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**Recently Accepted or Published Manuscripts:**

**Xiaoqi Liu:**

NIH R01 CA256893, “Enhancing the efficacy of androgen signaling inhibitors in prostate cancer” Total funding: $2,467,501 for 5 years. The studies of this proposal will examine how the activation of WNT signaling contributes to enzalutamide resistance in prostate cancer. Specifically, the proposed study aims to test whether b-catenin-dependent canonical WNT pathway contributes to growth of enzalutamide-resistant prostate cancer and whether activation of b-catenin-independent non-canonical WNT signaling results in metastasis of enzalutamide-resistant prostate cancer. Co-Investigators include Drs. Derek Allison, Chi Wang and Peng Wang.

NIH R01 CA264652-6, “Improving chemotherapy of castration-resistant prostate cancer” Total funding: $1,741,725 for 5 years. The studies of this proposal will test how the epigenetic reader Adenosylhomocysteine (SAH) isotopologues in stable isotope resolved metabolomics (SIRM) using direct nanoelectrospray ultra-high-resolution mass spectrometry. Investigators include Drs. Derek Allison, Chi Wang and Peng Wang.

**Teresa Fan and Richard Higashi:**

Co-Is, Exelixis Clinical Trial, PI: J. Kim, “MCC-21-GI-117: Phase II Clinical Trial Evaluating Cabozantinib and Pembrolizumab in Second-Line Therapy for Metastatic Pancreatic Adenocarcinoma” CESB Budget: $33,423 for CESB Service Charges over 2 years. This clinical trial is for translational studies involving organoids and exosomal lipids for pancreatic cancer patients.

**Christine Brainson:**

Extending a Warm Welcome to our New Students!

MS Forensic Toxicology & Analytical Genetics:

- Mohammad Jaloudi
- Ravyn Borrum
- Tiffany Burton
- Corinne Hill
- Kathleen Reed
- Robyn Borrum
- Samantha Stanley
- Amanda Haw
- Cassandra Whitlatch
- Brittany Ferguson
- Kendyll Freeman
- Trinity Rudd
- Trudy Colaco
- Holly Bendel
- Maria Edwin

Welcome! We are so glad to have you as part of our department!
Extending a Warm Welcome to our New Students!

PhD Toxicology:
- Tempany Arbogast
- Maria Nur
- Breanna Knicely
- Vivian Ayarick
- Kevin Fulp
- Jerika Durham
- Oluwafunminiyi Obaleyeye
- Charles Bailey

Welcome future Doctorates!

Congratulations to our students that recently passed their qualifying exams!

L to R: Caitlin Miller (Dr. Luksana Chaiswing), Kassie Naughton (Drs. Christine Brainson and Haining Zhu), Hannah Daniels (Dr. Eva Goellner), Kristin Miller (Dr. Eva Goellner), Aziza Alshahrani (Dr. Qiou Wei), Na Ding (Dr. Qiou Wei), Xinyi Wang (Dr. Xiaoqi Liu) Kate Jones (Dr. Xiaoqi Liu), and Courtney Kelson (Dr. Kate Zaytseva).

Thank you to the committee members!

PhD Second Year Lab Placements

- Xinyi Wang: Dr. Xiaoqi Liu
- Alyssa Clark: Dr. Xiaoqi Liu
- Courtney Kelson: Dr. Kate Zaytseva
- Sarah Alqithami: Dr. David Orren
- Kate Jones: Dr. Xiaoqi Liu
- Mariah Geisen: Dr. Kate Zaytseva
- Chrispus Ngule: Dr. JM Yang

Dave-Preston Esoe, second year Forensic Toxicology & Analytical Genetics student, was selected to receive a 2020 NSF Kentucky-West Virginia Louis Stokes Alliance for Minority Participation Cohort I Bridge to the Doctorate Fellowship! Congratulations Dave!

Aria Byrd, PhD Student, was selected for a 1 Year Dissertation Award through the SREB Doctoral Scholars Program. Congratulations, Aria, on your award!
Congratulations to our PhD students who recently graduated!

Next steps: Postdoc at University of Kentucky in Dr. Moseley’s lab

Next steps: Postdoc at Columbia University Medical Center

Dr. Jacob Machin. Mentored by Dr. Thomas Tobin. Defended August 2021.

Annual DTCB Retreat

The 2021 Department of Toxicology and Cancer Biology Annual Retreat took place August 18, 2021 at The Club at UK’s Spindletop Hall in Lexington, KY. It was a day filled with socializing, research, awards and gaining information. Thank you to the Retreat Committee Members for organizing it! We look forward to next year’s!

Award Winners:
Post-Doc/Staff Research Fellowship ($30,000): Zhuangzhuang Zhang
Thesis Fellowship ($30,000): Chaohao Li
Excellent Research Fellowship ($30,000): Xiaojing Cui, Yanning Hao, Kristin Miller, Alston Zhang
Research Fellowship ($5,000): Aziza Alshahrani, Hannah Daniels, Na Ding, Caitlin Miller, Kassie Naughton
Retreat Poster Award ($50): Kate Jones, Tanner DuCote, Jinghui Liu
Oral Presenters: Jenni Ho, Cuiping Zhang, Kristin Miller, Yanning Hao, Courtney Kelson, Caitlin Miller