

Interdisciplinary Toxicology Program

DIGEST



UNIVERSITY OF GEORGIA

Interdisciplinary Toxicology Program

Summer 2016



WWW.TOXICOLOGY.UGA.EDU

The Interdisciplinary Toxicology Program

College of Pharmacy
250 W. Green St - Rm. 341 - Pharmacy South
Athens, GA 30602
www.toxicology.uga.org
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

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Dear Colleagues,

The past year has been an exceptional busy year for the Interdisciplinary Toxicology Program (ITP). First, we conducted our program review, which entailed intense self-study and review of faculty accomplishments, teaching, student progress and production of numerous pages of documents about the last 7 years. The onsite review took place in January, and included representatives from the Graduate School, the College of Pharmacy and other units across campus, as well as a Past President of the Society of Toxicology. We have yet to receive the final review report at the time of this writing, but I would still like to thank all the faculty and students that aided us in this endeavor. Several review members commented on our organization and the enthusiasm of the faculty and students. I will be sure to share the results with everyone when they arrive.

In addition to the 7 year review, our graduate program went through its triannual assessment process. This entailed a programmatic review of student learning outcomes, assessment and faculty accomplishments in teaching. Again, at the time of this writing, no feedback has been returned, but I will be sure to share the highlights once this is received.

Our graduate students continue to shine thanks, in part, to the effort of our Graduate Coordinator, Dr. Mary Alice Smith, who sadly stepped down this year. Dr. John Wagner has stepped into her place and has been working diligently to put forward many new initiatives. Speaking of initiatives, Dr. Marcia Black and Curriculum Committee has worked very hard in the last year to make extensive change to the curriculum, including establishment of new introductory course for students. More details to come.

The annual spring retreat was an outstanding success and included talks from Dr. Rick Woychik, Deputy Director of the NIEHS, as well as Dr. Rodney Dietert of Cornell University. The retreat had a record number of attendees, including many students and faculty from outside of ITP. It included formal recognition of Dr. Smith, and Drs. James Bruckner and Ron Riley for their many faithful years of service to ITP. It was capped off by an insightful workshop by Dr. Dietert on aiding us in overcoming our roadblocks to progress. As always, I thank Ms. Joanne Mauro for her tireless efforts on behalf of our program, as well as the leadership by Dean Suzanne Barbour of the Graduate School and Associate Dean Julie Coffield, as well as the Graduate School Staff Members. 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

GRADUATE COORDINATOR NOTES

Greetings fellow toxicology faculty and students. As the new Graduate Coordinator for ITP, I look forward to becoming more familiar with the toxicology program and its students in the coming year and to looking for ways to further enhance the quality of our students' experience during their time here in the ITP. Please feel free to approach me with your comments/concerns regarding issues related to student recruitment, admission, education and training as we work together to further improve the quality of the Interdisciplinary Toxicology Program here at UGA.

The following is a brief summary of our student's accomplishments from the 2015/16 academic year:

Ph.D. degrees (4) were earned this past year by Natalie Scholpa (Cummings, Pharmaceutical & Biomedical Sciences), Qi Luo (Huang, Environmental Sciences), Eric Goolsby (Donovan, Ecology), Minsu Kang (Wang, Environmental Health Sciences).

M.S. degrees (3) were earned this past year by Chen Chen (Bruckner, Pharmaceutical & Biomedical Sciences), Hongye Wei (Yu, Environmental Health Sciences), Elizabeth Dudley (Ye, Physiology & Pharmacology).

Doctoral candidate Ahmed El Zowalaty received a Dissertation Completion Award from the Graduate School.

Advancement to Doctoral Candidacy (3) by Forrest Goodfellow (Stice, Animal & Dairy Science), Ramya Kolli (Cummings, Pharmaceutical & Biomedical Sciences), Robert Williams (Gogal, Veterinary Biosciences & Diagnostic Imaging).

ITP students Rahat Wadhwa-desai and Xian Wu were chosen to participate in the Emerging Leaders Program at UGA.

Incoming student Subhasish Dan was awarded a Graduate School Research Award for stipend support.

Congratulations to these students for their achievements!

ITP recruiting activities this past year included trips to SOT, SETAC, SESOT, Coastal Georgia, Atlanta, Gwinette and North Georgia College. We participated in the SOT Undergraduate Program and the new SESOT Undergraduate Program. ITP also received Graduate Recruitment Award funds this year, supporting visits by Reardon and Anderson.

Incoming ITP students for 2016/17 are: Christian Andersen (Ye, Physiology & Pharmacology), David Lee Haskins (Bringolf/Tuberville, Forestry & Natural Resources), E. Marie McKenzie (Stice, Animal & Dairy Science), Subhasish Dan (Wang, Environmental Health Sciences), Davis Reardon (Filipov, Physiology & Pharmacology). Please welcome these new students as you interact with them in the coming months!

Finally, many thanks to the Admissions Committee members:

Dr. Ralph Tripp, Dr. John Wagner, Dr. Jason Zastre and Dr. Marsha Black for their service to the ITP!



John J. Wagner
ITP Graduate Coordinator and Professor of Physiology & Pharmacology



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

College of Public Health

Marsha Black, Environmental Health Science
Stuart Feldman, Health Policy and 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
Jia-Sheng Wang, Department Head, Environmental Health Science
Phillip Williams, Dean, College of Public Health
John Yu, Environmental Health Science

College of Veterinary Medicine

Julie Coffield, Physiology & Pharmacology; Associate Dean, Graduate School
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

Franklin College of Arts and Sciences

Lisa Donovan, Dept. of Plant Biology
Anne O. Summers, Dept. of Microbiology
Shanta Dhar, Chemistry

Odum School of Ecology

Stacey Lance, Savannah River Ecology Lab
Tracey Tuberville, Savannah River Ecology Lab

R. C. Wilson College of Pharmacy

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

Warnell School of Forestry & Natural Resources

Robert Bringolf, Warnell School of Forestry & Natural Resources

Auburn University, AL

Robert Arnold, Auburn Univ., Dept. of Drug Discovery and Development

FDA

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

USDA

Ronald T. Riley, Ret., Toxicology & Mycotoxin Research
Kenneth A. Voss, Toxicology & Mycotoxin Research

FACULTY RESEARCH HIGHLIGHTS



Lisa Donovan

My area of research is plant ecological and evolutionary physiology. If you look at plants, there is an amazing variety of plant morphological and physiological traits, and some traits appear to be associated with particular habitats, growth forms, and ecological strategies. Which individual traits or suites of traits are most important for determining plant ecological and evolutionary success in different habitats? Are the traits that confer stress resistance unique to each stress or are there generalities? Do important traits have a similar genetic architecture in most plants, or have there been multiple evolutionary solutions to achieving particular trait states and combinations of traits? These questions have long fascinated me and I am currently pursuing them in a study system consisting mostly of wild and cultivated sunflowers, and focusing on the eco-physiological and genetic basis of stress resistance (e.g. drought, low nutrient, salinity resistance). My hope is that answers to these questions will allow us to better understand natural plant communities and their ability to persist in the face of global change, and to contribute to breeding of more stress resistant food crops.

Selected Publications:

Dr. Donovan is the author/co-author of over 100 peer-reviewed publications. A complete list of published works can be found at: https://www.researchgate.net/profile/Lisa_Donovan.

Most recent publication: "Evolutionary Divergences in Root Exudate Composition among Ecologically-Contrasting Helianthus Species." Alan W Bowsher · Rifhat Ali · Scott A Harding · Chung-Jui Tsai · Lisa A Donovan

Dr. Guo received his doctorate in Pathology and Immunotoxicology from Albany Medical College in 1996 and was a postdoctoral fellow at the University of Pennsylvania between 1996-1998. Dr. Guo is a certified diplomate of American Board of Toxicology since 2010.

His research areas include immunotoxicology of environmental and therapeutic agents (e.g., endocrine disruptors, nanobiomaterials) and the underlying mechanisms leading to exacerbation of various diseases (diabetes, asthma etc.), and he has been an active member of Society of Toxicology since 1994. His research is supported by NIH, USDA and industry.

Teaching Experience:

Dr. Guo actively participates and contributes to graduate and post-graduate education. As a member of the Graduate Faculty since 2005 in MC/VCU and 2012 in UGA, he has been continuously sponsoring and mentoring students for graduate research (both Ph.D. and MS students). Dr. Guo has served on the Editorial Board of Toxicological Sciences and is an Associate Editor for BMC Pharmacology and Toxicology. Dr. Guo is directing the doctoral research for three Ph.D. students as part of VETM 9000, and directing the undergraduate cell biology research as part of CBIO 4980. Dr. Guo is also serving as Ph.D. committee member for other graduate students at UGA. He teaches immunotoxicology, physiology, pathology and cell biology.



Tai Guo

Selected Publications:

Dr. Guo is the author/co-author of over 70 peer-reviewed publications.

Complete list of published works can be found at: <http://www.ncbi.nlm.nih.gov/pubmed/?term=guo+tl>

Areas of Expertise: (Immuno)toxicology, diabetes, asthma.

FACULTY PUBLICATIONS

More than 250 articles have been published by our faculty over the past 12 months. Please visit our website for a complete list of faculty publications during the last year.

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



Anna Hejl Adetona



Manoj Amaraneni



Chen Chen



Yingjia Chen



Hunter Connell



Elizabeth Dudley



Ahmed El Zowalaty



Donna Glinski



Forrest Goodfellow



Eric Goolsby



Min-su Kang



Ramya Kolli



Rong Li



Shangtao Liang



Liyun Liu



Lisa Luo



Ryan Mote



Adrian Moore



Collin Preston



Natalie Scholpa



Pencheng Tu



Matthew Ulrich



Rahat Wadhwa-Desai



Jincheng Wang



Zidao Wang



Robby Williams



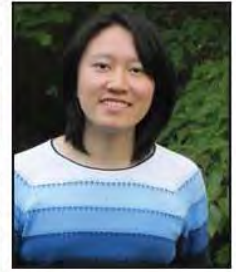
Rachel Worley



Xian Wu



Joella Xu



Kathy Xue

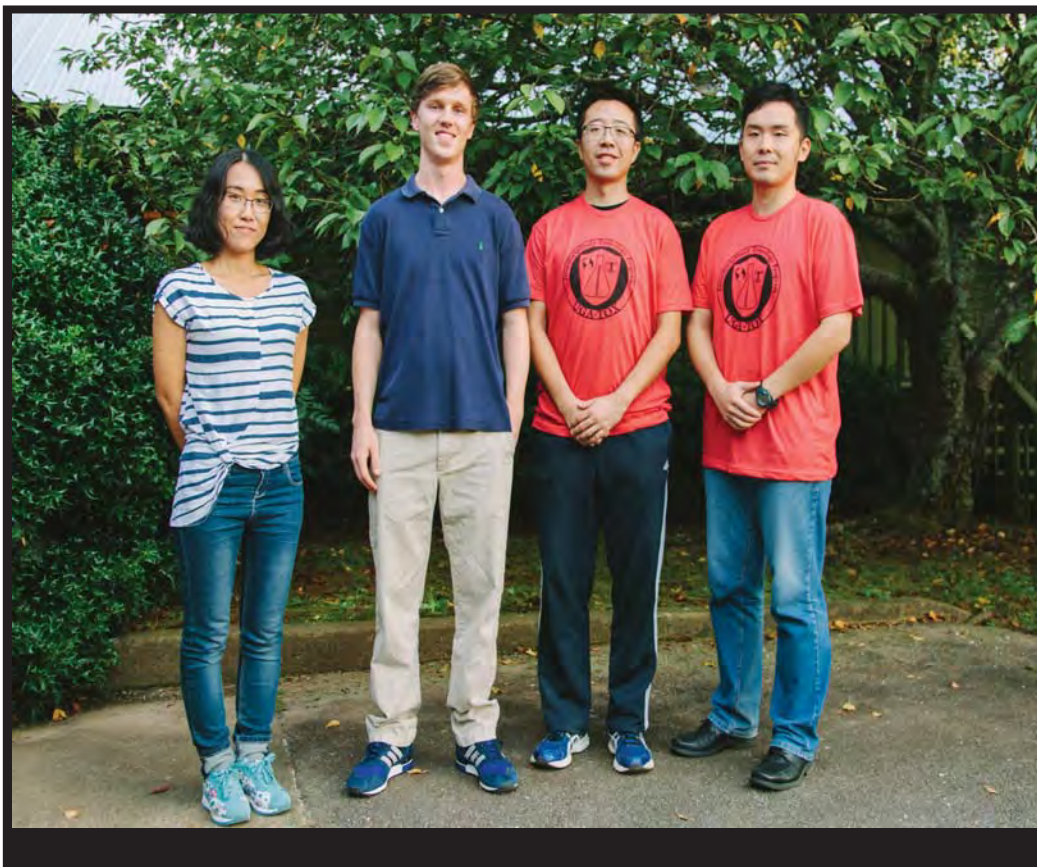


Jun Zhou

ITP 2015—2016 CLASS



UGATOX



2015-2016 UGATOX OFFICERS.

Pictured, L to R:

TREASURER YINGJIA CHEN; VICE PRESIDENT MATT URICH; PRESIDENT JINCHENG WANG; SECRETARY JUN ZHOU

Starting from this academic year, UGATOX is re-establishing our commitment to ITP community, which is to encourage excellence in education, research, and professionalism in Toxicology related fields at the University of Georgia through fellowship and outreach. We picked up our traditional thanksgiving potluck and bowling social to enhance the bonding of ITP members. We organized the first UGATOX Outstanding Student Paper Award competition for the recognition of the efforts of UGA students. We are going to establish a Student Mentor Program to help new students adapting with ITP program and organize more academic and career related seminars for the whole community.



Jincheng

UGATOX Bowling Night, Spring 2016.

STUDENT PRESENTATIONS & AWARDS

REGIONAL

Deep South Center for Occupational Health and Safety 2016 Research Symposium, Birmingham AL.

Anna Adetona The Effect of Work Task and Smoke constituents on Inflammation in Firefighters.
Advisor: Luke Naehrer

Southeastern Society of Toxicology, Athens GA

Yingjia Chen Modulation of the Maillard Reaction Products (MRPs) Induced Cytotoxicity by Reaction Conditions and Genistein. Advisor: Tai Guo

Joella Xu The Effects of Bisphenol A on the Gut Microbiome and Type 1 Diabetes in Non-obese Diabetic (NOD) Mice Advisor: Tai Guo

NATIONAL

Endocrine Society Annual Meeting, Boston, MA

Rong Li Neuronal Defects in Olfactomedin 1 Deficient Female Mice with Impaired Fertility and Pubertal Development. Advisor: Xiaoqin Ye

Society of Environmental Toxicology and Chemistry, Salt Lake City, UT

Adrian Moore Nitrate- and Estrogen-induced Endocrine Disruption in the Fathead Minnow (*Pimephales promelas*). Advisor: Robert Bringolf

Society of Toxicology 54th Annual Meeting, San Diego, CA

Ramya Kolli Bromate Induced Alterations in the Renal Expression of Cyclin-Dependent Kinase Inhibitors via Epigenetic Mechanisms. Advisor: Brian Cummings

Manoj Amaraneni Determination of Concentration and Free Fraction Dependent Uptake of Deltamethrin (DLM) in Adult Male Sprague-Dawley Rats Using an In Situ Brain Perfusion Technique. Advisor: Jim Bruckner

Jincheng Wang Metagenomics Analyses of Phylogenetic and Functional Genomic Changes in Rat Gut Microbiota Induced by Green Tea Polyphenols. Advisor: Jia-sheng Wang

Kathy Xue Validation of Dried Blood Spot Method for Detection of Aflatoxin B1-Lysine Adduct in Animals and Humans. Advisor: Jia-sheng Wang

EMERGING LEADERS

Two ITP students were chosen to participate in the Emerging Leaders Program. This program offers sessions about leadership skills and professional development necessary for entering a workplace characterized by diversity of people, career opportunities, and ever increasing responsibilities.

Xian Wu:

“The Emerging Leaders program provided me a great opportunity to explore leadership skills outside academic training. I am impressed by the session of personality inventories, which helped me better understand myself and further provided me the practical knowledge to be a leader in a team. Also, I learned the importance of always showing respect for team members and their skills to maximize their ability to work as a team. Finally, the program is a perfect opportunity to network and make friends with students from other disciplines on campus. I really enjoyed talking and getting to know each other on a cool afternoon on the lake with the sunset not far away!”

Rahat Wadhwa-desai:

“Emerging Leaders was a great experience both in terms of recognizing my leadership strengths as well as weaknesses. It was a great opportunity to personally interact with the Deans of Graduate School, and selected student leaders from wide-ranging disciplines. It was a very thorough effort by the UGA Graduate School and students to groom the next generation of thoughtful leaders. I consider myself very lucky to have been a part of this!”

STUDENT PRESENTATIONS & AWARDS

2016 SPRING WORKSHOP:

PLATFORMS

Ramya Kolli

Bromate-Induced Alterations In The Renal Expression Of Cyclin-Dependent Kinase Inhibitors Via Epigenetic Mechanisms **SECOND PLACE**

Jincheng Wang

Metagenomics Analyses Of Phylogenetic And Functional Genomic Changes In Rat Gut Microbiota Induced By Green Tea Polyphenols **FIRST PLACE**

POSTERS

Hunter Connell

The Effects of Thiamine Pyrophosphokinase-1 on Malignant Growth **FIRST PLACE**

Matthew Urich

Metabolic Profiles of Intersex Largemouth Bass: Toward Development of a Non-lethal Biomarker **SECOND PLACE**

Xian Wu

P-450 Activity in Human Pluripotent Stem Cell Derived Astrocytes is Protective of Neuron Neurite Outgrowth Inhibition when Exposed to Chlorpyrifos **THIRD PLACE**

OTHER AWARDS:

Forrest Goodfellow - 2016 Ph.D. First Place E. Broadus Browne Award. Athens. Advisor - Steve Stice.

Ramya Kolli - 2nd Place in Renal Toxicology Mechanisms Award, SOT, New Orleans LA 2016; 2nd Place in Poster, at the Interdisciplinary Toxicology Program Spring Workshop, Athens GA 2015

Robert Williams - 2nd Place, Graduate Student Poster, Science of Veterinary Medicine Symposium. Athens. Advisor - Robert Gogal.

Rachel Worley - 2016 SOT Biological Modeling Specialty Section Perry J. Gehring Student Award; 2016 UGATOX Outstanding Student Paper Award. Advisor - Jeffrey Fisher.



Dr. Cummings presents Ramya Kolli with the Renal Toxicology Fellowship Award, SOT.



Matthew Urich presents Rachel Worley with the 2016 UGATOX Outstanding Student Paper award.



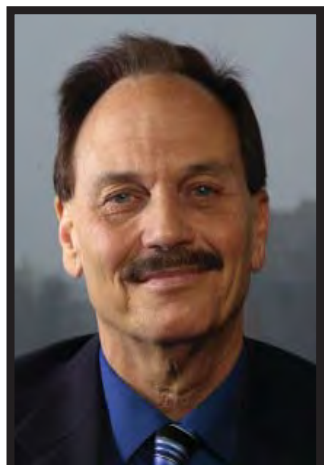
Dr. Cummings presents Hunter Connell the 1st Place Poster Award, Spring Retreat 2016.

GUEST LECTURERS



As Deputy Director of NIEHS, Richard Woychik, Ph.D., assists the NIEHS and the National Toxicology Program Director, Linda Birnbaum, Ph.D., in the formulation and implementation of plans and policies necessary to carry out the NIEHS missions.

Pictured: Dr. Brian Cummings and Dr. Richard Woychik



Dr. Rodney Dietert, Ph.D. is Professor of Immunotoxicology in the Department of Microbiology and Immunology at Cornell University, Ithaca, NY and has been on the Cornell faculty for 37 years. He has more than 300 publications with the majority focused on prevention of non-communicable diseases

Pictured: Dr. Brian Cummings and Dr. Rodney Dietert



EXECUTIVE COMMITTEE

Members: Brian Cummings, Mary Alice Smith, J.S. Wang, Ray Noblet, Robert Bringolf, Nik Filipov, Jim Bruckner and Ron Riley. Discussions this year focused primarily on the 7 Year Review and the new EHS toxicology course that will replace "Introduction to Tox."



Brian Cummings, Jim Bruckner and Ron Riley



Spring Retreat Lunch



Spring Retreat

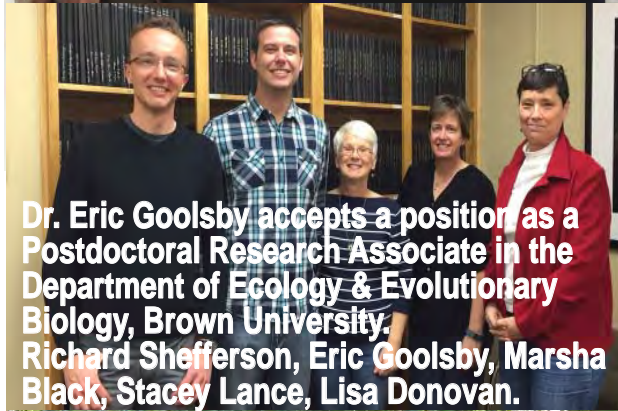
2015-16 GRADUATES



Chen Chen, M.S., and his Advisory Committee members Jim Bruckner, Cathy White and Randall Tackett.



Elizabeth Dudley, M.S., with Advisory Committee members Mary Alice Smith, Shelley Hooks, Elizabeth, and Dr. Xiaoqin Ye.



Dr. Eric Goolsby accepts a position as a Postdoctoral Research Associate in the Department of Ecology & Evolutionary Biology, Brown University. Richard Shefferson, Eric Goolsby, Marsha Black, Stacey Lance, Lisa Donovan.



Dr. Min-su Kang with Advisor Dr. Jia-sheng Wang.



Dr. Rong Li with Advisory Committee members Nikolay Filipov, Julie Coffield, Xiaoqin Ye, Rong, Mary Alice Smith and Jia-sheng Wang.



Dr. Liyun (Maggie) Liu with Advisory Committee members Xiaoqin Ye, Julie Coffield, Maggie, Steven Stice, Shelley Hooks and Nikolay Filipov.



Dr. Qi (Lisa) Luo. Advisor Qingguo Huang. Lisa is a Research Assistant, at the University of Georgia, Griffin.



Dr. Natalie Scholpa with Advisor Dr. Brian Cummings. Natalie is currently a Post-Doctoral Fellow at MUSC, Charleston, SC.



Dr. Rahat Wadhwa-Desai with Advisory Committee members John Yu, Ron Riley, Rahat, Mary Alice Smith, and Jia-sheng Wang.



Hongye Wei, M.S., and her Advisory Committee members John Yu, Mary Alice Smith, Hongye and Xiaoqin Ye.

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ALUMNI UPDATES

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|-------------------------------|---|
| Olorunfemi Adetona | Asst. Professor, EHS, Ohio State Univ., Columbus, OH |
| Kwaku Agyekum | Founder, ToxGlobal.com |
| Suzanne Baird | MACTEC, Amherst, MA |
| Jason Boyd | USRA Division of Space Life Sci., Houston, TX |
| Windy Boyd | Health Scientist, OHAT, National Toxicology Program, NIEHS, RTP, NC |
| Jerry Campbell | Manager, Ramboll Environ, Raleigh, NC |
| Deborah Cartwright-Iwanowicz | US Geological Survey - Leetown Science Center, Kearneysville, WV |
| Chen Chen | Computer Science Ph.D. Program, UGA |
| Adwoa A. Commodore | Medical Univ. of S.C., Public Health Sciences, Charleston, SC |
| Deanna Conners | Science Writer and Editor, Eggertsville, NY |
| Amy Dixon Delinsky | US EOA, 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 |
| John Finger | Postdoctoral Fellow, Dept. of Biological Sciences, Auburn, AL |
| Eric Goolsby | Postdoctoral Fellow, Dept. of Ecology & Evolutionary Biology, Brown University, RI |
| Xianglu Han | Dow Chemical, Midland, MI |
| Peter Hazelton | Aquatic Toxicologist, Mass Division of Fisheries & 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 |
| Joseph Iburg | Research Professional, UGA |
| Victor Johnson | Director of Operations, Burleson Research Technologies, Inc., RTP, N.C. |
| Lakshmi Kelamangalath | Study Director, Covance, Inc., Greenfield, IN |
| Kristen Kellock | Toxicologist, Michigan Department of Environmental Quality, Lansing, MI |
| Madhusudhanan K. Mathilakath, | Postdoctoral Assoc., Neuroscience Dept., Baylor College of Medicine, Houston, TX |
| Sang Hyun Kim | Drug Metabolism Team, NITR Korea Food & Drug Administration, Seoul, Korea |
| Jiyoung Kim | Research Assistant Professor, Research Institute for Veterinary Science, Seoul National University, Seoul, Korea |
| Brad Konwick | KADAS Environmental Engineering, Richland, VA |
| Kevin Koporec | US EPA, Atlanta, GA |
| Soo Kwang Lee | Food and Drug Administration, Johns Creek, GA |
| Zhoumeng Lin | Assistant Professor of Pharmacology and Toxicology, Kansas State University, Manhattan, KS |
| Suyang Liu | Lab Assistant, EHS, UGA, Athens, GA |
| Michael Lumpkin | Sr. Toxicologist, CTEH, Little Rock, AR |
| Lisa Luo | Research Assistant, CAES, UGA |
| 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 | PhD Student, University of Maryland, Rockville, MD |
| Kristi Manning Folden | Technical Sales, OLIS, Inc., Bogart, GA |
| Carrie Marr | Wildlife Biologist, US Fish and Wildlife Service, Phoenix, AZ |
| Sheppard Martin | Toxicologist, Proctor & Gamble Co., Cincinnati, OH |
| Judy Mathew | Director Clinical Operations, RFS Pharma, Tucker, GA |

ALUMNI UPDATES (Cont.)

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|--------------------------|--|
| Eva Daneke McLanahan | CDC, Agency for Toxic Substances and Disease Registry, Atlanta GA |
| Brooks McPhail | ORISE Post-doctoral Fellow at Centers for Disease Control, Atlanta, GA |
| Emily McReynolds | Tutor, Cherney Microbiological Services & Upward Bound, Clovis, NM |
| Paul C. Melstrom | Epidemiologist/Toxicologist, CDC and Prevention, Atlanta, GA |
| Dean Meyer | Toxicology Editor, Edanz Group,. Atlanta, GA |
| Jay Overmyer | Syngenta, Research Triangle Park, NC |
| Palak Patel | Sr. Outcomes Research Mgr., Grady Hospital, Atlanta, GA |
| 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, Dept. of Biology, Univ. of South Carolina, Aiken, SC |
| Arena Richardson Jackson | Georgia State University, Atlanta, GA |
| Emily Rogers | Research Assoc., Oak Ridge National Laboratory, Oak Ridge, TN |
| Suparna Sarkar | Instructor, Barbara Davis Center for Diabetes, University of Colorado Anschutz Medical Campus, Aurora, CO |
| Natalei Scholpa | Postdoctoral Fellow, MUSC, Charleston, SC |
| Pankaj Sethi | Contractor, US EPA, Athens, GA |
| Neelesh Sharma | Asst. Professor, Medical Oncology, Case Western Reserve Univ., Cleveland, OH |
| Patricia Shaw-Allen | US EPA, Research and Development, Cincinnati, OH |
| W. Aaron Shoults-Wilson | Asst. Professor, Roosevelt University, Chicago, IL. |
| Gideon St. Helen | Asst. Professor, Dept. of Medicine, UCSF, San Francisco, CA |
| Bin Sun | Product Safety Scientist, New Chapter, Inc., Brattleboro, VT |
| Matthew Taylor | Sr. Regulatory Specialist, Abbott Nutrition, Columbus, OH |
| 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 |
| Tara Almekinder Vogelien | Director Toxicology and Clinical Safety, Business and Research Administration NC Research Campus, Kannapolis, NC |
| Aswani Vunnava | Department of Microbiology and Immunology, Emory, Atlanta, GA |
| Angel Kelsey Wall | Savannah River Nuclear Solutions, Aiken, SC |
| Hongye Wei | Student, UGA, Athens GA |
| Denita Williams | Toxicologist, Huntingdon Life Sciences, Somerset, NJ |
| Lonnie Williams | Sr. Toxicologist, Halyard Health, Alpharetta, GA |
| Shuo Xiao | Postdoctoral Fellow, Northwestern Univ. Medical School, Chicago, IL |
| Li Xu | Postdoctoral Fellow, Univ. of Texas MD Anderson Cancer Center, Houston, TX |
| Neera Chhabra Young | Science Teacher, Lakeside HS, Augusta, GA |
| Xiaoling Zhang | Postdoctoral Fellow, University of Pennsylvania |
| Fei Zhao | Postdoctoral Fellow, Reproductive Developmental Biology, NIEHS, RTP, NC |

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://gail.uga.edu/page.aspx?pid=458>. Type Interdisciplinary Toxicology Program in the “Special Instructions/Comments” field. 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, 250 W. 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!!

TOXICOLOGY SNAPSHOTS



INTERDISCIPLINARY TOXICOLOGY PROGRAM ALUMNI

1997

Jerry Campbell, M.S.
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

Neera Vintra Gopee, Ph.D.
Taras K. Oleksyk, Ph.D.
Suparna Ajoy Sarkar, Ph.D.

2002

Windy Ann Boyd, Ph.D.
Gregory Patrick Dooley, M.S.
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 Connors, Ph.D.
Amy Dixon Delinsky, Ph.D.
Amber Lynn Graves, M.S.
Xianglu Han, M.S.
Quanren He, Ph.D.
Jiyoung Kim, Ph.D.
Brad Konwick, M.S.
Elizabeth Ann Richardson, M.S.
Emily Dawn Rogers, M.S.
Olga Vasylyivna 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.
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

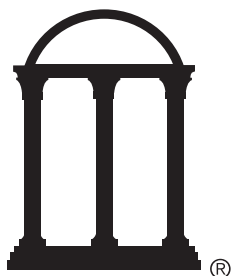
John Finger, Ph.D.
Joseph Iburg, Ph.D.
Madhusudhanan M. Keralapurath, Ph.D.
Palak Patel, Ph.D.
Fei Zhao, Ph.D.

2015

Chen Chen, M.S.
Elizabeth Dudley, M.S.
Dean Meyer, Ph.D.
Qi (Lisa) Luo, Ph.D.
Natalie Scholpa, Ph.D.
Hongye Wei, M.S.

2016

Eric Goolsby, Ph.D.
Min-su Kang, Ph.D.
Rong Li, Ph.D.
Liyun Liu, Ph.D.
Rahat Wadhwa Desai, Ph.D.



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