



September 21, 2011

**PTX Executive Committee Members, 2011-2012 academic year**

**Pam Lein, Chair**, Molecular Biosciences, SVM

**Fred Gorin, Co-Chair**, Neurology, SoM

**Kermit Carraway**, Biochemistry and Molecular Medicine, SoM, Cancer Center Basic Science

**Angie Gelli**, Pharmacology, SoM

**Birgit Puschner**, Molecular Biosciences, SVM

**Laura Van Winkle**, Anatomy, Physiology and Cell Biology, SVM

**Heike Wulff**, Pharmacology, SoM

**PTX Graduate Advisors, 2011-2012 Academic Year**

**Alan Buckpitt**, Molecular Biosciences, SVM

**Kermit Carraway**, Biochemistry and Molecular Medicine, SoM, Cancer Center Basic Science

**Angie Gelli**, Pharmacology, SoM

**Rick Harper**, UCDHS: Pulmonary & Critical Care

**Mary Horne**, Pharmacology, SoM

**Jerry Last**, Pulmonary and Critical Care, SoM

**Pam Lein**, Molecular Biosciences, SVM

**Kent Pinkerton**, Pediatrics, School of Medicine & Anatomy/Physiology and Cell Biology, SVM

**Birgit Puschner**, Molecular Bioscience, SVM

**Matt Wood**, Environmental Toxicology

**PTX Committee on Educational Policy, 2011-2012 Academic Year**

**Birgit Puschner, Chair**, Molecular Biosciences, SVM

**Johannes Hell**, Pharmacology, SoM

**Jerry Last**, Pulmonary and Critical Care, SoM

**Christopher Carosino**, PTX graduate student

**Erika Fritsch**, PTX graduate student

**PTX Membership Committee, 2011-2012 Academic Year**

**Laura Van Winkle, Chair**, Anatomy, Physiology and Cell Biology, SVM

**Rick Harper**, Pulmonary & Critical Care

**Bob Rice**, Environmental Toxicology

**PTX Admissions Committee, 2011-2012 Academic Year**

**Kermit Carraway, Chair**, Biochemistry and Molecular Medicine, SoM, Cancer Center Basic Science

**Matt Wood**, Environmental Toxicology

**Other members to be determined**

## New PTX faculty

**Xinbin Chen**, Professor, Surgical and Radiological Sciences, School of Veterinary Medicine

**Colleen E. Clancey**, Associate Professor, Dept. of Pharmacology, School of Medicine

**Matthew A. Coleman**, Associate Adjunct Professor, Radiation Oncology, School of Medicine

**Carroll E. Cross, M.D.**, Internal Medicine & Human Physiology & Membrane Biology, School of Medicine

**Sandra I. Despa**, Assistant Professor in Residence, Dept. of Pharmacology, School of Medicine

**Angie Gelli**, Associate Professor, Dept. of Pharmacology, School of Medicine

**Johannes W. Hell**, Professor, Dept. of Pharmacology, School of Medicine

**Mary C. Horne**, Assistant Adjunct Professor, Dept. of Pharmacology, School of Medicine

**Lisa A. Miller**, Associate Professor, Anatomy, Physiology, and Cell Biology, School of Veterinary Medicine

**Noelle L'Etoile**, Associate Professor, Center for Neuroscience and Dept. of Psychiatry and Behavioral Sciences

**Crystal M. Ripplinger** Assistant Professor in Residence, Dept. of Pharmacology, School of Medicine

**Swee Teh**, Associate Researcher, Anatomy, Physiology and Cell Biology, School of Veterinary Medicine

## Incoming PTX students

### PhD Program:

#### **Linnea Anderson**

MS from University of Rhode Island in pharmacology/toxicology; interested in studying neuropharmacology/neurotoxicology.

#### **Aarati Asundi**

BS from UC Davis in Biochemistry and Molecular Biology; interested in clinical pharmacology and toxicology.

#### **Carley Corado**

BS from Cal Poly San Luis Obispo in Animal Science; interested in Metabolic Fate and Pharmacokinetics. She will be working with Heather Knych.

#### **Lindsay Curley**

BS from UC Davis in Environmental Toxicology; interested in neurotoxicology and environmental toxicology.

#### **Zhijian Duan**

Masters degree in Immunology from Fundan University in China; interested in studying endocrine disrupting chemicals and epigenetic regulators with Hongwu Chen.

#### **Peter Henderson**

BS degree in Biochemistry from California Lutheran University; interested in genetic and developmental toxicology.

#### **Hyun Hwang**

BS degree in biotechnology from UC Davis; interested in Genetic & Developmental Pharmacology & Toxicology.

#### **Yuqian Jiang**

BS degree from Shanghai Jiao Tong University in China; interested in studying genetic and developmental toxicology/pharmacology with Xinbin Chen.

#### **Seiya Kitamura**

BA degree from Kyoto University in Applied Life Sciences. Received the Japan Student Services Organization Scholarship to study in at UC Davis for five years in the laboratory of Bruce Hammock.

#### **Stephen Vito**

MS degree from UCD in Animal Sciences; interested in studying environmental toxicology.

## Incoming PTX students

### MS program

#### **Wilson Duarte Ramirez**

Degree in Veterinary Medicine from University of Los Llanos in Columbia. Received a Fullbright fellowship to study in Swee Teh's aquatic toxicology laboratory.

#### **Brad Hobson**

BS degree in genetics from UC Davis; interested in Respiratory Pharmacology & Toxicology and working with Carroll Cross and Jason Eiserich.

### MS to PhD - Change in degree objectives

#### **Brandon Brown**

#### **Ida Flores**

### PTX Graduates in 2010-2011

#### PhD

#### **Justin Beller, PhD** (Bruce Lyeth, Neurological Surgery, Medicine SoM)

*Glutamate Transporters Potential to Reduce Excitotoxicity in CNS Injury and Neurodegenerative Disease*

Postgraduate Position: Postdoctoral fellow, University of Kentucky

#### **Heather Bolstad, PhD** (Matthew Wood, Environmental Toxicology)

*Proteomic Analysis of Protein Interactions within Sulfur Trafficking Systems of E. coli*

Postgraduate Position: Health Scientist, ChemRisk, LLC, San Francisco, CA

#### **Andrew Campbell, PhD** (Timothy Albertson, Pulmonary & Critical Care Medicine, SoM)

*Molinate Metabolism, Kinetics, and PBPK Model*

Postgraduate Position: Senior Scientist/Pharmacokineticist, Molecular Sensing, Montarra, CA

#### **Chao-Yu Chen, PhD** (Kit Lam, Biochemistry & Molecular Medicine, SoM)

*The Use of One-Bead-One Compound Combinatorial Library for Research on Post-Translational Modification of Proteins*

Postgraduate Position: Scientist, OncoMed Pharmaceuticals, Inc.

#### **Thomas Hill, PhD** (Robert Rice, Environmental Toxicology)

*"A Tale of Two Epithelium": A Genetic Exploration into the Versatility and Functional Diversity of Dual-Oxygenase 1 & 2 in Homo Sapiens*

Postgraduate Position: Postdoctoral fellow in the laboratory of Alison Bauer, University of Colorado, Denver

#### **Ning Li, PhD** (Nipavin Chiamvimonvat, Cardiovascular, Internal Medicine, SoM)

*Beneficial Effects of Soluble Epoxide Hydrolase in Cardiovascular Diseases: Insight Gained Using Metabolomic Approaches*

Postgraduate Position: Postdoctoral fellow in the laboratory of Nipavin Chiamvimonvat, Cardiovascular, Internal Medicine UC Davis

#### **Wei Liu, PhD** (Wenbin Deng, Cell Biology & Human Anatomy, SoM)

*Pharmacological Effects of Erythropoietin and its Derivative Carbamylerythropoietin in Cerebral White Matter Injury*

Postgraduate Position: Unknown

#### **U-Ging Lo, PhD** (Wenbin Deng, Cell Biology & Human Anatomy, SoM)

*P38Z (MAPK 14) Deficiency Affects the Production of Specific Cytokines and Chemokines in Astrocytes*

Postgraduate Position: Postdoctoral fellow, M.I.N.D. Institute

- Amy Madl, PhD** (Kent Pinkerton, Center for Health and the Environment)  
*Respiratory Effects of Inhaled Single-Walled Carbon Nanotubes:  
The Role of Particle Morphology and Iron Content*  
Postgraduate Position: Principal Health Scientist, ChemRisk, LLC, San Francisco, CA
- Nathalie Pham, PhD** (Alan Buckpitt, Molecular BioSciences, SVM)  
*Characterization of Urinary Protein/Peptide adducts as Markers of Reactive  
Naphthalene Metabolite Formation*  
Postgraduate Position: Postdoctoral fellow in laboratory of Dr. Alan Buckpitt, UCD
- Laurel Plummer, PhD** (Kent Pinkerton, Center for Health and the Environment)  
*Pulmonary and Systemic Inflammatory Response to Ambient Particulate Matter in the  
San Joaquin Valley of California*  
Postgraduate Position: Postdoctoral fellow, Center for Health and the Environment
- Meng Sun, PhD** (Allen Gao, Urology, SoM)  
*Sanguinarine as a Novel Inhibitor of Multiple Sign Pathways in Prostate Cancer*  
Postgraduate Position: Unknown
- Katherine Sutherland, PhD** (Laura Van Winkle, Anatomy/Physiology and Cell Biology SVM)  
*The Effect of Sex on Cellular Biology and Pharmacokinetics in the Development  
of Tolerance to Repeated Exposure to the Environmental Chemical Naphthalene*  
Postgraduate Position: Postdoctoral fellow in the laboratory of Dr. James Frank, UCSF
- Hsing-Ju (Cindy) Tsai, PhD** (Bruce Hammock, Entomology)  
*Pharmacokinetic Screening of Soluble Epoxide Hydrolase Inhibitors in Companion Animals*  
Postgraduate Position: Scientist, ChemoCentryx, Mountain View, CA
- Chun-Yi (Jimmy) Wu, PhD** (Kit Lam, Biochemistry & Molecular Medicine, SoM)  
*The Screening of One-Bead-One-Compound (OBOC) Small Molecule Libraries Against  
Phage Display Libraries – The Development of a Novel Multiplex Screening Approach  
and Its Applications*  
Postgraduate Position: Postdoctoral fellow in the laboratory of Michael Rogawski, Department of  
Neurology, UC Davis Medical Center
- Artem Zykovich, PhD** (David Segal, Pharmacology, SoM)  
*Developing Bind-N-SEQ for Identification of C2H2 Zinc Fingers and Other Proteins DNA  
Binding Properties*  
Postgraduate Position: Postdoctoral fellow in the laboratory of Dr. David Klein, NIH NICHD Intramural  
research program, Section on Neuroendocrinology, Bethesda, MD

## MS

- Jack Hsiang, MS** (Elva Diaz, Pharmacology SoM)  
Postgraduate Position: Unknown
- Rebecca Lekim, MS** (Kent Pinkerton, Center for Health and the Environment)  
Postgraduate Position: Student at the College of Osteopathic Medicine, Pomona, CA
- Jamie McCall, MS** (Michael DeGregorio, Hematology & Oncology, SoM)  
Postgraduate Position: Graduate student, University of Nebraska
- Chao Zhu, MS** (Kermit Carraway, Biochemistry & Molecular Medicine, SoM)  
Postgraduate Position: Research Assistant; Genecor international, Palo Alto, CA
- Nam Tran, MS** (Gerald Kost, Pathology, SoM)  
Postgraduate Position: Assistant Adjunct Professor, Medical Pathology & Laboratory  
Medicine, SoM

## **Publications by PTX Graduate Students in 2010-2011 Academic Year**

- Sutherland KM**, Combs TJ, Edwards PC, Van Winkle LS (2010) Site specific differences in gene expression of secreted proteins in the mouse lung: Comparison of methods to show differences by location. *J Histochem Cytochem.* 58(12):1107-19.
- Van Winkle LS, **Chan JKW**, **Anderson DS**, Kumfer B, Kennedy IM, Kleeman MJ, Wexler AS, Wallis C, Abid AD, **Sutherland KM**, and Fanucchi MV (2010) Age specific responses to acute inhalation of diffusion flame soot particles: Cellular injury and the airway antioxidant response. *Inhal Toxicol* 22(Suppl 2):70-83.
- Van Winkle LS, Baker GL, **Chan JKW**, Schelegle ES and Plopper CG (2010) Airway Mast Cells in a Rhesus Model of Childhood Allergic Airways Disease. *Tox Sci* 116(1):313-22.
- Lee D, Wallis C, Wexler A, Schelegle E, Van Winkle L, Plopper C, Fanucchi M, Kumfer B, Kennedy I, **Chan J** (2010) Inhaled particles disrupt postnatal airway development. *J Appl Physiol* 109(4):1115-24.
- Wegesser TC**, Franzi LM, Mitloehner FM, Eiguren-Fernandez A, Last JA (2010) Lung antioxidant and cytokine responses to coarse and fine particulate matter from the great California wildfires of 2008. *Inhal Toxicol* 22(7):561-70.
- Hill T**, Xu C, Harper RW (2010) IFN $\gamma$  mediates DUOX2 expression via a STAT independent signaling pathway. *Biochem Biophys Res Commun* 395:270-274.
- Tuteja D, Rafizadeh S, Timofeyev V, Wang S, Zhang Z, **Li N**, Mateo RK, Singapuri A, Young JN, Knowlton AA, Chiamvimonvat N (2010) Cardiac small conductance Ca $^{2+}$ -activated K $^{+}$  channel subunits form heteromultimers via the coiled-coil domains in the C termini of the channels. *Circ Res* 107: 851-859.
- Qiu H, **Li N**, Liu JY, Harris TR, Hammock BD, Chiamvimonvat N (2010) Soluble epoxide hydrolase inhibitors and heart failure. *Cardiovasc Ther* 29(2): 99–111.
- Philip D. Matern, **Li N**, Hwee DT, Chiamvimonvat N and Bodine SC (2010) Development of congestive heart failure in mice with a null deletion of MAFbx. *FASEB J* 24(1): 1036.
- Sun M**, Lou W, Chun JY, Cho DS, Nadiminty N, Evans CP, Chen J, Yue J, Zhou Q, Gao AC (2010) Sanguinarine Suppresses Prostate Tumor Growth and Inhibits Survivin Expression. *Genes Cancer* 1(3):283-292.
- Nadiminty N, Lou W, **Sun M**, Chen J, Yue J, Kung HJ, Evans CP, Zhou Q, Gao AC (2010) Aberrant activation of the androgen receptor by NF-kappaB2/p52 in prostate cancer cells. *Cancer Res* 70(8):3309-19.
- Liu JY, Li N, Yang J, **Li N**, Qiu H, Ai D, Chiamvimonvat N, Zhu Y, Hammock BD (2010) Metabolic profiling of murine plasma reveals an unexpected biomarker in rofecoxib-mediated cardiovascular events. *Proc Natl Acad Sci U S A.* 107(39): 17017-17022
- Morisseau C, Inceoglu B, Schmelzer K, **Tsai HJ**, Jinks SL, Hegedus CM, Hammock BD (2010) Naturally occurring monoepoxides of eicosapentaenoic acid and docosahexaenoic acid are bioactive antihyperalgesic lipids. *J Lipid Res* 51(12):3481-90.
- Fei Y, Landry JP, Sun Y, Zhu X, Wang X, Luo J, **Wu CY**, Lam KS (2010) Screening small-molecule compound microarrays for protein ligands without fluorescence labeling with a high-throughput scanning microscope. *J Biomed Opt* 15(1):016018.
- Chang PC, Izumiya Y, **Wu CY**, Fitzgerald LD, Campbell M, Ellison TJ, Lam KS, Luciw PA, Kung HJ (2010) Kaposi's sarcoma-associated herpesvirus (KSHV) encodes a SUMO E3 ligase that is SIM-dependent and SUMO-2/3-specific. *J Biol Chem* 285(8):5266-73.

- Tsai HJ**, Hwang SH, Morisseau C, Yang J, Jones PD, Kasagami T, Kim IH, Hammock BD (2010) Pharmacokinetic screening of soluble epoxide hydrolase inhibitors in dogs. *Eur J Pharm Sci* 40(3):222-38.
- Simpkins AN, Rudic RD, Roy S, **Tsai HJ**, Hammock BD, Imig JD (2010) Soluble epoxide hydrolase inhibition modulates vascular remodeling. *Am J Physiol Heart Circ Physiol* 298(3):H795-806.
- Zhang Q, Timofeyev V, Qiu H, Lu L, **Li N**, Singapuri A, et al. (2010) Expression and roles of Cav1.3 ( $\alpha 1D$ ) L-type  $Ca^{2+}$  channel in atrioventricular node automaticity. *J Mol Cell Cardiol* 50(1):194-202.
- Timofeyev V, Porter CA, Tuteja D, Qiu H, **Li N**, Tang T, Singapuri A, Han PL, Lopez JE, Hammond HK, Chiamvimonvat N (2010) Disruption of adenylyl cyclase type V does not rescue the phenotype of cardiac-specific over-expression of G $\alpha_q$  protein-induced cardiomyopathy. *Am J Physiol Heart Circ Physiol* 299(5):H1459-H1467.
- Bolstad HM**, Wood MJ (2010) An *in vivo* method for characterization of protein interactions within sulfur trafficking systems of *E. coli*. *J Proteome Res* 9(12):6740-51.
- Bolstad HM**, Botelho DJ, Wood MJ (2010) Proteomic analysis of protein-protein interactions within the Cysteine Sulfinate Desulfinate Fe-S cluster biogenesis system. *J Proteome Res* 9(10):5358-69.
- Wilson DW, Aung HH, Lame MW, **Plummer L**, Pinkerton KE, Ham W, Kleeman M, Norris JW, Tablin F (2010) Exposure of mice to concentrated ambient particulate matter results in platelet and systemic cytokine activation. *Inhal Toxicol* 22(4):267-76.
- Li N**, Liu JY, Qiu H, Harris TR, Sirish P, Hammock BD (2011) Use of metabolomic profiling in the study of arachidonic acid metabolism in cardiovascular disease. *Congest Heart Fail* 17(1): 42-6.
- Liu C, Nadiminty N, Tummala R, Chun JY, Lou W, Zhu Y, **Sun M**, Evans CP, Zhou Q, Gao AC (2011) Andrographolide targets androgen receptor pathway in castration-resistant prostate cancer. *Genes Cancer* 2(2):151-9.
- Tuscano JM, Ma Y, Martin SM, **Kato J**, O'Donnell RT (2011) The Bs20x22 anti-CD20-CD22 bispecific antibody has more lymphomacidal activity than do the parent antibodies alone. *Cancer Immunol Immunother* 60(6):771-80.
- Li Y, Xiao K, Luo J, Xiao W, Lee JS, Gonik AM, **Kato J**, Dong TA, Lam KS (2011) Well-defined, reversible disulfide cross-linked micelles for on-demand paclitaxel delivery. *Biomaterials* 32(27):6633-45.
- Lein PJ, **Barnhart CD**, Pessah IN (2011) Acute hippocampal slice preparation and hippocampal slice cultures. *Methods Mol Biol* 758:115-34
- Kim KH, Bose D, Ghogha A, Riehl J, **Zhang R**, **Barnhart CD**, Lein PJ, Pessah IN (2011) Para- and ortho-substitutions are key determinants of brominated diphenyl ether activity toward ryanodine receptors and neurotoxicity. *Environ Health Perspect* 119:519-526.
- Wagner K**, Inceoglu B, Gill SS, Hammock BD (2011) Epoxygenated fatty acids and soluble epoxide hydrolase inhibition: novel mediators of pain reduction. *J Agric Food Chem*. 59(7):2816-24.
- Inceoglu B, **Wagner K**, Schebb NH, Morisseau C, Jinks SL, **Ulu A**, Hegedus C, Rose T, Brosnan R, Hammock BD (2011) Analgesia mediated by soluble epoxide hydrolase inhibitors is dependent on cAMP. *Proc Natl Acad Sci U S A*. 108(12):5093-7.

- Hwang SH, **Wagner KM**, Morisseau C, Liu JY, Dong H, Weckslar AT, Hammock BD (2011) Synthesis and structure-activity relationship studies of urea-containing pyrazoles as dual inhibitors of cyclooxygenase-2 and soluble epoxide hydrolase. *J Med Chem* 54(8): 3037-50.
- Duleba AJ, Ahmed MI, **Sun M**, Gao AC, Villanueva J, Conley AJ, Turgeon JL, Benirschke K, Gee NA, Chen J, Green PG, Lasley BL (2011) Effects of triclocarban on intact immature male rat: augmentation of androgen action. *Reprod Sci* 18(2):119-27.
- Schebb NH, Inceoglu B, Rose T, **Wagner K**, Hammock BD (2011) Development of an ultra-fast online-solid phase extraction (SPE) liquid chromatography electrospray tandem mass spectrometry (LC-ESI-MS/MS) based approach for the determination of drugs in pharmacokinetic studies. *Anal Methods* 3(2): 420-428.
- RE Cannon, LA Deanovic, **EB Fritsch**, LS D'Abronzio, I Werner (2011) Sublethal Responses to ammonia exposure in the endangered Delta Smelt; *Hypomesus transpacificus* (Fam. Osmeridae). *Aquatic Toxicol* 105:369-377.
- Liu W**, Shen Y, Plane JM, Pleasure DE, Deng W (2011) Neuroprotective potential of erythropoietin and its derivative carbamylated erythropoietin in periventricular leukomalacia. *Exp Neurol* 230:227-239 (selected for COVER illustration).
- Soundarapandian MM, Selvaraj V, **Lo U**, Golub MS, Feldman DH, Pleasure DE, Deng W (2011) Zfp488 promotes oligodendrocyte differentiation of neural progenitor cells in adult mice after cuprizone-induced demyelination. *Scientific Reports* 1:2 doi:10.1038/srep2.
- Gao T, Blanchette CD, **He W**, Bourguet F, Ly S, Katzen F, Kudlicki WA, Henderson PT, Laurence TA, Huser T, Coleman MA (2011) Characterizing diffusion dynamics of a membrane protein associated with nanolipoproteins using fluorescence correlation spectroscopy. *Protein Sci* 20(2):437-47.
- Beller JA**, Gurkoff GG, Berman RF, Lyeth BG (2011) Pharmacological enhancement of glutamate transport reduces excitotoxicity in vitro. *Restor Neurol Neurosci* 29(5):331-46.
- Yao N, **Chen CY**, **Wu CY**, Motonishi K, Kung HJ, Lam KS (2011) Novel flavonoids with antiproliferative activities against breast cancer cells. *J Med Chem* 54(13):4339-49.
- Liu JY, Qiu H, Morisseau C, Hwang SH, **Tsai HJ**, Ulu A, Chiamvimonvat N, Hammock BD (2011) Inhibition of soluble epoxide hydrolase contributes to the anti-inflammatory effect of antimicrobial triclocarban in a murine model. *Toxicol Appl Pharmacol* 255(2):200-6.
- Chang PC, Fitzgerald LD, Hsia DA, Izumiya Y, **Wu CY**, Hsieh WP, Lin SF, Campbell M, Lam KS, Luciw PA, Tepper CG, Kung HJ (2011) Histone demethylase JMJD2A regulates Kaposi's sarcoma-associated herpesvirus replication and is targeted by a viral transcriptional factor. *J Virol* 85(7):3283-93.
- Luria A, Bettaieb A, Xi Y, Shieh GJ, Liu HC, Inoue H, **Tsai HJ**, Imig JD, Haj FG, Hammock BD (2011) Soluble epoxide hydrolase deficiency alters pancreatic islet size and improves glucose homeostasis in a model of insulin resistance. *Proc Natl Acad Sci U S A*. 108(22):9038-43.
- Shimizu Y, Şöllü C, Meckler JF, Adriaenssens A, **Zykovich A**, Cathomen T, Segal DJ (2011) Adding fingers to an engineered zinc finger nuclease can reduce activity. *Biochemistry* 50(22):5033-41.
- Honetschlägerová Z, Husková Z, Vaňourková Z, Sporková A, Kramer HJ, Hwang SH, **Tsai HJ**, Hammock BD, Imig JD, Červenka L, Kopkan L (2011) Renal mechanisms contributing to the antihypertensive action of soluble epoxide hydrolase inhibition in Ren-2 transgenic rats with inducible hypertension. *J Physiol* 589(Pt 1):207-19.
- Pechenino AS, Lin L, Mbai FN, **Lee AR**, He X, Stallone JN, Knowlton AA (2011) Impact of aging vs. estrogen loss on cardiac gene expression: estrogen replacement and inflammation. *Physiol Genomics*. 43: 1065-1073.

**Wagner K**, Inceoglu B, Hammock BD (2011) Soluble epoxide hydrolase inhibition, epoxygenated fatty acids and nociception. *Prostaglandins Other Lipid Mediat.*, in press.

**Zhu Y**, Tummala R, Liu C, Nadiminty N, Lou W, Evans CP, Zhou Q, Gao AC (2011) RhoGDIalpha suppresses growth and survival of prostate cancer cells. *Prostate*, in press.

**Chan, JKW**, Fanucchi, MV, **DS Anderson**, A Abid, CD Wallis, TJ Combs, BM Kumfer, IM Kennedy, AS Wexler, LS Van Winkle. (2011) Inhaled ultrafine premixed flame particulates induce age-specific cellular responses in neonatal and adult rats. *Tox Sci*, in press.

Nakayama Wong LS, Aung HH, Lamé MW, **Wegesser TC**, Wilson DW (2011) Fine particulate matter from urban ambient and wildfire sources from California's San Joaquin Valley initiate differential inflammatory, oxidative stress, and xenobiotic responses in human bronchial epithelial cells. *Toxicol In Vitro* [Epub ahead of print] PMID: 21703343

**Brander S**, Fontana R, Mata T, Gravem S, Hettinger A, Bean J, Szoboszlai A, Marrero M, Keiper C (2011) The ecotoxicology of marine debris. *J Am Biol Teacher*, in press.

**Sun M**, Liu C, Nadiminty N, Lou W, Zhu Y, Yang J, Evans CP, Zhou Q, Gao AC (2011) Inhibition of Stat3 activation by sanguinarine suppresses prostate cancer cell growth and invasion. *Prostate* doi: 10.1002/pros.21409. [Epub ahead of print]

**Ulu A**, Appt S, Morisseau C, Hwang S, Jones P, Rose T, Dong H, Lango J, Yang J, **Tsai H**, Miyabe C, Fortenbach C, Adams M, Hammock B (2011) Pharmacokinetics and in vivo potency of soluble epoxide hydrolase inhibitors in cynomolgus monkeys. *Br J Pharmacol* doi: 10.1111/j.1476-5381.2011.01641.x. [Epub ahead of print]



## **PTX graduate student awards/recognitions in 2010-2011**

**Donald Anderson** [Laura Van Winkle]

Superfund Basic Sciences Research Fellowship

**Christopher Barnhart** [Pam Lein]

NIEHS T32 Fellowship (2010-2012)

ARCS (Achievement Rewards for Scientists) Scholar (2010-2012)

**Heather Bolstad** [Matt Wood]

UC Davis Graduate Student Travel Award (2011)

Outstanding Leadership Award from the Society of Toxicology, 2011

**Susan Brander** [Gary Cherr]

Dissertation research featured in Aquatic Science Center. 2011. The Pulse of the Delta: Monitoring and Managing Water Quality in the Sacramento–San Joaquin Delta. Re-thinking Water Quality Monitoring. Contribution 630. Aquatic Science Center, Oakland, CA.

Dissertation research highlighted in the Delta Science newsletter

[http://archive.deltacouncil.ca.gov/delta\\_science\\_program/publications/sci\\_news\\_0711\\_contamination.html](http://archive.deltacouncil.ca.gov/delta_science_program/publications/sci_news_0711_contamination.html)

**Christopher Carosino** [Kent Pinkerton]

Society of Toxicology Graduate Student Travel Support Award

Invited Speaker, OEHHA, UC Davis Graduate Student Symposia Seminar Series

NorCal SOT Student Representative for UC Davis

Inhalation and Respiratory Special Section SOT Graduate Student Representative

**Jackie Chan** [Laura Van Winkle]

NIEHS T32 Predoctoral Fellowship

Best Poster Award, Northern California Chapter Society of Environmental Toxicology and Chemistry

Annual Meeting Sacramento, 2011.

**Hao Chen** [Pam Lein]

Superfund Basic Sciences Research Fellowship

**Samuel Chung** [Tzipora Goldkorn]

HHMI Integrating Medicine into Basic Science Fellowship (2010-2011)

**Thomas Hill** [Bob Rice]

2011 Battelle Student Research Award, Dermal Toxicology Specialty Section, SOT

2011 Young Investigator of the Year, Northern California Chapter, Society of Toxicology

**Erika Fritsch** [Isaac Pessah]

Superfund Basic Sciences Research Fellowship

**Diana Lac** [Kit Lam]

HHMI Integrating Medicine into Basic Science Fellowship (2010-2011)

UC Davis Biotechnology Fellowship (2011-2012)

**Alison Lee** [Anne Knowlton]

HHMI Integrating Medicine into Basic Science Fellowship (2010-2011)

T32 Training Program in Basic and Translational Cardiovascular Science (2011-2013)

**Emir Leal Leon** [Michael Rogawski]

UCMEXUS fellowship

**Carly Moore** [Birgit Puschner]

Veterinary Science Training Program Fellowship (2010-2017)

Freedland Fellowship (2010)

Humboldt Area Foundation L.R. "Doc" Douglas Scholarship (2010)

USEPA-STAR Fellowship (2011-2014)

George Lee Fellowship (2011-2012)

**Yassaman Niknam** [Isaac Pessah]

Superfund Basic Sciences Research Fellowship

**Sucheta Rinti Mukherjee** [Wolf Heyer]

Tobacco Related Drug Research Program Pre-Doctoral fellowship (2011-2013)

**Shannon Murphy** [Laura Van Winkle]

USEPA STAR Fellowship (3 years)

Honorable Mention, Poster Award, UC Davis Interdisciplinary Graduate and Professional Symposium  
Invited Speaker, OEHHA, UC Davis Graduate Student Symposia Seminar Series

**Dora Maria Cedano Prieto** [Yoshikazu Takada]

UCMEXUS fellowship

**Maria Elvira Cedano Prieto** [Colleen Sweeney]

UCMEXUS fellowship

**Amber Roegner** [Birgit Puschner]

Veterinary Science Training Program - Fellowship 2007-2014

EPA Science to Achieve Results (STAR) Fellowship for Graduate Environmental Study (2010-2013)

U.S. Fulbright Scholar, Montevideo, Uruguay (2011)

ARCS (Achievement Rewards for Scientists) Scholar (2009-2010)

**Sunil Sahdeo** [Gino Cortopassi]

Invited speaker, 2011 International Friedreich's Ataxia Scientific Conference, Strasbourg, France

**Chelsea Snyder** [Marty Privalsky]

NIEHS T32 predoctoral fellowship (2010-2012)

**Karen Wagner** [Bruce Hammock]

NIEHS T32 predoctoral fellowship (2009-2011)

**Keisha Williams** [Jerry Last]

Floyd and Mary Schwall Dissertation Year Fellowship (2011-2012)

**Ray Zhang** [Isaac Pessah]

Integrative Cardiovascular T32 Predoctoral Fellowship (2010-2012)

HHMI Integrating Medicine into Basic Science Fellowship (2011-2012)