

PHARMTOX QUARTERLY

PHARMACOLOGY & TOXICOLOGY QUARTERLY

March 8, 2018 - PQ N. 02

SOCIETY OF TOXICOLOGY

Pharmacology & Toxicology's SOT President Patricia E. Ganey, Ph.D.



San Antonio here we come! The Michigan State University Department of Pharmacology & Toxicology has played a strong and long-standing role in the Society of Toxicology (SOT). SOT was founded in 1961 as a professional and scholarly organization of scientists from academic institutions, government, and industry. The SOT mission is "to create a safer and healthier world by advancing the science and increasing the impact of toxicology". Numerous faculty and alumni of our department have held seats on the SOT Council. This year, Dr. Patricia E. Ganey, Professor of Pharmacology & Toxicology, is the President of SOT, the ninth Spartan faculty member or alum to serve in that role. With the SOT annual event just around the corner in San Antonio, she has been extremely busy serving both SOT and MSU!

This strong relationship between our department and SOT has many benefits. Our faculty, students, and alumni have a high profile at the meeting which is further supported by the stature of our Institute for Integrative Toxicology – headed by Dr. Norb Kaminski, another recent SOT president. The opportunity to build strong connections with other top researchers in the field of Toxicology is a mission for Dr. Ganey. She is working hard as SOT president to broaden SOT's interactions with other science organizations, including AAAS and FASEB. Last year, FASEB accepted SOT as a member of their Federation. Dr. Ganey & SOT are also taking steps to connect SOT globally. This includes work with EUROTOX and collaborations with several Asian toxicology societies. In 2017 there was a promising collaborative meeting in Yokohama, Japan between SOT and the Japanese Society of Toxicology (JSOT). Next up, the International Union of Toxicology, IUTOX, will co-host the International Congress of Toxicology meeting with SOT in Honolulu in 2019. As you can see, Dr. Ganey & SOT have been very busy connecting scientists and science organizations globally.

Looking ahead to the annual SOT meeting in San Antonio, Dr. Ganey points out the excellent scientific programs including roundtable discussions, workshops, and continuing education courses. With over 2,000 abstracts, the range of new knowledge at the meeting is very broad. In addition to the exciting science, Dr. Ganey and other Pharmacology & Toxicology Faculty members will partake of the numerous networking activities related to publication, grants, and regulatory areas. They are also looking forward to catching up with former students, colleagues, collaborators, and acquaintances. With the amazing backdrop of the San Antonio River walk, everything is in place for an excellent annual conference with MSU playing a leading role.

[Learn more about Dr. Ganey & her research](#)

SOT Mar 11-15 San Antonio, Tx

We will have numerous faculty and students representing us at Society of Toxicology for their annual event. Join us on Tuesday, March 12th for an MSU alumni reception taking place at the Grand Hyatt, Monarch Suite starting at 9:00pm.



PHARMTOX QUICKNOTES AACR Apr 14-18 Chicago, IL

American Association for Cancer Research annual meeting. "Driving Innovative Cancer Science to Patient Care". McCormick Place North/South.



EB 2018 Apr 21-25 San Diego, Ca

We always have a strong showing at Experimental Biology; this year will be no different! If you are attending EB 2018, join us on Monday, April 23rd 6-9pm at the San Diego Bayfront Hilton. We have set up an [RSVP on our website](#) for our mixer. If you plan on attending let us know!



Cutting-Edge Technology

High-end equipment, like our new LSM 880 NLO Microscope, puts next-generation technology into the hands of our researchers and students. The massive improvement in speed, sensitivity, and resolution will allow the microscope to look deeper than ever before.



Drug Discovery

Our Drug Discovery efforts have led to great collaborations amongst departments and universities. We recently went live with our new [Drug Discovery website](#). Included on the website is information on our cores, Research, and more.

We also have our Drug Discovery Seminar Series, with presenters giving talks Friday mornings at 9am. Please check out our [Departmental Website](#) for more information!



BIN CHEN, PH.D.

What Brought you to MSU?

Fantastic research opportunities, outstanding colleagues, and great work-life balance.

What Inspired you to be a scientist?

There is so much unknown about cancer and the advances of Artificial Intelligence and Big Data technologies inspired me to leverage new technologies to find cures.

What is your favorite Dish?

Hot Pot, everyone's favorite in my hometown!

What is your dream vacation?

Driving an RV with my family and friends in Alaska for ten days.

What's a fun fact about yourself?

I thought it would be impossible for me to sing a song correctly, but after one-month practice in a car during the two-hour commute every day, I can hit the notes of my favorite song. Now my three-year-old daughter can even sing it better after listening to it again and again.



N E W H I R E S

JAMIE ALAN, PHARM.D, PH.D.

What Brought you to MSU?

The Great Lakes Region is home (I'm from Ohio, go Bucks!). The strength of this department was very appealing, and I love teaching medical students!

What Inspired you to be a scientist?

I've always liked to know how things work, and a lot of dumb luck along the way.

What is your favorite Dish?

Anything with carbs!

What is your dream vacation?

What's this thing you call vacation?!? I'm currently in baby jail, so my dream vacation is an uninterupted nap!

What's a fun fact about yourself?

I once ran a marathon....never again!



OUR NEWEST GRADUATES...



Alex Turley, Ph.D.

Degree Awarded: Ph.D.

Department: PharmTox / Environmental Toxicology

Mentor: Dr. Cheryl Rockwell

Join Date: Fall of 2011



Juliette Brown, Ph.D.

Degree Awarded: Ph.D.

Department: PharmTox / Environmental Toxicology

Mentor: Dr. Gina Leininger

Join Date: Fall 2014

[Familiarize yourself with our current Ph.D. students...](#)

JEREMY PROKOP, PH.D.

What Brought you to MSU?

The exciting clinical collaborations with Spectrum Health combined with the amazing faculty research and expansion of MSU into precision medicine.

What Inspired you to be a scientist?

My high school chemistry teacher getting me into research. Working at Bowling Green State University in high school I realized that spinning things fast and running gels was fun.

What is your favorite Dish?

A well behaved synched up dish of beating iPSC derived cardiomyocytes. Just kidding. I love cooking so it's hard to say, but probably home made chicken noodle soup.

What is your dream vacation?

A Norway, Greenland, & Iceland cruise of the Northern Lights.

What's a fun fact about yourself?

I was born in Michigan, but up until my recent trip to MSU I've only lived in the state a week or so.



Blast from the Past:



Can you name all of the Pharmacology & Toxicology faculty members listed in the photo? Questions or comments? Something you'd like to share?

Send us an email! We would love to hear from all of our alumni and friends. The more updates and news we get from our alumni, the more news and updates we will include in our communications!

Department Email: PHM@MSU.EDU



NEW GRANTS...

1. Development of a highly potent inhibitor of the Rho/MRTF/SRF pathway as a novel oral therapeutic for scleroderma. Awarded to: Dr. Richard Neubig. Sponsor: Michigan Strategic Fund. \$122,892
2. Chemoprevention of experimental estrogen-receptor negative breast cancer: 2018. Awarded to: Dr. Karen Liby. Sponsor: Breast Cancer Research Foundation. \$250,000
3. Melanoma Research. Awarded to: Dr. Richard Neubig. Sponsor: MSU College of Human Medicine Gran Fondo funding. \$150,000
4. Institutional Summer Undergraduate Research Fellowship (SURF) program. Awarded to: Dr. Karen Liby. Sponsor: American Society for Pharmacology and Experimental Therapeutics (ASPET). \$27,000.