DEPT. OF TOXICOLOGY AND CANCER BIOLOGY NEWSLETTER

Volume 4, Issue 1

Table of Contents

Pg 1:
- Recently Accepted or Published Manuscripts
- Faculty Activity

Pg 2:
- Lab Activity
- Welcome New Lab Member, Business Office Staff, and PhD Students

Pg 3:
- Monday Seminar Schedule
- Faculty Grant Talk Schedule
- Trainee Talk Schedule
- Forensics Event

Pg 4:
- Student Forum Activities

SUPPORT THE DEPARTMENT

Gifts to the department will be directed toward emerging needs and opportunities for our students, faculty research support, and unrestricted support for the department.

Click here to learn more and donate.

Thank you for your support!

NEWSLETTER ITEMS

Want to include something in the next newsletter? Send your stuff to Ashley Cowan at ToxAndCancerBio@uky.edu



Recently Accepted or Published Manuscripts:

Drs. Lane and Fan:

1. K. Brown*, L. M. Jenkins, M., D. Crooks, D.B.Surman, S. Mazur, Y.Xu, B. Aramilli, Y. Yang, **A. N. Lane**, **T. W-M. Fan**, D. Schrump, M. Linehan, R. T. Ripley, E. Appella (2023). Targeting Mutant-p53-R248W with NSC59984 Enhances Anti-Tumor Response and Alters the Onco-Metabolic Profile. Frontiers in Oncology 12:1094210.

2. Zhang, X., Su, Y., **Lane, A.N.**, Stromberg, A., **Fan, T. W-M**. and Wang, C* (2023). Bayesian Kinetic Modeling for Tracer-Based Metabolomic Data. BMC Bioinformatics accepted

3. Y. Tong, Y. Qi, G.Xiong, J. Li, T. L Scott , J. Chen, L. Li, D. He, C. Wang, **A. N. Lane** , and R. Xu (2023). PLOD2-induced succinate elevation enhances cancer cell stemness and 5hmC accumulation. PNAS accepted

Faculty Activity:

Dr. Xiaoqi Liu:

Dr. Xiaoqi Liu presented a seminar entitled “Protein kinases, DNA damage response and therapy resistance” in New Jersey Cancer Institute on March 1, 2023.

Dr. Andrew Lane:

Study Sections: February 3,4 2023 ZCA1 RPRB-8 (M1) NCI SPORE (P50) Review

Dr. Teresa Fan:

March 3, 2023. DTCB Grant talk “Crosstalk between EZH2 and g-aminobutyrate metabolism/ signaling in lung cancer”

Dr. Richard Higashi:

March 10, 2023. UK Cares seminar “ Imaging of Toxic Metals and Long Radon Exposure Among Appalachian and non-Appalachian Lung Cancer Patient Tissues obtained by the Kentucky Cancer Register Tissue Repository (VPR)”

Dr. Nathan Vanderford:

3/2023 : Chair, National Institutes of Health, Clinical Care and Health Interventions F16 Fellowship Special Emphasis Study Section (2023/05 ZRG1 F16-L (20) L)

Dr. Nathan Vanderford has been selected to participate in the 2023 Bluegrass Higher Education Consortium’s Academic Leadership Academy (BHEC ALA)

Dr. Vanderford, along with 7 UK faculty colleagues will attend the following conference programs:

Friday, April 21, 2023, ALA Session 1, Transylvania University

Friday, October 20, 2023, ALA Session 2, Morehead State University



Lab Activity: Dr. Xiaoqi Liu's Lab

Dr. Meng Wu, a Scientist II of Dr. Xiaoqi Liu lab, was recently appointed as an Editorial Board Member for JBC for a five-year term beginning January 1, 2023 and ending December 31, 2027. Dr. Wu was invited to attend the 2023 JBC Editorial Board Meeting as well as the ASBMB annual meeting, held from March 25 to 28 in Seattle, Washington.

New Lab Member:



Dr. Pingli Mo: Dr. Pingli Mo recently joined the lab of Dr. Xiaoqi Liu as a Scientist II. After receiving her PhD from Xiamen University, Dr. Mo performed post-doctoral research in Albany Medical College. Dr. Mo was an Associate Professor at Xiamen University before she joined UK. Dr. Mo has published extensively in cancer biology.

New Business Office Staff Member:



Shelby Taylor: Shelby Taylor joined the DTCB Business Office staff as Administrative Support Associate I. She received a bachelor's degree in psychology in 2019 and proceeded to work in the field until 2022. An opportunity for change and professional growth has led her to this department. In her free time, she enjoys many hobbies such as reading, cross stitching, playing Valorant, film photography, and going to concerts. She shares two cats and a chinchilla with her partner, but aspires to also have a pet jumping spider one day. She enjoys traveling whenever she gets the chance. She has a bucket list goal of visiting all 63 National Parks in the United States; so far she has visited 10. A few of her favorite parks she has visited are Canyonlands, Great Basin, and Mesa Verde.

Welcome to our new students!

New PhD Students (started in January 2023):
(L to R): Elham Zokaei and Felix Oyelami



Spring 2023 Semester: DTCB Monday Seminars
12:00-1:00 PM
MN 463

January 9: Dr. Qiuyang "Lisa" Zhang, Tulane University
(Dr. Li)
January 23: Dr. Marie-Dominique Filippi: Cincinnati Children's
(Dr. Liang)
January 30: Student Seminar: Kristin Miller
(Dr. Goellner)
February 6: Dr. Lluis Morey, University of Miami
(Dr. Brainson)
February 13: Drs. Jinghui Liu and Yanquan Zhang, University of Kentucky
(Dr. Xiaoqi Liu)
February 20: Student Seminar: Na Ding
(Dr. Wei)
February 27: Dr. YuZhuo Wang, UBC
(Dr. Fong)
March 6: Dr. Dean Tang, Roswell Park
(Dr. Xiaoqi Liu)
March 20: Student Seminar: Aziza Alshahrani
(Dr. Wei)
March 27: Dr. Ming Chen, Duke University
(Dr. Li)
April 3: Dr. Teresa Fan, University of Kentucky
April 10: Dr. Xin Lu, University of Notre Dame
(Dr. Li)
April 17: Dr. Quanguang Zhang, LSU Health Sciences Center-Shreveport
(Dr. Tian)
April 24: Dr. Changhai Tian, University of Kentucky

The Forensic Poster Session will be held by the 2023 graduating class of the Forensics program. The posters describe the students' internship experiences.

Date: Thursday, May 4th

Time: 1:00 PM

Location: BBSRB Atrium



Spring 2023 Semester: DTCB Faculty Grant Talk Series
12:00-1:00 PM
MN 263

January 20: Drs. Jian Fu / Kate Zaytseva / Chris Brainson

February 3: Dr. Xiaoqi Liu

March 3: Dr. Teresa Fan

March 24: Dr. Will Fong

April 7: Dr. Eva Goellner

May 5: Dr. Luksana Chaiswing

Spring 2023 Semester: DTCB Trainee Talk Series
12:00-1:00 PM
MN 263

January 13: Caitlin Miller (Chaiswing) and Chrispus Ngule (J. Yang)

January 27: Courtney Kelson (Zaytseva) and Mariah Geisen (Zaytseva)

February 10: Kevin Fulp (Liang) and Niyi Obaleye (Liang)

February 17: Maria Nur (Xiaoqi Liu) and Vivian Ayarick (Guo) in MN 363

March 10: Amos Akinyemi (Li), Sai Wu (Xiaoqi Liu), and Fatemeh Seilani (Xiaoqi Liu)

March 31: Rakibul Alam / Hamed Maasoumy / Mohammad Farahani / Min Zhang / Cheng Zhang

April 21: Avery Childress / Christian Gosser Dave-Preston Esoe / Maria Edwin

April 28: Han Cong / Tristin Miller / Kahleel Guerrier / Elham Zokaei

Student Activity:

The Student Forum continues to coordinate activities for all students to participate in!
Make sure you are checking your email for future activities and meetings.

Recent Activities in February and March:

- 2/9/23: Sound Off Trivia night at Pivot Brewing.

- 2/14/23: Valentine's day celebration candy. *see photo below.

- 2/23/23: Student outing with the interviewees at Goodfellas pizza, Crank and Boom Ice Cream, and arcade games.

- 3/17/23: Cookie time. This event gives all the students a chance to chat and relax for an hour. *see photo below.



February 14, 2023: Valentine's Day celebration.



March 17, 2023: Cookie time.
Photo of Amos Akinyemi, DTCB PhD student