



UNIVERSITY OF GEORGIA

Interdisciplinary Toxicology Program

2023 Digest



UNIVERSITY OF GEORGIA

Interdisciplinary Toxicology Program

The Interdisciplinary Toxicology Program

College of Veterinary Medicine

501 D.W. Brooks Drive Building 1070 Rm. 2120

Athens, GA 30602

www.toxicology.uga.edu 706-583-0058

Nick Filipov, Director

Tai Guo, Graduate Coordinator

Wanda Darden, Administrative Specialist II

Executive Committee Members:

Franklin West, College of Agricultural and Environmental Sciences

Benjamin Parrott, Odum School of Ecology

Cathy White, College of Pharmacy

Jia-Sheng Wang, College of Public Health

Ron Riley, Ret., USDA

Anumantha Kanthasamy, College of Veterinary Medicine

Curriculum Committee:

Nick Filipov, College of Veterinary Medicine

Jason Zastre, College of Pharmacy

Robert Bringolf, Warnell School of Forestry and Natural Resources

Xiaoqin Ye, College of Veterinary Medicine

Anne Summers, Franklin College of Arts and Sciences

Stacey Lance, Savannah River Ecology Lab

Admissions Committee:

Tai Guo, College of Veterinary Medicine, Chair

Robert Gogal, College of Veterinary Medicine

Wentao Li, College of Public Health

Jason Zastre, College of Pharmacy

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Greetings ITP!

This is my first “Letter from the Director” since assuming the position in February. Throughout the year, our Interdisciplinary Toxicology Program continued to function well and grew in both student and mentor numbers. Soon after my appointment, Dr. Tai Guo (Biomedical Sciences, College of Veterinary Medicine) assumed the duties of Graduate Coordinator for the Program and has been instrumental for the program’s reinvigorated recruitment efforts. Dr. Benjamin Parrott (Odum School of Ecology, SREL) and Dr. Anumantha Kanthasamy (CNDR/Physiology and Pharmacology, College of Veterinary Medicine) are the new members of the ITP’s Executive Committee. We also had several new faculty (Xi, Richardson, Liu, Li), who joined the ITP (see the Newsletter); their addition grows the ITP mentor pool and mentorship opportunities for our students.

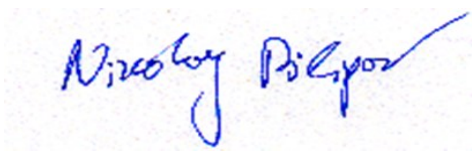
Following up on our return to in-person activities in 2022, in 2023, we had successful Spring Workshop and Fall Welcome Back ITP events. ITP students were able to showcase their work and enjoy time together and with their mentors. The Spring Workshop was also an opportunity to express the appreciation of Program and the Graduate School for the time and effort Dr. John Wagner, the ITP’s Interim Director, put in to assure its successful functioning during trying times.

In addition to our ITP activities, UGA hosted the Annual Meeting of the Southeast Chapter of the Society of Toxicology (SESOT). Dr. Wang, as SESOT President, was the meeting organizer and the ITP, especially our valued Administrative Specialist, Wanda Darden, made sure that the meeting went smooth, which it did. This regional meeting was another opportunity for our students to hone their presentation skills and compete for awards, which they did successfully.

In 2023, seven new students joined the ITP. Notably, several of our excellent students successfully defended their dissertations (see the Newsletter) and are now showcasing the ITP in their young toxicologist careers; they have joined their ITP Alumni Fellows, which are 130+ strong!

Finally, I want to acknowledge the multi-level support that the Graduate School provides to ITP and to encourage continued active participation of every ITP member in our activities.

Sincerely,



Nick Filipov, ITP Director



Graduate Coordinator Notes

The following is a brief summary of the ITP for 2023-2024 academic year:

Ph.D. degrees (4) earned this past year:

Hannah Xu (Dr. Tai Guo), Biomedical Sciences, CVM

Naomi Kramer (Drs. Brian Cummings and John Wagner), Pharmaceutical & Biomedical Sciences, Pharmacy

Gershon Mensah (Drs. Arthur Roberts and Michael Bartlett), Pharmaceutical & Biomedical Sciences, Pharmacy

Jacob Siracusa (Drs. Tai Guo and Robert Gogal) Biomedical Sciences, CVM

Advanced to Doctoral Candidacy (5) this year:

Jonathan Hancock (Dr. Xiaoqin Ye), Physiology and Pharmacology, CVM

Taylor Martin (Dr. Xiaoqin Ye), Physiology and Pharmacology, CVM

Michael O'Brien (Dr. Luke Naeher) Environmental Health Sciences, CPH

Seth Taylor (Dr. Lili Tang), Environmental Health Sciences, CPH

Alejandra BARGUES-CAROT (Dr. Amumantha Kanthasamy), CNDR, Physiology and Pharmacology, CVM

ITP accepted 8 new students for Fall 22-23:

David Benson (Dr. Lili Tang), CNDR, Physiology and Pharmacology, CPH

Arina Chernikova (Dr. Charles Easley), Environmental Health Sciences, CPH

Danielle Jiang (Dr. Tai Guo), Biomedical Sciences, CVM

Emma Jones (Dr. Franklin West), Animal and Dairy Science, CAES

Trevor Kalinowski (Dr. Nick Filipov), Physiology and Pharmacology, CVM

Maria Levy (Dr. Franklin West), Animal and Dairy Science, CAES

Jesse Riker (Dr. Tai Guo), Biomedical Sciences, CVM

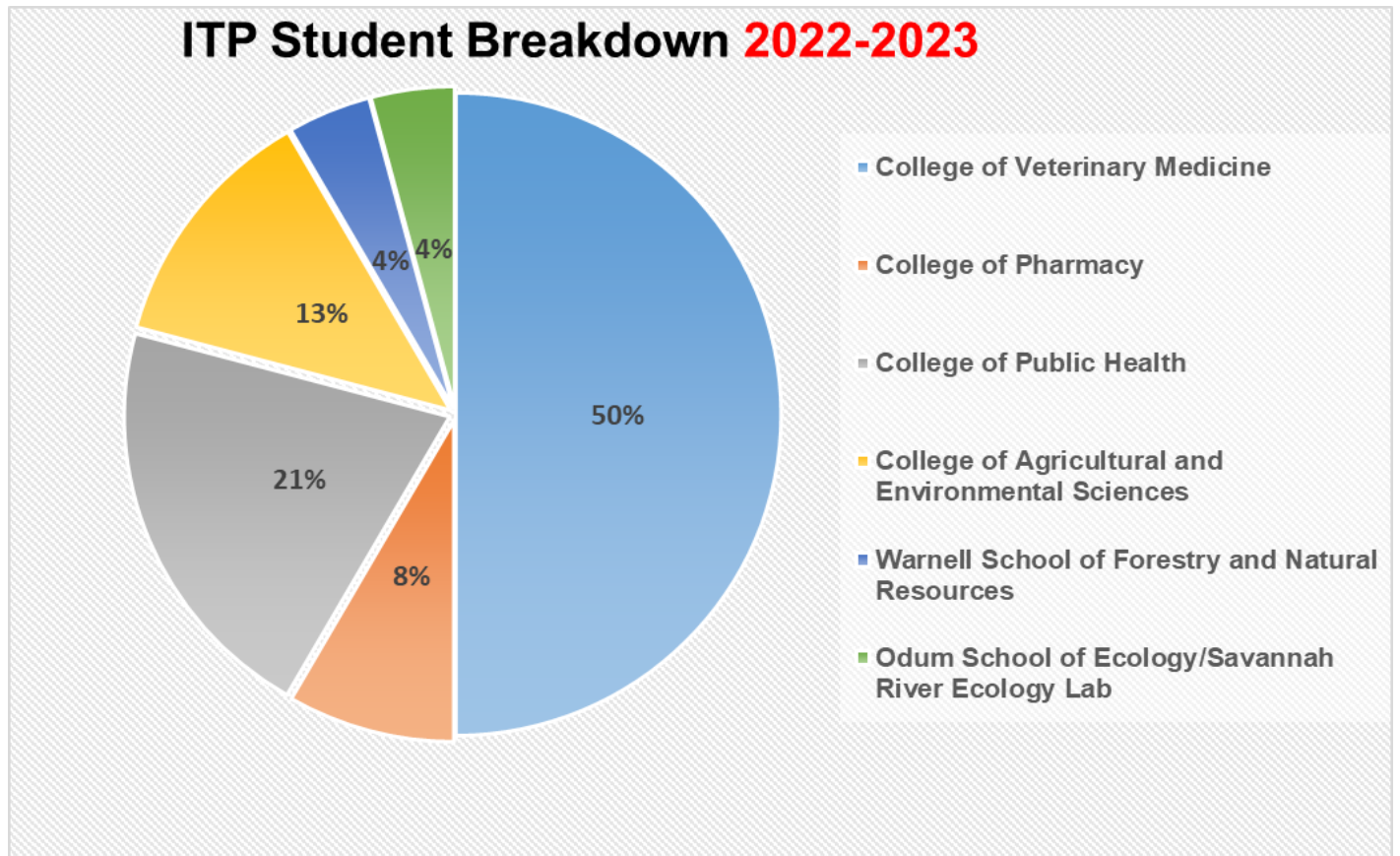
Jenna Wilson (Dr. Nick Filipov) Physiology and Pharmacology, CVM

Dr. Tai Guo

Graduate Coordinator of the Interdisciplinary Toxicology Program



Graduate Coordinator Report



- **24 Students**
- **8 Incoming students**
- **96:4 %; PhD: MS**
- **50:50 %; F:M**
- **66.7:33.3 %; US: International**
- **17 mentors; 7 departments**

College of Agricultural and Environmental Sciences

Sayed Hassan, Crop & Soil Sciences
Qingguo (Jack) Huang, Crop & Soil Sciences
Steve Stice, Director, Regenerative Bioscience Center
William Vencill, Crop & Soil Sciences
Franklin West, Animal & Dairy Science

College of Public Health

Marsha Black, Environmental Health Science (Ret)
Chas Easley, Environmental Health Science
Travis Glenn, Environmental Health Science
Wentao Li, Environmental Health Science
Erin Lipp, Environmental Health Science
Luke Naeher, Environmental Health Science
Mary Alice Smith, Environmental Health Science (Ret)
Lili Tang, Environmental Health Science
Jia-Sheng Wang, Environmental Health Science
Phillip Williams, Dean Emeritus, College of Public Health

College of Veterinary Medicine

Julie Coffield, Physiology & Pharmacology (Ret)
Gaylen Edwards, Department Head, Physiology & Pharmacology
Paul Eubig, Physiology & Pharmacology
Nikolay Filipov, Physiology & Pharmacology
Robert Gogal, Biomedical Sciences
Tai Guo, Biomedical Sciences
Steve Holladay, Department Head, Biomedical Sciences
Elizabeth Howerth, Pathology
Anumantha Kanthasamy, Physiology & Pharmacology
Arthi Kanthasamy, Physiology & Pharmacology
Shaolin Liu, Physiology & Pharmacology
Jason Richardson, Physiology & Pharmacology
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

Anne O. Summers, Dept. of Microbiology

Odum School of Ecology

Stacey Lance, Savannah River Ecology Lab
Ben Parrott, Savannah River Ecology Lab

R.C. Wilson College of Pharmacy

Michael Bartlett, Pharmaceutical & Biomedical Sciences
James Bruckner, Pharmaceutical & Biomedical Sciences (Ret)
Arthur Roberts, Pharmaceutical & Biomedical Sciences
Randall L. Tackett, Clinical & Administrative Pharmacy
Catherine White, Pharmaceutical and Biomedical Sciences
Yaguang Xi, Pharmaceutical and Biomedical Sciences
Jason Zastre, Pharmaceutical & Biomedical Sciences

Warnell School of Forestry & Natural Resources

Robert Bringolf, Warnell School of Forestry & Natural Resources
Tracey Tuberville, Savannah River Ecology Lab
Xiaoyu Xu, Savannah River Ecology Lab
Peter Hazelton, Warnell School of Forestry & Natural Resources

Auburn University, AL

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

USDA

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

Wayne State University, MI

Brian Cummings, Wayne State University College of Pharmacy & Allied Health Sciences

New ITP Faculty



Yaguang XI, MD, Ph.D., MBA

Professor

PBS Department Head

UGA Athletic Association Distinguished Professor in Pharmacy
and Pharmaceutical Sciences

Jason Richardson, Ph.D.

Professor

Dianne Isakson Distinguished Professor

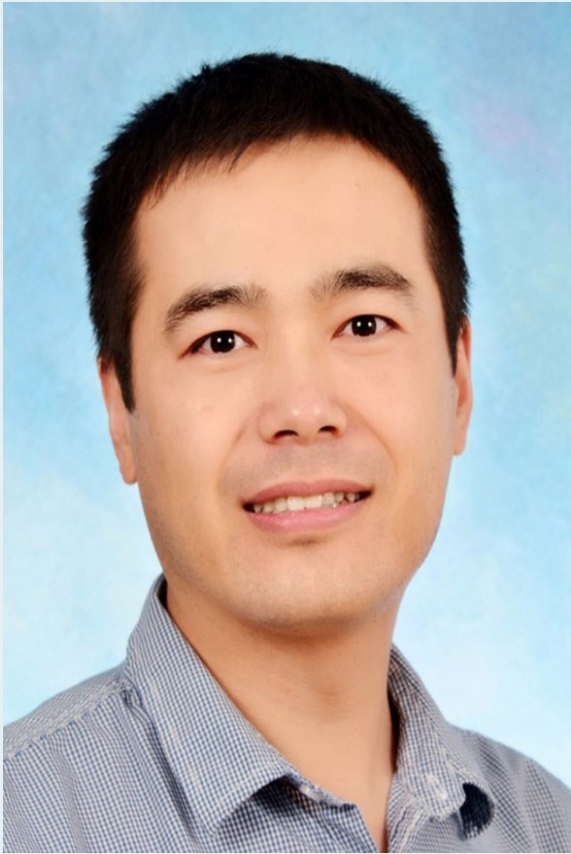
Isakson Center for Neurological Disease Research

Department of Physiology and Pharmacology

College of Veterinary Medicine



New ITP Faculty



Wentao Li, Ph.D.

Assistant Professor

Environmental Health Science

Shaolin Liu, Ph.D.

Associate Professor

Department of Biomedical Sciences/Department of Physiology
and Pharmacology

Center for Neurological Disease Research



Publications

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Baumann C, Zhang X, **Viveiros MM** and De La Fuente R (2023) Pericentric major satellite transcription is essential for meiotic chromosome stability and spindle pole organization. *Open Biology* 13(11):230133. doi: 10.1098/rsob.230133. Epub 2023 Nov 8.

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ITP 2023—2024 CLASS



Blake Benson



Alejandra Barges Carot



Jiaqi Chen



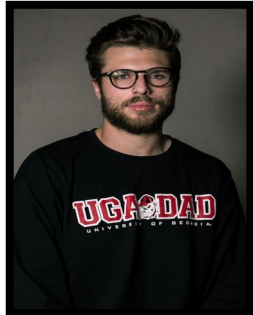
Arina Chernikova



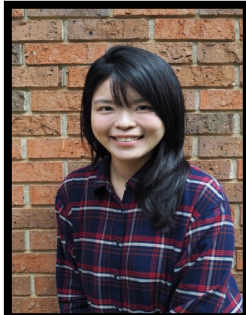
Seth Currie



Fatma Eldefrawy



Jonny Hancock



Danielle Jiang



Emma Jones



Trevor Kalinowski



Maria Levy



Ignacio Llada



Danielle Ludwig



Taylor Martin



Erick Mollinedo



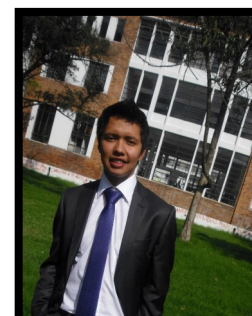
Michael O'Brien



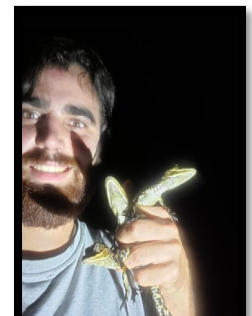
Alyssa Otto



Jesse Riker



Fabian Tejedor Rojas



Ethan Shealy



Jake Smith



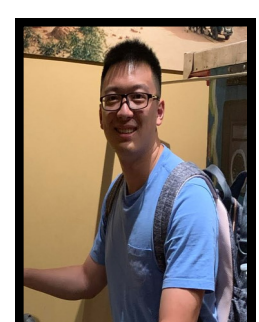
Yufei Sui



Kylie Tager



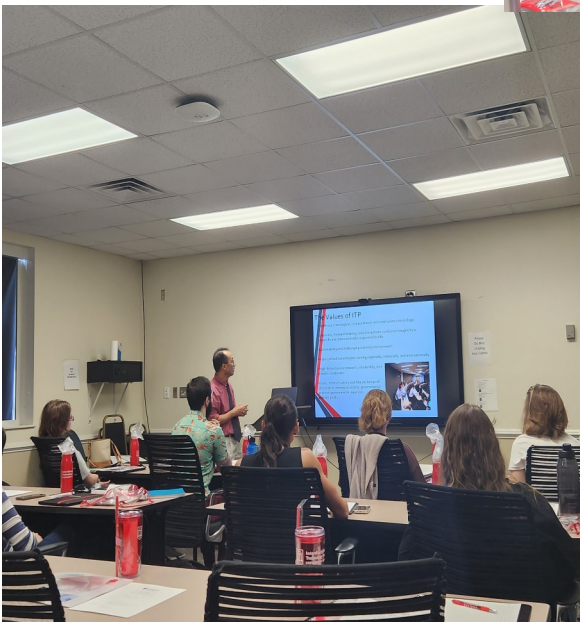
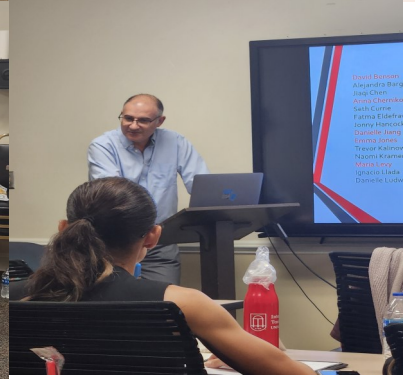
Jenna Wilson



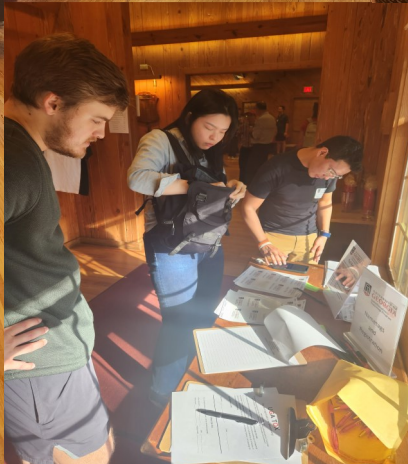
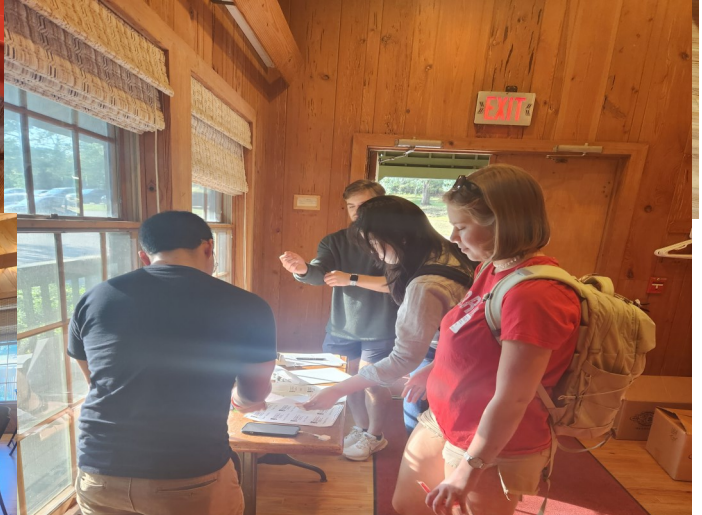
Yuqing Ji



Fall 2023 Orientation



A group of people, including students and staff, are gathered around a long table in a rustic wooden hall, preparing food for a meal. The room has a high wooden ceiling and walls, and the table is covered with various food items and bowls.



ITP Spring Workshop roundtable Discussion

Spring 2023

with Dr. Jim Luyendyk



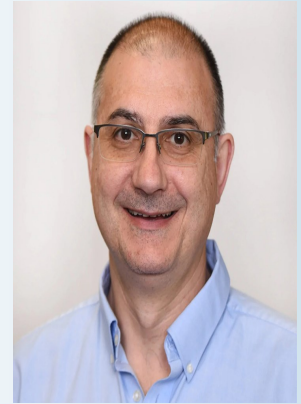
Spring Retreat and Workshop 2023



SESOT annual meeting 2023 UGA Campus



NEW ITP DIRECTOR ANNOUNCED



CONGRATULATIONS, DR. FILIPOV!

Following the recommendation of the Interdisciplinary Toxicology Executive committee, Dean Ron Walcott has appointed Dr. Nikolay Filipov, the new ITP director, effective February 1, 2023.

We are delighted to welcome Dr. Filipov and to see his journey from once being a graduate student in the Toxicology program to now coming full circle with his appointment as its Director.

Dr. Filipov's Key Areas of Focus are to:

- Increase the Program's national and international visibility further (IUTOX, FUTURES events, etc.)
- Facilitate efforts towards additional support for the Program, e.g., ITPhoused T32, by providing input into new faculty recruitment (Strategic Hires)
- Expand the footprint of the program on campus, e.g. engage faculty from the College of Engineering, to meet the increasing demands for interdisciplinary research with translational potential
- Work towards sustainable diversity efforts (e.g., targeted new assistantship)
- Listen to the ITP faculty membership and maintain diverse representation on the Executive and Admissions Committees of the Program
- Have regular interactions and consult with UGATox.

Dr. John J. Wagner

Thank you!

**The Interdisciplinary Toxicology Program
expresses gratitude for your commitment and dedicated service
as Graduate Coordinator and Program Director
from May 2016 to December 2022.**



Student Awards and Recognitions

Spring 2023 ITP Workshop:

Platform presentation winners:

- Seth Currie** **First Place** The stage-specific toxicity of Per-and Polyfluoroalkyl Substances (PFAS) in nematode *Caenorhabditis elegans*". Advisor: **Lili Tang**
- Jacob Siracusa** **Runner up** The effect of Perfluoroalkyl Acids (PFOS and PFBA) on Metabolic and Immune Function and the Gut microbiome in Western Diet Fed Mice". Advisor: **Tai Guo**

Posters presentation winners:

- Ignacio Llada** **First Place** New insights into the poor performance and ruminal-dynamics of ergovaline in steers grazing toxic tall fescue. Advisor: **Nikolay Filipov**
- Alyssa Otto** **First Place** The Effects of Norepinephrine on Phagocytosis of Alpha-Synuclein in Microglial Cells. Advisor: **Anumantha Kanthasamy**
- Ethan Shealy** **Second Place** Integrating epigenetic aging into eco-toxicological and evolutionary frameworks Advisor: **Benjamin Parrott**

Local Awards:

- Fatma Eldefrawy** Graduate Degree accelerator, Fall 2023

Regional Awards:

- Jonathan Hancock** **First place** SESOT PhD poster competition

Student Awards and Recognitions



UGATOX Officers 2023-2024



Pictured L to R:

Social Co-chair Alyssa Otto

Secretary Alejandra BARGUES-Carot

Treasurer Fabian Tejedor-Rojas

President Seth Currie

Vice President Taylor Martin

Social Co-Chair Jonny Hancock

Alumni News



The 2023 Southeastern Region of the Society of Toxicology Fall Meeting was held at the College of Veterinary Medicine.

Dr. Zhoumeng Lin, Associate professor of Environmental and Global Health University of Florida College of Public Health and Health Professions was the keynote speaker



Dr. Lin's research is focused on the development and application of computational technologies, especially physiologically based pharmacokinetic (PBPK) modeling, machine learning, and artificial intelligence approaches, to study nanomedicine, food safety, nanoparticle and chemical risk assessment. He is a co-author of more than eighty peer-reviewed publications. His publications have received several awards, including the Society of Toxicology Biological Modeling Specialty Section Best Paper Award in 2020 and 2022.

He received a B.Med. in Preventive Medicine from Southern Medical University in China in 2009 and a Ph.D. in Toxicology from the University of Georgia in 2013.

**Dr. Victor Johnson (PHD '02) received a very prestigious award at the
March 2023 SOT meeting**



Award:

Outstanding Senior Immunotoxicologist Award presented by the Immunotoxicology Specialty Section (ITSS) of the Society of Toxicology (SOT). Awarded at the SOT meeting in March 2023.

Publications:

1. Johnson VJ, Rider CV, Luster MI, Brix A, Burleson GR, Cora M, Elmore SA, Frawley RP, Lopez FR, Mutlu E, Shockley KR, Pierfelice J, Burbach B, Co CA, Germolec DR. (2023). Immunotoxicity of NButylbenzenesulfonamide (NBBS): Impacts on Immune Function in Adult Mice and Developmentally Exposed Rats. *Toxicological Sciences* 196:71-84.

2. Frawley R, Johnson VJ, Burleson GR, Shockley KR, Cesta MF, Travlos G, Cora M, Roberts G, Germolec D. (2023) Evaluation of Immunotoxicity of Sodium Metavanadate Following Drinking Water Exposure in Female B6C3F1/N Mice in a 28-day Study. *Journal of Applied Toxicology* 43:1686-1701.

3. Strickland J, Allen DG, Germolec D, Kleinstreuer N, Johnson VJ, Gullledge T, Truax J, Lowit A, Dole T, McMahon T, Panger M, Facey J, Savage S. (2022). Application of Defined Approaches to Assess Skin Sensitization Potency of Isothiazolinone Compounds. *Applied In Vitro Toxicology* 8:117-128.

Congratulations to our most recent graduates



Congratulations to Naomi Kramer, an ITP student in the Pharmaceutical and Biomedical Sciences department of the University Of Georgia College Of Pharmacy. On September 15, 2023, she successfully defended Her Dissertation titled: *"Molecular Insights into the Neurotoxicity of Brominated Flame Retardants."*

Naomi's Major professors were Drs. Brian Cummings and John Wagner, her graduate advisory committee comprised of Drs. Xiaoqin Ye and Charles Easley.

Congratulations, Dr. Kramer!



Congratulations to Gershon Mensah, an ITP student in the Pharmaceutical and Biomedical Sciences department of the University Of Georgia College Of Pharmacy. On November 6, 2023, he successfully defended his Dissertation titled: *"Deciphering the Molecular Mechanisms Underlying the Transport of Anti-Tumor Alkaloids by P-Glycoprotein."*

Gershon's Major professors were Drs. Arthur Roberts and Michael Bartlett, his graduate advisory committee comprised of Drs. Xiaoqin Ye, Jeffrey Urbauer, and Robert Gogal

Congratulations, Dr. Mensah!



Congratulations to Jacob Siracusa, an ITP student in the Biomedical Sciences department of the University of Georgia College of Veterinary Medicine. On December 1, 2023, he successfully defended His Dissertation titled: *"The Effects of Perfluorooctane Sulfonate (PFOS) and Perfluorobutanoic Acid (PFBA) on Metabolic and Immunological Functions Associated with the Gut Microbiota in Mice Fed a Western Diet"*

Jacob's Major professors were Drs. Tai Guo and Robert Gogal, his graduate advisory committee comprised of Drs. Lili Tang and Travis Glenn.

Congratulations, Dr. Siracusa!

Toxicology Alumni

Olorunfemi	Adetona	PHD-Doctor of Philosophy	2011
Anna	Adetona	PHD-Doctor of Philosophy	2016
Augustine	Agyekum	PHD-Doctor of Philosophy	2013
Manoj	Amaraneni	PHD-Doctor of Philosophy	2016
Christian	Andersen	PHD-Doctor of Philosophy	2021
Amber	Bacom	MS-Master of Science	2004
Suzanne	Baird	MS-Master of Science	2009
Lillie Marie	Barnett	PHD-Doctor of Philosophy	2021
Elizabeth	Barnwell	PHD-Doctor of Philosophy	2008
Kyle	Brown	PHD-Doctor of Philosophy	2021
Jason	Boyd	PHD-Doctor of Philosophy	2003
Windy	Boyd	PHD-Doctor of Philosophy	2002
Heather	Brant	MS-Master of Science	2004
Tantiana	Burns	PHD-Doctor of Philosophy	2008
Jerry	Campbell	PHD-Doctor of Philosophy	2004
Ilho	Cho	MS-Master of Science	1998
Russell	Cole	MS-Master of Science	2003
Deanna	Conners	PHD-Doctor of Philosophy	2004
Amy	Delinsky	PHD-Doctor of Philosophy	2004
Gregory	Dooley	MS-Master of Science	2002
Shashank	Dravid	PHD-Doctor of Philosophy	2003
Ahmed	El Zowalaty	PHD-Doctor of Philosophy	2017
Nikolay	Filipov	PHD-Doctor of Philosophy	1998
John	Finger	PHD-Doctor of Philosophy	2014
Kristi	Folden	MS-Master of Science	2003
Donna	Glinski	PHD-Doctor of Philosophy	2017
Forrest	Goodfellow	PHD-Doctor of Philosophy	2017
Eric	Goolsby	PHD-Doctor of Philosophy	2016
Neera	Gopee	PHD-Doctor of Philosophy	2002
Cory	Gresham	PHD-Doctor of Philosophy	2013
Xianglu	Han	MS-Master of Science	2004
Curtis	Harris	PHD-Doctor of Philosophy	2008
David	Haskins	PHD-Doctor of Philosophy	2021
Peter	Hazelton	PHD-Doctor of Philosophy	2013
Quanren	He	PHD-Doctor of Philosophy	2004
William	Henderson	PHD-Doctor of Philosophy	2006
Ofia	Hodoh	MS-Master of Science	2002
Ryan	Holem	MS-Master of Science	2005
Joseph	Iburg	PHD-Doctor of Philosophy	2014
Deborah	Iwanowicz	PHD-Doctor of Philosophy	2007
Arena	Jackson	PHD-Doctor of Philosophy	2010
Victor	Johnson	PHD-Doctor of Philosophy	2002
Ghanashyam	Joshi	MS-Master of Science	2010
Minsu	Kang	PHD-Doctor of Philosophy	2016
Katherine	Kearns	PHD-Doctor of Philosophy	2022

Lakshmi	Kelamangalath	PHD-Doctor of Philosophy	2008
Kristen	Kellock	PHD-Doctor of Philosophy	2013
Kyu-Bong	Kim	PHD-Doctor of Philosophy	2007
Jiyoung	Kim	PHD-Doctor of Philosophy	2004
John	Kind	PHD-Doctor of Philosophy	2000
Ramya	Kolli	PHD-Doctor of Philosophy	2017
Brad	Konwick	MS-Master of Science	2005
Naomi	Kramer	PHD-Doctor of Philosophy	2023
Sookwang	Lee	PHD-Doctor of Philosophy	2007
Karen	Lehocky	MS-Master of Science	1999
Rong	Li	PHD-Doctor of Philosophy	2016
Shangtao	Liang	PHD-Doctor of Philosophy	2017
Zhoumeng	Lin	PHD-Doctor of Philosophy	2013
Liyun	Liu	PHD-Doctor of Philosophy	2016
Suyang	Liu	MS-Master of Science	2010
Michael	Lumpkin	PHD-Doctor of Philosophy	2002
Hongbo	Ma	PHD-Doctor of Philosophy	2009
Audrey	Majeske	MS-Master of Science	2003
Carrie	Marr	MS-Master of Science	2000
Sheppard	Martin	PHD-Doctor of Philosophy	2010
Judy	Mathew	MS-Master of Science	1999
Madhusudhana	Mathilakath	PHD-Doctor of Philosophy	2014
Callie	McDonough	MS-Master of Science	2021
Eva	McLanahan	PHD-Doctor of Philosophy	2007
Brooks	Mcphail	PHD-Doctor of Philosophy	2008
Emily	McReynolds	PHD-Doctor of Philosophy	2013
Paul	Melstrom	PHD-Doctor of Philosophy	2007
Gershon	Mensah	PHD-Doctor of Philosophy	2023
Dean	Meyer	PHD-Doctor of Philosophy	2015
Adrian	Moore	PHD-Doctor of Philosophy	2018
Ryan	Mote	PHD-Doctor of Philosophy	2020
Michelle	Norris	MS-Master of Science	2008
Taras	Oleksyk	PHD-Doctor of Philosophy	2001
Jay	Overmyer	PHD-Doctor of Philosophy	2002
Tonia	Parrott	PHD-Doctor of Philosophy	2005
Palak	Patel	PHD-Doctor of Philosophy	2014
Christopher	Peredney	MS-Master of Science	1999
Jennifer	Peterson	MS-Master of Science	2005
Brianna	Peterson	PHD-Doctor of Philosophy	2007
Collin	Preston	PHD-Doctor of Philosophy	2020
Guoqing	Qian	PHD-Doctor of Philosophy	2012
Junshan	Qiu	PHD-Doctor of Philosophy	2008
Bradley	Reinhart	MS-Master of Science	2003
Elizabeth	Richardson	MS-Master of Science	2004
Emily	Rogers	MS-Master of Science	2004

David	Rouse	MS-Master of Science	2008
Slawomir	Rzucidlo	PHD-Doctor of Philosophy	1998
Suparna	Sarkar	PHD-Doctor of Philosophy	2001
Molly	Schaefer	MS-Master of Science	2006
Daniel	Schoeffner	PHD-Doctor of Philosophy	1998
Natalie	Scholpa	PHD-Doctor of Philosophy	2015
Sarah	Schrenk	MS-Master of Science	2002
Pankaj	Sethi	PHD-Doctor of Philosophy	2013
Neelesh	Sharma	PHD-Doctor of Philosophy	2005
Patricia	Shaw-Allen	PHD-Doctor of Philosophy	2002
Soo	Shin	MS-Master of Science	2020
William	Shoults-Wilson	PHD-Doctor of Philosophy	2008
Jacob	Siracusa	PHD-Doctor of Philosophy	2023
Gideon	St. Helen	PHD-Doctor of Philosophy	2011
Bin	Sun	PHD-Doctor of Philosophy	2010
Matthew	Taylor	PHD-Doctor of Philosophy	2008
Glenn	Tillman	MS-Master of Science	2007
Chi-Yen	Tseng	MS-Master of Science	2013
Masashi	Tsunoda	PHD-Doctor of Philosophy	1998
Olga	Tsyusko	PHD-Doctor of Philosophy	2004
Jason	Unrine	PHD-Doctor of Philosophy	2004
Matthew	Urich	PHD-Doctor of Philosophy	2019
Kelley	Van Vreede	MS-Master of Science	1997
Tara	Vogelien	MS-Master of Science	2004
Aswani	Vunnava	MS-Master of Science	2007
Rahat	Wadhwa-Desai	PHD-Doctor of Philosophy	2016
Angel	Wall	MS-Master of Science	2004
Jincheng	Wang	PHD-Doctor of Philosophy	2017
Zidao	Wang	PHD – Doctor of Philosophy	2020
Hongye	Wei	MS-Master of Science	2015
Robert	Wentworth	PHD-Doctor of Philosophy	1998
Clyde	Whitworth	MS-Master of Science	1956
Lonnie	Williams	PHD-Doctor of Philosophy	2006
Denita	Williams	PHD-Doctor of Philosophy	2010
Robert	Williams	PHD-Doctor of Philosophy	2017
Rachel	Worley	PHD-Doctor of Philosophy	2016
Xian	Wu	PHD-Doctor of Philosophy	2016
Shuo	Xiao	PHD-Doctor of Philosophy	2013
Li	Xu	PHD-Doctor of Philosophy	2010
Joella	Xu	PHD-Doctor of Philosophy	2019
Kathy	Xue	PHD-Doctor of Philosophy	2017
Neera	Young	MS-Master of Science	2004
Fei	Zhao	PHD-Doctor of Philosophy	2014
Jun	Zhou	PHD-Doctor of Philosophy	2018
Ahmed Ezat	El Zowalaty	PHD-Doctor of Philosophy	2017



**UNIVERSITY OF
GEORGIA**

**Interdisciplinary
Toxicology Program**

April 10, 2024

Paul D. Coverdell Center

Spring Workshop/Meeting

Support the Interdisciplinary Toxicology Program

We want 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/commit?des=71514003>

The Interdisciplinary Program in Toxicology Fund is the University of Georgia Foundation's 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.

All contributions are tax-deductible.

Thank you!!

The Interdisciplinary Toxicology Program

College of Veterinary Medicine

501 D. W. Brooks Drive – Rm. 2120

Athens, GA 30602

www.toxicology.uga.edu



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