

Interdisciplinary Toxicology Program

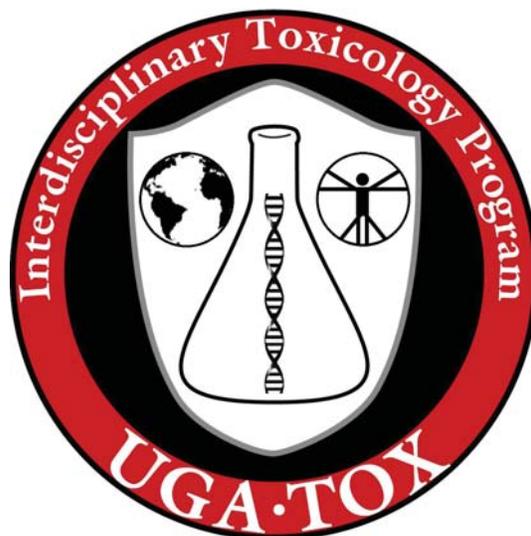
DIGEST



UNIVERSITY OF GEORGIA

# Interdisciplinary Toxicology Program

Spring 2014



[WWW.TOXICOLOGY.UGA.EDU](http://WWW.TOXICOLOGY.UGA.EDU)

## The Interdisciplinary Toxicology Program

Rm. 341 - Pharmacy South  
Athens, GA 30602

[www.toxicology.uga.edu](http://www.toxicology.uga.edu)  
706-583-0058

Brian Cummings, Director

### Executive Committee

Brian Cummings  
Mary Alice Smith  
Jim Bruckner  
Robert Bringolf  
Nick Filipov  
Raymond Noblet  
Ron Riley  
J.S. Wang

### Admissions Committee

Mary Alice Smith  
Ralph Tripp  
John Wagner  
Jason Zastre

## INDEX

Page 2	Letter from Director
Page 3	Students Photos
Page 4	List of Faculty
Page 5	Committees
Page 6	UGATOX
Page 7	Faculty Research
Page 8	Student Research
Page 9	Student Research
Page 10	Spring Retreat
Page 11	New Graduates
Page 12-13	Alumni
Page 14	Support
Page 15	Snapshots
Page 16	List of Graduates

Dear Colleagues,

The past year was an excellent year for ITP. Our faculty continued to publish and obtain research funding for their research, despite the continuing downturn trend in NIH funding. Our students continued to shine, and 8 students received their Ph.D. or M.S. degrees. Our students also won several UGA, regional and national awards, including several Graduate Student Travel Awards, a Provost Scholar, and several of our students progressed to Doctoral Candidacy. So far, we have already accepted 3 new students for Fall 2014.

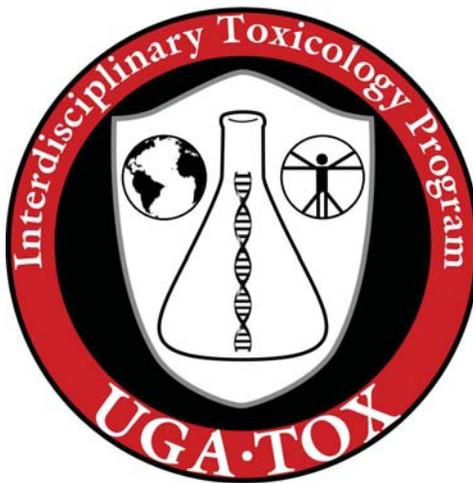
Our Spring and Fall Retreats continue to be excellent showcases of our expertise and research strengths. ITP also continues to be involved with toxicology at the regional and national levels. For example, ITP had several student presentations at the Southeastern Society of Toxicology Meeting at Emory University in Atlanta in October, 2013, as well as a few faculty platform presentations. There were also several posters and platform presentations at the National Society of Toxicology Meeting in Phoenix Arizona in March, 2014. True to our interdisciplinary nature, research presentations were also presented at the Southeastern Neuroscience Conference, The American Pharmacist Association Meeting, the Annual North American Black Fly Association meeting, the Society of Integrative and Comparative Biology Meeting as well the International Gordon Conference on Molecular Toxicology.

As always, I was pleased to see and hear about so many UGA ITP Alumni at the above meetings, but was wondering how many I was missing. Please drop us a line if you are an Alumni. To do this you can go to [www.toxicology.uga.edu/Alumni](http://www.toxicology.uga.edu/Alumni). We are always happy to hear from you and to find out about your current whereabouts and endeavors.

As always, I would like to thank the tireless efforts of Joanne Mauro. Finally, we are always looking to increase our Foundation Funds, which allow both faculty and students to invite and support national and internationally known Toxicologists for seminars, and support programs that enhance ITP faculty and student

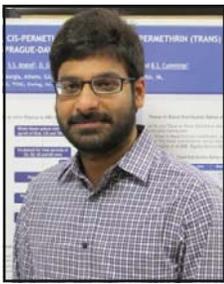
experiences. Donations are tax-deductible and information on how to give can be found in this newsletter and at:

<http://www.toxicology.uga.edu>

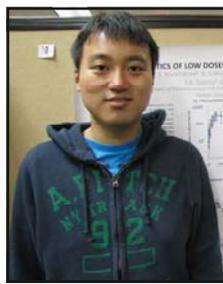


Dr. Brian S. Cummings  
Director, ITP





Manoj Amaraneni



Chen Chen



Liz Dudley



Ahmed El Zowalaty



John Finger



Forrest Goodfellow



Eric Goolsby



Anna Hejl



Joe Iburg



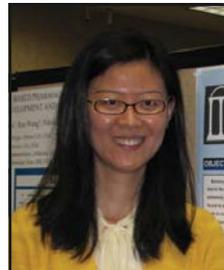
Minsu Kang



Ramya Kolli



Rong Li



Maggie Liu



Lisa Luo



Madhusudhan M. Keralapurath



Dean Meyer



Adrian Parr



Palak Patel



Natalie Scholpa



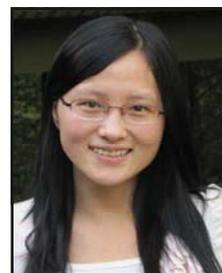
Matthew Urich



Rahat Wadhwa-Desai



Jincheng Wang



Yan Wang



Hongye Wei



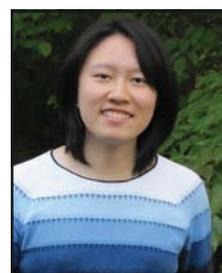
Robby Williams



Rachel Worley



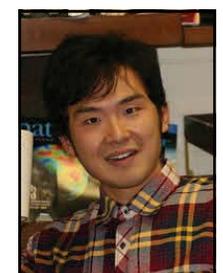
Xian Wu



Kathy Xue



Fei Zhao



Jun Zhou

# ITP 2013—2014 CLASS

# ITP FACULTY

## College of Agricultural and Environmental Sciences

**Sayed Hassan**, Crop & Soil Sciences  
**Qingguo (Jack) Huang**, Crop & Soil Sciences  
**Raymond Noblet**, Department Head, Entomology  
**Steve Stice**, Director, Regenerative Bioscience Center  
**William Vencill**, Crop & Soil Sciences  
**Roger Wyatt**, Poultry Science

## College of Public Health

**Marsha Black**, Environmental Health Science  
**Cham Dallas**, Health and Policy Management  
**Travis Glenn**, Environmental Health Science  
**Erin Lipp**, Environmental Health Science  
**Kun Lu**, Environmental Health Science  
**Luke Naeher**, Environmental Health Science  
**Mary Alice Smith**, Environmental Health Science  
**John Vena**, Epidemiology & Biostatistics  
**Jia-Sheng Wang**, Department Head, Environmental Health Science  
**Phillip Williams**, Dean  
**John Yu**, Environmental Health Science

## College of Veterinary Medicine

**Julie Coffield**, Physiology & Pharmacology  
**Gaylen Edwards**, Department Head, Physiology & Pharmacology  
**Rabindranath De La Fuente**, Physiology & Pharmacology  
**Nikolay Filipov**, Physiology & Pharmacology  
**Robert Gogal**, Veterinary Biosciences & Diagnostic Imaging  
**Tai Guo**, Veterinary Biosciences & Diagnostic Imaging  
**Jaroslava Halper**, Pathology  
**Keith Harris**, Department Head, Pathology  
**Steve Holladay**, Department Head, Veterinary Biosciences & Diagnostic Imaging  
**Elizabeth Howerth**, Pathology  
**S. Mark Tompkins**, Infectious Diseases  
**Ralph Tripp**, Infectious Diseases  
**Maria M. Viveiros**, Physiology & Pharmacology  
**John J. Wagner**, Physiology & Pharmacology  
**Xiaoqin Ye**, Physiology & Pharmacology

## FDA

**Jeff Fisher**, Food & Drug Administration  
National Center for Toxicological Research

## Franklin College of Arts and Sciences

**Lisa Donovan**, Dept. of Plant Biology  
**Anne O. Summers**, Dept. of Microbiology

## Odum School of Ecology

**Richard Shefferson**, Plant Biology  
**Stacey Lance**, Savannah River Ecology Lab

## R. C. Wilson College of Pharmacy

**James Bruckner**, Pharmaceutical & Biomedical Sciences  
**Brian Cummings**, Pharmaceutical & Biomedical Sciences  
**Arthur Roberts**, Pharmaceutical & Biomedical Sciences  
**Randall L. Tackett**, Clinical & Administrative Pharmacy  
**Catherine White**, Pharmaceutical and Biomeical Sciences  
**Jason Zastre**, Pharmaceutical & Biomedical Sciences

## USDA

**Ronald T. Riley**, Toxicology & Mycotoxin Research  
**Kenneth A. Voss**, Toxicology & Mycotoxin Research  
**Nik Zitomer**, Toxicology & Mycotoxin Research

## Warnell School of Forestry & Natural Resources

**Robert Bringolf**, Warnell School of Forestry & Natural Resources

# EXECUTIVE COMMITTEE

The ITP Executive Committee members are: Brian S. Cummings, Nick Filipov, Mary Alice Smith, Robert Bringolf, Jim Bruckner, Ray Noblet, Ron Riley and J.S. Wang.

The Executive Committee was dedicated this year to strengthening the curriculum of our Ph.D. and M.S. degrees. We realize we need to offer more electives for ITP students, and an acceptable way to do this is through Seminars. Committee members were tasked with identifying seminar opportunities. The most significant achievements for ITP during this past year are sponsoring seminars for national speakers to travel to the University of Georgia to speak on toxicological issues; maintaining contact with graduates; providing support for faculty teaching; and providing support for both faculty and students' travel to regional, national and international meetings.



Ramya Kolli  
PBS Lab 2014



Dr. Mary Alice Smith  
SOT 2014



Shuo Xiao, Graduation  
August 2013

# ADMISSIONS COMMITTEE

Our program has graduated 71 Ph.D.'s and 45 M.S. degrees since 1997. On average a Ph.D degree takes 55 months and an M.S. degree takes 32 months. Along with 7 Ph.D.'s and 1 M.S. awarded this year, we also had 3 Doctoral Candidacy awards - John Finger, EHS, (Dr. J.S. Wang Advisor); Natalie Scholpa, PBS, (Dr. Brian S. Cummings Advisor); and Joseph Iburg, Entomology, (Dr. Raymond Noblet Advisor). We had 2 students participate in the Graduate School's Emerging Leaders Program - John Finger and Fei Zhao. One of our recent graduates, Zhoumeng Lin, received an Excellence in Research Award by a Graduate Student, presented by Associate Vice President for Research, Dr. Robert Scott. (Photo below).

Recruiting this year included the first ever "Tox Day at UGA". This brought students from several schools to campus. The day included lunch, lab tours, campus tours and an overview of our program. We plan to continue hosting this event, with our next "Tox Day at UGA" scheduled for October 2014. Our incoming class has an average GPA of 3.78. Dr. Guo, Dr. Huang and Dr. Hassan are taking new students.

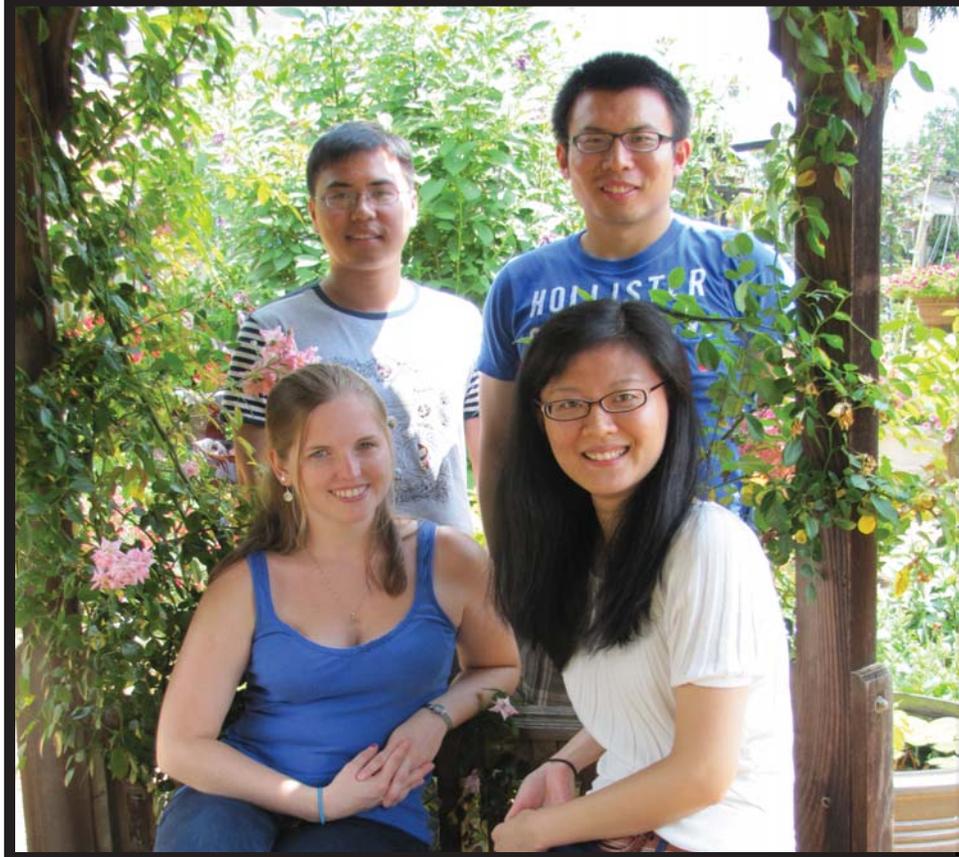
Many thanks to the Admissions committee members:

Dr. Ralph Tripp, Dr. John Wagner and Dr. Jason Zastre  
for all the hard work this year!



Dr. Robert Scott and Dr. Zhoumeng Lin

# UGATOX



**BOTTOM ROW: PRESIDENT NATALIE SCHOLPA, SECRETARY MAGGIE LIYUN**  
**TOP ROW: TREASURER XIAN WU, VICE-PRESIDENT FEI ZHAO**

Since the next round of elections and nominations (2014-2015 academic year) will open soon, every ITP student is encouraged to serve in the UGATOX. Your support will be a distinct honor and will make our UGATOX community more productive and supportive!

*Natalie*

## STUDENT AWARDS

### **3 DOCTORAL CANDIDACY AWARDS:**

**Natalie Scholpa**, Advisor: Brian Cummings  
**John Finger**, Advisor: Travis Glenn  
**Amaraneni Manoj**, Advisor: Jim Bruckner

### **2 EMERGING LEADERS AWARDS**

**John Finger**, Advisor: Travis Glenn  
**Fei Zhao**, Advisor: Xiaoqin Ye



# FACULTY RESEARCH HIGHLIGHTS



**Robert Gogal**

I have been active in the fields of ecotoxicology, environmental immunotoxicology and autoimmunity research for approximately 22 years. My principal focus has been to evaluate the effects of environmental contaminants on the immune system during development and through adult life, with a heavy focus on endocrine disruptors using the murine model.

A unique area of research and clinical strength that I possess, based on my veterinary training, is my diverse present and past experience across numerous domestic and exotic animal models. Recently, my lab has been funded by the DOD to study the effects of dietary lead (Pb) exposure in a variety of avian species tracking their basic physiologic, immune, histologic and production parameters. We will begin a new DOD study this summer to evaluate the reproductive outcome of maternal dietary Pb in pigeons.

Based on my past training as a medical technologist, I learned the importance of good technique and quality control assessments. Thus an additional interest of mine is to continually evaluate new cutting edge techniques in my area of research as well as evaluate current techniques to assess their influence on the data. We have published work showing how variations in specific techniques (i.e. cell dissociation, cell culture plate storage) can generate

remarkably different results. Our most exciting current work involves the effects of developmental exposure on the postnatal immune system. Recent NIH funded work conducted in my laboratory with TCDD has shown a clear correlation between the consequences of prenatal exposure to this toxicant and the adult onset of immune dysregulation manifested as an autoimmune-mediated disease. In essence, we have shown that developmental exposure to a potent endocrine disruptor (dioxin) can result in a Lupus-like syndrome in a non-autoimmune-prone strain. Further, there is a clear sex or gender predilection in this autoimmune disease similar to humans. We are currently exploring the T cell and B cell pathways that affect immune tolerance.

The overall objective of Dr. Yu's laboratory research is to apply our evolving molecular biomedical and computational technologies to explore the mechanisms by which environmental factors interact with and influence critical biological processes, with emphasis on the molecular mechanism, biomarkers discovery and susceptibility, including gene-environment interactions. There are three research projects that are currently ongoing in my laboratory. The first project is to develop in vitro Alternative Model for spermatogenesis. Risk assessment for the reproductive and developmental toxicity is particularly challenging because the reproductive and developmental process is highly-structured micro-environments, involving interactions between multiple organs/tissues at different time points and life stages. We have been developing an in vitro engineered three-dimensional "Mini-testis", which could mimic the in vivo spermatogenesis. This project is currently under the support of CDC NIOSH. The second project is developing a novel computational tool for risk assessment. Advances in computer sciences with equally significant developments in molecular biology and chemistry are providing toxicology with a powerful new toolbox. This toolbox of computational models promise to increase the efficiency and effectiveness by which the hazards and risks of environmental chemicals are determined.

We are developing and applying high-throughput, high-content assays to develop a systems biology approach such as GO-Quant to understand the mode of action of adverse effects by exposure to environmental chemicals. The third focus of research is the occupational safety and health of workers with emerging chemicals. Occupational health and safety (OHS) of workers has been one of my research topics for years, especially exposure to new ozone depleting alternatives and nanomaterials. The emerging of new techniques always brings us new opportunities for a better life, but it also brings challenges into the OHS for the workers and their community. 1-Bromopropane (1-BP) is a halogenated alkane, introduced into the workplace as an ozone depleting alternative solvent (ODA) after the discovery of the reproductive and hematopoietic toxicities of 2-bromopropane in workers. The potential for human exposure to 1-BP and the adverse effects associated with potential occupational exposure to high levels of 1-BP have increased the need to understand the potential mechanism of these adverse effects in rats, mice as a means of understanding human risk in workers. We are currently developing a physiologically-based pharmacokinetic modeling (PBPK) to conduct an integrated quantitative risk assessment for 1-BP.



**John Yu**

# STUDENT RESEARCH

## REGIONAL

### Southeastern Society of Toxicology, Athens, GA

**Rong Li** Effects of post-weaning genistein dietary exposure on puberty in C57BL/6 mice.  
**Advisor: Xiaoqin Ye**

**Zhoumeng Lin** Gestational and lactational exposure to atrazine via the drinking water causes specific behavioral deficits and selectively alters monoaminergic systems in C57BL/6 mouse dams, juvenile and adult offspring. **Advisor: Nikolay Filipov**

**Palak Patel** Oncologic/toxicity outcomes associated with active surveillance in low-risk localized prostate cancer. **Advisor: Randall Tackett Third Place Poster**

**Natalie Scholpa** Epigenetic Changes in p21 Expression in Renal Cells after Exposure to Bromate.  
**Advisor: Brian S. Cummings Second Place Poster**

**Fei Zhao** Multigenerational exposure to dietary zearalenone affected puberty and reproduction in mice. **Advisor: Xiaoqin Ye**

### Southeast Partners in Amphibian and Reptile Conservation, Jamestown, KY

**John Finger** Effects of contaminants on American alligators (*Alligator mississippiensis*) at the individual and population level: thesis prospectus. **Advisor: Travis Glenn**

### Southeast Neuroscience Conference, Augusta, GA

**Natalie Scholpa** Novel Roles for hippocampal p21 in drug-induced behaviors.  
**Advisor: Brian S. Cummings. Best Poster Presentation**

## NATIONAL

### American Pharmacist Association Meeting, Orlando, FL

**Palak Patel** Average annual cost of prostate cancer & factors predicting the cost.  
**Advisor: Randall Tackett**

### Bioremediation and Sustainable Environmental Technologies 2013, Jacksonville, FL

**Lisa Luo** Transformation of Perfluorinated Compounds during Enzyme Catalyzed Oxidative Humification reactions. **Advisor: Qingguo Huang**

### National Comprehensive Cancer Network Annual Meeting 2014, Hollywood, FL

**Palak Patel** National estimates of Healthcare services expenditures for prostate cancer patients: An analysis of the Medical Expenditure Panel Survey, (2006-2010). **Advisor: Randall Tackett**

### Evolution 2013, Snowbird, UT

**Eric Goolsby** Evolution of metal hyperaccumulation in vascular plants. **Advisor: Richard Shefferson**

### Society of Integrative and Comparative Biology (SICB), Austin, TX

**John Finger** Effects of contaminants on American alligators (*Alligator mississippiensis*) at the individual and population level: thesis prospectus. **Advisor: Travis Glenn**

### Society of Neuroscience Conference, San Diego, CA

**M. Mathilakath Keralapurath** Stress or Cocaine-induced Metaplasticity of Long-term Potentiation in the Ventral Hippocampus of Rats. **Advisor: John Wagner**

### 12th Annual North American Black Fly Assoc. Meeting, Athens, GA

**Joe Iburg** The Influence of Selected Materials on *Simulium vittatum* Feeding Behavior.  
**Advisor: Raymond Noble**

### Society of Toxicology 53rd Annual Meeting, Phoenix, AZ

**Manoj Amaraneni** Tissue to Blood Partition Coefficients for Deltamethrin (Dlm), Cispermethrin (Cis) and Trans-Permethrin in Adult Male Sprague-Dawley Rats and 21-Day Old Pups.  
**Advisor: Jim Bruckner**

**Chen Chen** Toxicokinetics of Deltamethrin (DLM) in Adult Male Sprague-Dawley Rats.  
**Advisor: Jim Bruckner**

**Minsu Kang** Aflatoxin Exposure Associates with Abnormal Liver Function and Infections with HIV and Tuberculosis in Ugandan. **Advisor: J.S Wang**

# STUDENT RESEARCH

## NATIONAL (cont.)

### Society of Toxicology 53rd Annual Meeting, Phoenix, AZ

**Natalie Scholpa** Epigenetic Changes in p21 Expression in Renal Cells after Exposure to Bromate.  
**Advisor: Brian S. Cummings**

**Rachel R. Worley** Physiologically-Based Pharmacokinetic Modeling of Human PFOA Exposure Predicts Measured PFOA-Serum Concentrations from Consumption of PFOA-Contaminated Drinking Water. **Advisor: Jeff Fisher**

**Xian Wu** Quantification of neuron maturation and neurite outgrowth in vitro using human neural progenitor cells. **Advisor: Steve Stice**

**Kathy Xue** Development of Method for Detection of Aflatoxin B1-Lysine Adduct in Dried Blood Spot Samples. **Advisor: J.S Wang**

**Yan Wang** Identification of Methylated and Microbial Metabolites of Green Tea Polyphenols in Humans. **Advisor: J.S Wang**

## INTERNATIONAL

### 4TH Intl. Conference on Alternatives for Developmental Neurotoxicity Testing (DNT), Philadelphia, PA

**Xian Wu** Toxicants Differentially Effect Human Neuron Maturation, Outgrowth and Metabolome.  
**Advisor: Steve Stice**

### Gordon Research Conference, Andover, NH

**Rong Li** Effects of Post-weaning Genistein Exposure in Uterine Development and Spermatogenesis. **Advisor: Xiaoqin Ye**

**Fei Zhao** Multigenerational exposure to dietary zearalenone affected puberty and reproduction in mice. **Advisor: Xiaoqin Ye**

**Natalie Scholpa** Nephrotoxic Effects of Epigenetic Inhibitors Used for Cancer Treatment. Presented at the Biannual Cellular and Molecular Mechanisms of Toxicity. **Advisor: Brian S. Cummings**

### Proceedings of the 22nd Working meeting of the IUCN-SSC Crocodile Specialist Group, Negombo, Sri Lanka

**John Finger** Towards developing animal welfare standards for saltwater crocodiles in Northern Australia.  
**Advisor: Travis Glenn**

# FACULTY PUBLICATIONS

Please visit our website for a complete list of faculty publications during the last year.

<http://www.toxicology.uga.edu>

# ALUMNI OF THE YEAR AWARD

The Interdisciplinary Toxicology Program reminds Alumni of the Alumni of the Year Award. Nominations recognize UGA Toxicology graduates who have made significant contributions to the field. This award includes all travel expenses to the UGA Toxicology Spring Retreat. We are seeking nominations from you! These nominations can be for yourself or for another UGA Toxicology Alum. Nominations should include a nomination letter describing his/her accomplishments and a CV or Resume, and one supporting letter. The nominee must be able to attend the Spring Retreat and give a short presentation about their career in toxicology and/or a current topic related to their work. [http://toxicology.uga.edu/alumni/distinguishedservice\\_award/](http://toxicology.uga.edu/alumni/distinguishedservice_award/)

# ITP SPRING RETREAT 2014

## PLATFORMS

- Joseph P. Iburg The Effect of Seston on the Susceptibility of Black Fly Larvae to Bti.  
**Advisor: Raymond Noblet. SECOND PLACE**
- (Lisa) Qi Luo Transformation of Perfluorinated Compounds during Enzyme Catalyzed Oxidative Humification reactions. **Advisor: Jack Huang. THIRD PLACE**
- N. E. Scholpa Bromate-Induced Epigenetic Alterations in p21 Expression in Renal Cells.  
**Advisor: Brian Cummings. SECOND PLACE**
- Rachel R. Worley Analysis of measured serum-PFOA data using a physiologically-based pharmacokinetic model predicts drinking water exposure concentrations in a contaminated community.  
**Advisor: Jeff Fisher. FIRST PLACE**

## POSTERS

- M. Amaraneni Tissue To Blood Partition Coefficients For Deltamethrin (Dlm), Cis-Permethrin (Cis) And Trans-Permethrin In Adult Male Sprague-Dawley Rats And 21-Day Old Pups.  
**Advisor: Jim Bruckner. SECOND PLACE**
- Chen Chen Toxicokinetics of Deltamethrin in Adult Male Sprague-Dawley Rats.  
**Advisor: Jim Bruckner.**
- Elizabeth Ann Dudley LPA3 on uterine preparation for embryo implantation. **Advisor: Xiaoqin Ye.**
- Ahmed E. El Zowalaty Bcl2 is essential for sperm production in mice. **Advisor: Xiaoqin Ye.**
- John Finger The effects of coal fly ash contaminants and selenium on the immune system of the American alligator. **Advisor: Travis Glenn**
- Eric Goolsby A method for inferring the evolutionary history of dose-response curves.  
**Advisor: Richard Shefferson**
- Minsu Kang Aflatoxin Exposure Associates with Abnormal Liver Function and Infections with HIV and Tuberculosis in Ugandan. **Advisor: J.S Wang**
- Rong Li Olfactory Defect May contribute to Female Infertility in Olfm1(-/-) Mice.  
**Advisor: Xiaoqin Ye.**
- Liyun Liu Signaling Pathways Mediating BoNT/A-Induced Neurite Outgrowth in Motor Neurons.  
**Advisor: Julie Coffield**
- Palak Patel Avoidance of unnecessary biopsies among men with suspected prostate cancer using multiparametric magnetic resonance imaging as a diagnostic strategy: A decision analysis. **Advisor: Randall Tackett**
- Rahat Wadhwa-Desai Can an in vitro invasion assay in human cell lines predict the risk for pregnancy-related listeriosis? **Advisor: Mary Alice Smith**
- Jincheng Wang Biomonitoring of cadmium, lead, and total mercury among a cohort of traffic workers in Trujillo, Peru. **Advisor Luke Naeher**
- Yan Wang Identification of Methylated and Microbial Metabolites of Green Tea Polyphenols in Humans. **Advisor: J.S Wang**
- Xian Wu Quantification of neuron maturation and neurite outgrowth in vitro using human neural progenitor cells. **Advisor: Steve Stice. FIRST PLACE**
- Kathy Xue Development of Method for Detection of Aflatoxin B1-Lysine Adduct in Dried Blood Spot Samples. **Advisor: J.S Wang**
- Fei Zhao Timing endocrine disruptor on embryo implantation in CD-1 mice. **Advisor: Xiaoqin Ye. SECOND PLACE**

# 2013-14 GRADUATES



Emily McReynolds Guoqing Qian



Pete Hazelton Shuo Xiao



Zhoumeng Lin Kristen Kellock



Pankaj Sethi Cory Gresham



Kwaku Agyekum Chi-yen Tseng



Joe Iburg Madhu. K. Mathilakath



C  
O  
N  
G  
R  
A  
T  
U  
L  
A  
T  
I  
O  
N  
S  
!!!

# ALUMNI UPDATES

## WHAT ARE THEY DOING NOW?

Kwaku Agyekum	Founder, ToxGlobal.com
Tara Almekinder Vogeliën	Director Toxicology and Clinical Safety, Business and Research Administration NC Research Campus, Kannapolis, NC
Suzanne Baird	MACTEC, Amherst, MA
Windy Boyd	NIEHS - Biomolecular Screening - Worm Tox Group, Research Triangle Park, NC
Jason Boyd	USRA Division of Space Life Sciences, Universities Space Research Association Division of Space Life Sciences, Houston, TX
Jerry Campbell	Assoc. Director Center for Human Health Assessment, The Hamner Institute for Health Sciences, Research Triangle Park, NC
Deborah Cartwright-Iwanowicz	US Geological Survey - Leetown Science Center, Kearneysville, WV
Deanna Conners	Earthsky, <a href="http://earthsky.org/contact">http://earthsky.org/contact</a> , Austin, TX
Eva Daneke-McLanahan	US EPA, LCDR, USPHS, Raleigh Durham, NC
Amy Dixon Delinsky	US EPA Human exposure and Atmospheric Sciences, RTP, NC
Gregory Dooley	Dept of Environmental & Radiological Health Sciences, Fort Collins, CO
Nikolay Filipov	College of Veterinary Medicine Dept. of Physiology and Pharmacology, Athens, GA
Cory Gresham	Veterinarian, Colbert GA
Xianglu Han	Dow Chemical, Midland, MI
Peter Hazelton	Division of Fisheries and Wildlife, West Boylston, MA
Quanren He	Director Toxicology and Clinical Safety, Biothera, Saint Paul, MN
William Matthew Henderson	Research Toxicologist, Ecosystems Research Division, US EPA, Athens, GA
Ofia Hodoh	US EPA Region 4, Atlanta, GA
Victor Johnson	Toxicology and Molecular Biology Branch, Health Effects Laboratory Division, Centers for Disease Control and Prevention, Morgantown, WV
Kristen Kellock	Michigan Department of Environmental Quality, Lansing, MI
Angel Kelsey Wall	Savannah River Nuclear Solutions, Aiken, SC
Sang Hyun Kim	Drug Metabolism Team, NITR Korea Food & Drug Administration, Seoul, Korea
Jiyoung Kim	Institute of Toxicology, School of Public Health, Nanjing Medical University, Nanjing People's Republic of China.
Brad Konwick	Postdoctoral Fellow / KADAS Environmental & Engineering, Richland, VA
Soo Kwang Lee	Food and Drug Administration Johns Creek, GA
Zhoumeng Lin	Postdoctoral Fellow, Kansas State University, Manhattan, KS
Michael Lumpkin	Environ, Atlanta, GA
Hongbo Ma	Assistant Professor, Univ of Wisconsin, Env & Occ Health, Milwaukee/Zilber School of Public Health, Milwaukee, WI
Audrey Majeske	Human Genome Sequencing Center, Baylor College of Medicine, Houston, TX
Leena Malayil	Research Tech Ctr Trop Emerging Diseases, Athens, GA
Kristi Manning Folden	Technical Sales, OLIS, Inc., Bogart, GA
Carrie Marr	Wildlife Biologist, US Fish and Wildlife Service, Phoenix, AZ
Sheppard Martin	National Health and Environmental Effects Research Laboratory, RTP, NC

Judy Mathew	Director Clinical Operations, RFS Pharma, Tucker, GA
Brooks McPhail	ORISE Post-doctoral Fellow at Centers for Disease Control, Atlanta, GA
Emily McReynolds	New Mexico
Paul C. Melstrom	Epidemiologist/Toxicologist, CDC and Prevention, Atlanta, GA
Jay Overmyer	Syngenta, Research Triangle Park, NC
Christopher Peredney	Toxics Cleanup Program, Washington State Department of Ecology, Olympia, WA
Brianna Peterson	Forensics Toxicologist, Washington State Patrol, Seattle, WA
Jennifer Peterson	Firehall 4 Animal Hospital, Athens, GA
Guoqing Qian	Research Fellow, Emory, Atlanta, GA
Junshan Qiu	Staff Fellow FDA Center for Veterinary Medicine, Rockville, MD
Bradley Reinhart	Instructor and Lab Manager, University of South Carolina, Aiken, SC
Arena Richardson	Postdoctoral Fellow, Food & Sci Technology College, Athens, GA
Emily Rogers	Research Assistant, University of Tennessee, Knoxville, TN
Suparna Sarkar	Instructor, Barbara Davis Center for Diabetes, University of Colorado Anschutz Medical Campus, Aurora, CO
Neelesh Sharma	Faculty, Division of Veterinary Clinical Medicine, Jammu-181 102. INDIA
Patricia Shaw-Allen	U.S. Environmental Protection Agency, Cincinnati, OH
Gideon St. Helen	Cardiovascular Research Institute University of California, San Francisco, CA
Bin Sun	The Hamner Institute, Durham, NC
Matthew Taylor	Ashland, Inc. , Covington, KY
Glenn E. Tillman	USDA FSIS OPHS Eastern Laboratory, Athens, GA
Chi-yen Tseng	Ph.D. student, Environmental Science, Baylor University, Waco, TX
Masashi Tsunoda	Professor, Graduate School of Medicines, Kitasato University, Sagamihara, Kanagawa 228-8555, Japan
Olga Tsyusko	Faculty, Univ. of Kentucky, Lexington, KY
Jason Unrine	Faculty, Univ. of Kentucky, Lexington, KY
Aswani Vunnava	Department of Microbiology and Immunology, Emory, Atlanta, GA
Bob Wentworth	Emergency Preparedness Manager, Barrow Hall, UGA , Athens, GA
Denita Williams	OISE Fellowship, CDC, Atlanta, GA
Lonnie W. Williams	Kimberly Clark – Roswell, GA; Burdock Group, Vero Beach, FL
Li Xu	Postdoctoral Fellow, Univ. of Texas MD Anderson Cancer Center, Houston, TX
Neera Chhabra Young	Science Teacher, Lakeside HS, Augusta, GA
Shuo Xiao	Postdoctoral Fellow, Northwestern Univ. Medical School, Chicago, IL
Xiaoling Zhang	Postdoctoral Fellow, Duke University, Durham, NC

**This list represents the latest placement info we have on our graduates.**

**If you have additional information, please send it to [toxinfo@uga.edu](mailto:toxinfo@uga.edu) or call (706) 583-0058**



# Support the Interdisciplinary Toxicology Program

We would like to take this opportunity to invite you to make a financial contribution to the UGA Toxicology Program. You can make a secure credit card contribution online: <https://www.externalaffairs.uga.edu/os/makegift>. When doing so, please select "Other" as the Unit and type Toxicology Program in the form space given. Doing so will ensure that your gift is directed to the Toxicology Program.

The Interdisciplinary Program in Toxicology Fund is a University of Georgia Foundation discretionary account supporting the activities of the Interdisciplinary Toxicology Program. It enables the Program to host internationally recognized speakers, hold conferences and workshops and provide support for graduate students to attend national meetings and present scientific results.

If you prefer to make a donation the old-fashioned way, please fill out this form, print it and mail it to our address below. All contributions are tax deductible.

Name: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Phone: \_\_\_\_\_ EMail: \_\_\_\_\_

I would like to contribute to the University of Georgia Foundation. My gift will be designated for the Interdisciplinary Program in Toxicology Fund.

The Interdisciplinary Program in Toxicology Fund is a University of Georgia Foundation discretionary account supporting the activities of the Interdisciplinary Toxicology Program. It enables the Program to host internationally recognized speakers, hold conferences and workshops and provide support for graduate students to attend national meetings and present scientific results.

Funds of this type are essential to the expansion and success of this campus-wide interdisciplinary training program.

Enclosed is my gift for \$ \_\_\_\_\_

Signature: \_\_\_\_\_

Please send this form with your check, made payable to the University of Georgia Foundation, to the Interdisciplinary Toxicology Program, Rm. 341, Pharmacy South, Green St., Athens, GA 30602. You may also make a secure credit card donation via our website at <http://www.toxicology.uga.edu>.

## *Thank you!!*



## INTERDISCIPLINARY TOXICOLOGY PROGRAM ALUMNI

### 1997

Kelley Ann Boyle Van Vreede, M.S.

### 1998

Ilho Cho, M.S.

Nikolay Miltchev Filipov, Ph.D.

Wu Li, Ph.D

Slawomir Jacek Rzucidlo, Ph.D.

Daniel John Schoeffner, Ph.D.

Jeannie Lee Stephenson, M.S.

Masashi Tsunoda, Ph.D.

Robert Wesley Wentworth, Ph.D.

### 1999

Judy S. Mathew, M.S.

Christopher Lee Peredney, M.S.

Karen Marie Zepp, M.S.

### 2000

Beverly Schleppe Arnold-Hill, Ph.D.

Kevin Anthony Holloman, Ph.D.

Carrie Hamilton Marr, M.S.

### 2001

Taras K. Oleksyk, Ph.D.

Suparna Ajoy Sarkar, Ph.D.

### 2002

Windy Ann Boyd, Ph.D.

Gregory Patrick Dooley, M.S.

Neera Vintra Gopee, Ph.D.

Ofia B. Hodoh, M.S.

Vic Johnson, Ph.D.

Michael Harrison Lumpkin, Ph.D.

Jay Paul Overmyer, Ph.D.

Sarah Suzanne Rentz, M.S.

Patricia Lynn Shaw-Allen, Ph.D.

Lonnie Dwayne Williams, M.S.

### 2003

Jason Lamar Boyd, Ph.D.

Russell David Cole, M.S.

James Claude Cumbee Jr., M.S.

Shashank Dravid, Ph.D.

Kristi Manning Folden, M.S.

Sang Hyun Kim, Ph.D.

Audrey Jean Majeske, M.S.

Bradley David Reinhart, M.S.

### 2004

Tara Lynn Almekinder, M.S.

Heather A Brant, M.S.

Jerry Lamar Campbell Jr., Ph.D.

Deanna Erin Conners, Ph.D.

Amy Dixon Delinsky, Ph.D.

Amber Lynn Graves, M.S.

Xianglu Han, M.S.

Quanren He, Ph.D.

Jiyoung Kim, Ph.D.

Elizabeth Ann Richardson, M.S.

Emily Dawn Rogers, M.S.

Olga Vasyliyva Tsyusko, Ph.D.

Jason M. Unrine, Ph.D.

Angel K. Wall, M.S.

Neera Chhabra Young, M.S.

### 2005

Kathy Dietzel, M.S.

Ryan Richard Holem, M.S.

Catherine J King, M.S.

Brad Konwick, M.S.

Gregory N Oquinn, M.S.

Tonia Marie Parrott, Ph.D.

Jennifer Hoffman Peterson, M.S.

Neelesh Sharma, Ph.D.

### 2006

William Matthew Henderson, Ph.D.

Carey C Hines, Ph.D.

Molly Visser Schaefer, M.S.

Denita Williams, M.S.

Lonnie Dwayne Williams, Ph.D.

### 2007

Deborah Iwanowicz, Ph.D.

Kristen Kellock, M.S.

Kyu-Bong Kim, Ph.D.

Sookwang Lee, Ph.D.

Eva Daneke McLanahan, Ph.D.

Paul Melstrom, Ph.D

Brianna Peterson, Ph.D.

Glenn Tillman, M.S.

Aswani Vunnava, M.S.

### 2008

Tantiana Donata Burns, Ph.D

Curtis Andrew Harris, Ph.D

Elizabeth Irvin, Ph. D.

Lakshmi Kelamangalath, Ph.D.

Brooks McPhail, Ph.D

Michelle Warner Norris, M.S.

Junshun Qiu, Ph.D.

David Robert Rouse, M.S.

Matthew Aaron Taylor, Ph.D.

William Shoults-Wilson, Ph.D

### 2009

Susan Baird, M.S.

Suzy Ritger Crowell, Ph.D.

Hongbo Ma, Ph.D

Leenal Malayil, M.S.

### 2010

Ghanashyam Joshi, M.S.

Suyang Liu, M.S.

Sheppard Martin, Ph.D.

Arena Richardson, Ph.D.

Bin Sun, Ph.D.

Denita Williams, Ph.D.

Li Xu, Ph.D.

### 2011

Olorunfemi Adetona, Ph.D.

Gideon St. Helen, Ph.D.

Shirley Zhang, Ph.D.

### 2012

Adwoa A. Commodore, Ph.D.

Quoging Qian, Ph.D.

### 2013

Kwaku Agyekum, Ph.D.

Cory Gresham, Ph.D.

Peter Hazelton, Ph.D.

Kristen Kellock, Ph.D.

Zhoumeng Lin, Ph.D.

Emily McReynolds, Ph.D.

Pankaj Sethi, Ph.D.

Chi-yen Tseng, Ph.D.

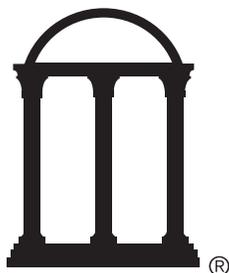
Shuo Xiao, Ph.D.

### 2014

Joseph Iburg, Ph.D.

Madhusudhanan M.

Keralapurath, Ph.D.



The University of Georgia  
Interdisciplinary Toxicology Program  
Rm 341, Pharmacy South  
Green St.  
Athens, GA 30602