxicology and Analytic Chemistry annual meeting in Philadelphia, PA, November 13-19, 1999. Shannon's presentation was "*Determination of Genotoxicity of WPW Contaminated Soil*," while Bill presented "*Evaluation of Toxic Equivalency Factors for Predicting the Behavior of Complex Mixtures*."



Season's Greetings

In this issue...

Announcements	1-2
Superfund News	3
GCSOT '99 Presentations	4-5
Employment Opportunities	6-7

Andrew McDougal (Safe) attended the 15th annual Lost Pines Molecular Biology Conference at U.T. M.D. Anderson Cancer Center-Science Park in Smithville, TX, October 8-10, 1999. He presented the poster "*Halogenated Diindolylmethane Compounds as Indirect Estrogen Receptor Antagonists Acting Through the Aryl Hydrocarbon Receptor.*"

Awards and Honors

Carrie Vyhlidal from Steve Safe's lab received the prestigious 1999 Ethel Ashworth-Tsutsui Memorial Award for Research presented by Women in Science and Engineering at Texas A&M University.

Shawna Lemke (Phillips) has been selected to compete in the American Chemical Society's Agricultural and Food Chemistry Division Research Competition in San Francisco, CA, March 26-30, 2000. She received a travel award to attend, and will give a 30 minute oral presentation.

Lora Lindahl from Evelyn Tiffany-Castiglioni's lab was awarded third place on her poster abstract entitled, "*Differential Ability of Astroglia and Neuronal Cells to Accumulate Lead: Dependence on Cell Type and on Degree of Differentiation*", at the Seventeenth International Neurotoxicology Conference ("Children's Health and the Environment: Mechanisms and Consequences of Developmental Neurotoxicology") held in Little Rock, Arkansas, October 17-20, 1999.



Andrew McDougal (Safe) received a Graduate Student Research and Presentation Grant funded by the Association of Former Students and the Vice President for Research and Associate Provost for Graduate Studies.

STUDENT PROGRESS

Completed Preliminary Exams

<u>Student</u>	<u>Advisor</u>
Emely Castro-Rivera	Steve Safe
Tae-Hyeon Cho	E. Castiglioni/ K.C. Donnelly
Thu Nguyen	Steve Safe
Carol Swartz	John Bickham/ K.C. Donnelly

Graduates

August 1999

Renqin Duan (S. Safe, advisor) has completed his Doctor of Philosophy Degree in Toxicology and is currently doing postdoctoral research with Dr. Safe.

Kavita Ramamoorthy (S. Safe, advisor) received her Doctor of Philosophy Degree in Toxicology and is now attending Law

School at the University of Western Ontario, London, Ontario.

December 1999

I-Chen Chen (S. Safe, advisor) has completed all the requirements for her Doctor of Philosophy Degree in Toxicology and will graduate this month. She plans to conduct postdoctoral research in Dr. Safe's laboratory.

Superfund News

The major theme of the Superfund Basic Research Program (SBRP) at Texas A&M is to conduct fundamental research to reduce uncertainties associated with risk assessment of complex mixtures, and to improve scientific and public confidence in the overall risk assessment process. Projects 1-4 will focus on Fundamental Toxicological studies to investigate chemical-sensitive genotypes and molecular mechanisms of endocrine disruption, genotoxicity and non-genotoxic endpoints (i.e., nephrotoxicity and neurotoxicity) associated with many important classes of chemicals routinely identified in contaminated media at Superfund sites. This research will be carried out by **Steve Safe, Ken Ramos, Evelyn Castiglioni, K.C. Donnelly** and **Rick Finnell**. Project 5 (**Tim Phillips** and **Robin Autenrieth**) will develop chemical intervention technologies to remediate risks associated with different classes of Superfund contaminants. Exposure Assessment and

Modeling (Project 6) studies will focus on major contaminants in three study areas, model the transport and uptake of toxic chemicals to wildlife or humans, and investigate bioavailability of complex mixtures (**Robin Autenrieth, Jim Bonner** and **K.C. Donnelly**). Finally, Project 7 (Integration of Risk Assessment Technologies) will integrate ongoing results from all studies and investigate chemical-induced human health problems in regions with different levels of contaminant exposure (**Lowell Sever** and several other Co-PIs). This research will be supported by facilities cores (**Bob Burghardt, Jim Calvin** and **K.C. Donnelly**), administrative and training cores, and an outreach core that will focus on communication and education of the public and the stakeholder community. Our grant application received an excellent priority score and we will know in January if our proposal is funded.



Gulf Coast Society of Toxicology '99 Presentations

DEVELOPMENT OF MULTIFUNCTIONAL CLAY-BASED COMPOSITES FOR THE ADSORPTION OF LEAD AND OTHER PRIORITY POLLUTANTS FROM CONTAMINATED WATER. **C.L. Ake**, K. Mayura, H. Huebner, and T.D. Phillips.

MODULATION OF GLOMERULAR CELL FUNCTIONS BY BENZO(A)PYRENE: IMPLICATIONS FOR MESENCHYMAL/EPITHELIAL INTERACTIONS *IN VITRO*. **N.F. Alejandro** and K.S. Ramos.

COMPARATIVE MECHANISMS OF ACTIVATION OF ESTROGEN RECEPTOR α BY ESTROGEN AND 4'-HYDROXYTAMOXIFEN. **E. Castro-Rivera** and S. Safe.

A CCAAT/ENHANCER BINDING PROTEIN (C/EBP) SITE ALONG WITH CREB BINDING PROTEIN (CBP) PARTICIPATE IN NEGATIVE REGULATION OF RAT *GST-YA* IN VASCULAR SMOOTH MUSCLE CELLS BY BENZO(A)PYRENE. **Y-H Chen** and K.S. Ramos.

TOXICITIES OF ORGANOPHOSPHORUS COMPOUNDS IN A HUMAN NEUROBLASTOMA (SH-SY5Y) CELL LINE. **T. Cho** and E. Tiffany-Castiglioni.

ESTROGEN-MEDIATED ACTIVATION OF *c-Fos* PROTOONCOGENE THROUGH PROTEIN BINDING THE SERUM RESPONSE ELEMENT. **R. Duan** and S. Safe.

ANTAGONISTIC NEPHROTOXIC INTERACTIONS IN BINARY AND TERNARY MIXTURES OF POLYCYCLIC AROMATIC HYDROCARBONS. **M.H. Falahatpisheh**, R.P. Metz, K.C. Donnelly and K.S. Ramos.

DIFFERENTIAL GENE EXPRESSION IN RABBIT RENAL CORTICAL SLICES EXPOSED TO SODIUM ARSENITE. X. Henriquez, C.L. Wilson, X-H Zheng, A.J. Gandolfi, and **A.L. Parrish**.

FURTHER CHARACTERIZATION OF OXIDANT-ACTIVATED PROTEIN BINDING TO THE ANTIOXIDANT/ELECTROPHILE RESPONSE ELEMENT IN VASCULAR SMOOTH MUSCLE CELLS. **M.T. Holderman** and K.S. Ramos.

CONSTITUTIVE AND INDUCIBLE EXPRESSION OF *CYP1B1* IN VASCULAR SMOOTH MUSCLE CELLS: DIRECT INVOLVEMENT OF THE ARYL HYDROCARBON RECEPTOR IN BENZO(A)PYRENE-MEDIATED DEREGULATION OF *C-HA-RAS*. **J.K. Kerzee** and K.S. Ramos.

ENHANCED DNA-INDEPENDENT TRANSCRIPTIONAL ACTIVITY OF ZINC FINGER DOMAIN - DELETED MOUSE ESTROGEN RECEPTOR THROUGH THE ESTROGEN RECEPTOR/Sp1 PROTEIN INTERACTION. **K.H. Kim** and S. Safe.

3',4'-DIMETHOXYFLAVONE AS AN ARYL HYDROCARBON RECEPTOR ANTAGONIST IN BREAST CANCER CELLS. **J-E Lee**, M. Sethi-Gupta and S. Safe.

ACTIVATION OF *L1Md* RETRO-TRANSPOSON IN MOUSE VASCULAR SMOOTH MUSCLE CELLS BY BENZO(A)PYRENE METABOLITES AND HYDROGEN PEROXIDE: IMPLICATIONS IN CHEMICAL ATHEROGENESIS. **K.P. Lu** and K.S. Ramos.

ARYL HYDROCARBON RECEPTOR-MEDIATED INHIBITION OF MAMMARY TUMOR GROWTH IN AN ATHYMIC NUDE MOUSE MODEL BEARING MCF-7 CELL XENOGRAFTS. **A.J. McDougal** and S. Safe.

DIFFERENTIAL ACTIVATION OF *C-HA-RAS* ARE/EpRE BINDING PROTEINS BY BENZO[A]PYRENE AND THAPSIGARGIN IN VASCULAR SMOOTH MUSCLE CELLS. **K.P. Miller** and K.S. Ramos.

GCSOT '99 (cont.)

METHYLENE-SUBSTITUTED 1,1'-DIMETHYLDIINDOLYLMETHANE ANALOGS AS INHIBITORS OF CARCINOGEN-INDUCED MAMMARY TUMOR GROWTH IN RODENTS. **M.D. Morrow**, A.J. McDougal and S. Safe.

CELL AND PROMOTER-SPECIFIC INTERACTIONS OF STEROID RECEPTOR COACTIVATORS WITH ESTROGEN RECEPTOR α (ER α) AND ER α /Sp1. **T.A. Nguyen** and S. Safe.

CELL CONTEXT-DEPENDENT ESTROGEN RECEPTOR α (ER α) AGONIST AND ER β ANTAGONIST ACTIVITIES OF METHOXYCHLOR METABOLITES. **L. Pallaroni**, B. Saville, J-E Lee, M. Stoner, K. Gaido, S.C. Maness and S. Safe.

HIGH AFFINITY SORPTION OF AFLATOXIN B₁ BY HECTORITE CLAY. **K. Pimpukdee**, C. Ake, S.L. Lemke, K. Mayura, and T.D. Phillips.

EXPRESSION OF 78 kD GLUCOSE-REGULATED PROTEIN (GRP78) IN Pb AND Hg-EXPOSED RAT C6 AND SSC-1 CELLS. **Y. Qian**, M.H. Falahatpisheh, K. Ramos and E. Tiffany-Castiglioni.

LEAD (Pb) TARGETS A 78 kD GLUCOSE-REGULATED PROTEIN (GRP78) IN C5 RAT GLIOMA CELLS. **Y. Qian**, E.D. Harris, Y. Zheng and E. Tiffany-Castiglioni.

TRANSCRIPTIONAL ACTIVATION OF ORNITHINE DECARBOXYLASE GENE EXPRESSION BY ESTROGENS IN MCF-7 BREAST CANCER CELLS. **C. Qin** and S. Safe.

TRANSCRIPTIONAL ACTIVATION OF DNA POLYMERASE α BY ESTROGEN IN MCF-7 CELLS REQUIRES INTERACTION OF ESTROGEN RECEPTOR α /Sp1 WITH A GC-RICH ELEMENT. **I. Samudio**, C. Vyhldal and S. Safe.

LIGAND-ACTIVATED ESTROGEN RECEPTOR α (ER α)/Sp1 ACTION IN BREAST CANCER CELLS IS DEPENDENT ON THE ACTIVATION FUNCTION 1 DOMAIN OF ER α . **B. Saville**, M. Wormke and S. Safe

IMPACT OF CHEMICALLY-INDUCED OXIDATIVE STRESS ON CADHERIN/CATENIN COMPLEXES. V.J. Schmid, M. Schmelz and **A.R. Parrish**.

DOWNREGULATION OF VASCULAR ENDOTHELIAL GROWTH FACTOR EXPRESSION IN HEC1A ENDOMETRIAL CANCER CELLS THROUGH INTERACTIONS OF ESTROGEN RECEPTOR α AND Sp3 PROTEINS. **M. Stoner**, F. Wang, I. Samudio, C. Vyhldal, M. Kladde, T. Nguyen and S. Safe.

REGULATION OF TRANSFERRIN GENE EXPRESSION BY 17 β -ESTRADIOL IN HUMAN BREAST CANCER CELLS. **C. Vyhldal**, C. Mach and S. Safe.

TRANSCRIPTIONAL ACTIVATION OF CATHEPSIN D GENE EXPRESSION BY GROWTH FACTORS. **F. Wang**, R. Duan and S. Safe.

OXIDATIVE INJURY MODULATES EXTRACELLULAR MATRIX-REGULATED NF-kB BINDING ACTIVITY IN VASCULAR SMOOTH MUSCLE CELLS. **E.S. Williams**, E. Wilson, and K.S. Ramos.

ESTROGEN AND ARYL HYDROCARBON RECEPTOR EXPRESSION AND CROSSTALK IN HUMAN ISHIKAWA ENDOMETRIAL CANCER CELLS. **M. Wormke**, E. Castro-Rivera, I. Chen and S. Safe.

INSULIN-LIKE GROWTH FACTOR-1 INDUCES ADENOSINE DEAMINASE IN MCF-7 HUMAN BREAST CANCER CELLS THROUGH ESTROGEN RECEPTOR-Sp1 INTERACTIONS. **W. Xie**, R. Duan and S. Safe.

Employment Opportunities

Postdoctoral Positions

Virginia Tech, Dept. of Entomology. One year renewable Research Associate appointment. Integrated study of synergistic actions of insecticides on biomarkers of cholinergic/dopaminergic dysfunction in Parkinson's disease. Requires Ph.D. in entomology, biochemistry, toxicology, or related discipline. Send CV, publication list, and names of three references to: Jeffrey R. Bloomquist, Associate Professor, Dept. of Entomology, Virginia Polytechnic Institute and State University, Blacksburg, VA 24061; Tel: 540-231-6129; Fax: 540-231-9131; Email: jbquist@vt.edu.

Proctor & Gamble. Openings for toxicologists in US and Japan. Most positions involve product safety. Complete application form at <http://www.pg.com/careers>.

Diedre Moire Corporation. Seeking Ph.D. scientist for identification/characterization of ligand or receptor binding domains on proteins of interest. Strong molecular biology background with experience in E. coli genetics/physiology and protein purification needed. Contact: Billy Gathers, Diedre Moire Corporation; Tel: 609-584-8733 Ext. 235; Email: 915613@candseek.com.

Columbia University. Position to study interactive aspects of vitamin A and growth factor signaling. Lab experience in biochemistry, cell biology or molecular biology required. Submit letter outlining research interests, CV, and 2-3 letters of recommendation to Dr. David A. Talmage, Institute of Human Nutrition, College of Physicians and Surgeons of Columbia University, 701 West 168th Street, 5-503, New York, NY 10023; Email: dat1@columbia.edu.

Temple University Medical School, Dept. of Physiology and Pharmacology. Position to study P2 receptor pharmacology and physiology. Contact Satya P. Kunapuli, Ph.D., Department of Physiology and Pharmacology, Temple University Medical School, 3420 North Broad Street, Philadelphia, PA 19140; Tel: 215-707-4615; Fax: 215-707-4003; Email: kunapuli@nimbus.temple.edu.

University of California, Dept. of Environmental Toxicology. Two-three year position available to study signal transduction, mode of action studies, and environmental endocrine disruptors. Send application letter and at least two references to Dr. Fumio Matsumura, Professor, Dept. of Environmental Toxicology, One Shields Avenue, University of California, Davis, CA 95616; Tel: 530-752-4251; Fax: 530-752-3394; Email: fmatsumura@ucdavis.edu.

National Institute of Environmental Health Sciences, Div. of Intramural Research, Research Triangle Park, NC. Position available for molecular biologist interested in reproduction and toxicology. Research construction and use of library of unique cDNAs/ESTs derived from specific testicular cell types, and cDNA's isolated after exposure to prototypic testicular toxicants. Recent Ph.D. in related field, molecular biology experience, and strong interest in

toxicology. Contact: Dr. Bob Chapin; Tel: 919-541-3474; Email: chapin@niehs.nih.gov.

Central Texas Veteran's Health Care Center. Two year position focused on mechanisms of fibroblast growth factor signaling in endothelial cells as related to coronary angiogenesis. Analysis of signal transduction, gene expression, fluorescence microscopy, and/or cell culture experience preferred. Requires Ph.D. in biological sciences, M.D. or D.V.M. Send resume to Dr. James R. Hawker, Jr., O.E. Teague Veteran's Center and Texas A&M University System Health Science Ctr, 1901 Veteran's Memorial Dr., Bldg. 4, Temple, TX 76504; Email: jhawker@tamu.edu.

Chemical Industry Institute of Toxicology. Seeking postdoctoral fellows for multidisciplinary toxicogenomics research effort. Will assess gene expression patterns in normal, preneoplastic and tumors from mice and rats treated with genotoxic and nongenotoxic chemicals. Requires life, physical or engineering sciences Ph.D., D.V.M., or M.D. Apply at least three months prior to completion of advanced degree. Contact: Dr. Chris Corton, Staff Scientist; Email: corton@ciit.org; Internet: <http://www.ciit.org>.

Professorships

Michigan State University, John A. Hannah Professor in Bacterial Evolution. Full-time faculty position with joint tenured appointment in Dept. of Microbiology and Food Science and Human Nutrition. Ph.D. in microbiology or related field and research expertise in molecular biology of bacterial organisms required. Primary responsibility to conduct internationally recognized research on evolution of bacteria relevant to food safety. Teaching responsibilities will focus on graduate and postdoctoral training related to candidate's research interest. Send letter of application, CV, and names of three references to: Dr. Edward Mather, Chair, Hannah Search Committee, National Food Safety and Toxicology Center, Michigan State University, 165 Food Safety and Toxicology Building, East Lansing, MI 48824-1302; Tel: 517-432-3100; Email: mather@cvm.msu.edu.

Yale University, Division of Environmental Health Sciences. Assistant/ Associate Professor position. Research interests in role of environmental agents in asthma and cancer, use of biomarkers in exposure assessment and identifying etiology of human disease, and interaction of environment with genetically susceptible populations. Ph.D. in biochemistry, epidemiology, chemistry or related field. Submit CV, three representative reprints, three references and summary of research plans by January 21, 2000 to Chair, EHS Search Committee, Dept. of Epidemiology and Public Health, Yale University School of Medicine, P.O. Box 208034, 60 College St., New Haven, CT 06520-8034.

University of Mississippi, Dept. of Pharmacology. Full-time, tenure-track Assistant /Associate Professor at the Oxford campus. Research interest in adverse effects of environmental agents on biological systems. Ph.D.

degree and two years of post-doctoral experience in toxicology required. Submit CV, letter outlining specific research interests and qualifications, and names, addresses, phone numbers and email addresses of three references to Administrative Manager, School of Pharmacy, Thad Cochran NCNPR, Room 1026, University of Mississippi, University, MS 38677.

University of Rochester, Dept. of Environmental Medicine. Tenure-track assistant/associate professor positions. Expected to develop vigorous independently funded research program to complement NIEHS Center Grant theme "Environmental Agents as Modulators of Human Disease and Dysfunction." Neurotoxicology, developmental toxicology, immunotoxicology and aging and toxicology backgrounds. Offers competitive salary, start-up package and access to Facility Cores of NIEHS Center. Send CV, statement of research interests and future plans, description of teaching experience and philosophy and names of three references to: Dr. Deborah A. Cory-Slechta, Chair, Dept. of Environmental Medicine, Box EHSC, University of Rochester Medical School, 575 Elmwood Avenue, Rochester, NY 14642.

Oakland University. Full-time, tenure track Assistant/Associate Professor. Ph.D. in chemistry, biochemistry, or a related environmental area required. Will be required to develop strong, externally-funded research program in environmental chemistry. Research areas of interest include chemical or biochemical toxicology, environmental analysis, and study of chemical fates in environment. Teaching assignments in environmental chemistry at undergraduate and graduate levels. Submit CV, brief description of research plans, copies of transcripts, and three letters of recommendations to: Professor P. Tomboulia, Department of Chemistry, Oakland University, Rochester, MI 48309-4477, Email: envsearch@ouchem.chem.oakland.edu.

Boston University School of Public Health, Dept. of Environmental Health. Assistant/Associate Professor position. Requires more than 2 years postdoctoral experience and potential for sustaining funded research program. Immunologists using molecular techniques to evaluate xenobiotic influence on immunity are encouraged to apply. Send CV, research summary, and names and addresses of references to: Search Committee, Dept. of Environmental Health, Boston University School of Public Health, 715 Albany Street, Boston, MA 02118.

University of Texas M.D. Anderson Cancer Center, Dept. of Carcinogenesis. Assistant Professor position requiring 3-5 years postdoctoral or independent research experience. One position in mechanism-based cancer chemoprevention/dietary intervention. Other positions prefer applicants working in general area of molecular and genetic mechanisms underlying cancer development. Candidates with expertise in genomics, proteomics and advanced gene targeting approaches are encouraged to apply and are expected to establish high-quality, independent research programs and participate in graduate training program. Submit CV, two representative

publications, brief outline of current and future research plans, and three letters of reference to: Dr. Cheryl Walker, Chair, Search Committee, c/o Mrs. Mary Lou Fendley, University of Texas M.D. Anderson Cancer Center, Science Park- Research Division, PO Box 389, Park Road 1C, Smithville, TX 78957; Tel: 512-237-2403.

Risk Assessment Positions

Exponent Environment Group. Seeking entry-level toxicologists for all phases of human health risk assessment AND principal-level toxicologists to develop practice groups. Attractive benefits and professional development programs. Requires B.A. in toxicology or related discipline, excellent communication and analytical skills, and proficiency with spreadsheet and word-processing software. Prior professional experience preferred. Send cover letter and resume to: Fax: 425-643-9827; Email: hreeg@exponent.com; Internet: www.exponent.com.

Chevron, Toxicology and Risk Assessment Group, Richmond, CA. Seeking Ph.D. toxicologist with 0-3 years of experience to assess and characterize human health risks from raw materials, facility emissions and site remediation activities, work with Product Stewardship and product development groups, provide technical support in personal injury and product liability litigation, and serve on Chevron Emergency Information Center. Send resume to Jan Cushman, Ph.D., DABT, Team Leader, Chemicals Team, Toxicology and Health Risk Assessment, Tel: 510-242-7014; Fax: 510-242-7022; Email: jrcu@chevron.com.

JOYO Environmental Services. Full/part time openings for MS/BS in Chemistry, Biology, Environmental Science, Computer Science or related disciplines with 0-5 years of experience. Must have excellent communication and writing skills. Programming/database management a plus. Send resume to JOYO, Environmental Services, Inc., Attn: Amy Owsenek, 6300 Stevenson Avenue, Suite G, Alexandria, VA 22304; Email: owseneka@dyncorp.com.

Pfizer, Drug Safety Evaluation. Study director on toxicology studies and various project and candidate management teams. Additional responsibilities include technical staff supervision, project management, regulatory compliance, response to regulatory queries, and program strategy planning. Fosters independent and collaborative research on mechanisms of toxicity. DVM or Ph.D. with 3-5 years of experience required. Send resume to Pfizer Inc, Job Code:3101, Imaging Services, 235 East 42nd Street 4-42, New York, NY 10017-5755.

Diedre Moire Corporation, Inc. Seeking individual to develop downstream purification methods and ultrafiltration of mammalian cell cultures. Requires MS/Ph.D. in biochemistry or related field, and minimum two years industrial experience developing purification processes and transferring those processes into manufacturing in GMP environment. Must have knowledge of wide variety of chromatographic processes/equipment and excellent communication and project management skills. Contact: Larry Chiaravallo, Diedre Moire Corporation, Inc.; Fax: 609-584-9575; Email: 915603@candseek.com.

Conferences

- q Please add my name to the “**News & Reviews**” mailing list
- q Please remove my name from the “**News & Reviews**” mailing list
- q Please correct my mailing address:

Return to the Faculty of Toxicology at the address below.

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
Texas A&M University
College Station, TX 77843-4461



printed on recycled paper

