DEPT. OF TOXICOLOGY AND CANCER BIOLOGY NEWSLETTER

Volume 5, Issue 3

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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.

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Thank you for your support!

New Grants (New grants are shared once the department receives PADR 1 stating the account has been created):

Dr. Eunus Ali (PI in grant below):



National Institute of General Medical Sciences, "Regulation of One-carbon Metabolism and Purine Synthesis by YDRC in Hepatocellular Carcinoma." Total funding: $299,572 for 1 year. Liver cancer, in particular hepatocellular carcinoma, remains as one of the most aggressive and heterogeneous cancers with very little to no improvement in survival in the past decade. Surgery, ablation or embolization therapy are some of the major options but all of them are associated with patient's painful sufferings and huge expense. Accordingly, targeted therapy, which uses drugs to target specific genes and proteins that help cancer cells survive and grow - is emerging in the treatment of liver cancer. The rationale of this project is to identify or define if we could target an overexpressed protein in liver cancer (e.g., YRDC protein).



Dr. Christine Brainson (PI in grant below):

National Heart, Lung, and Blood Institute, "Targeting Lung Fibrosis Using Epigenetic Therapy." Total funding: $2,752,616 for 4 years. The goal of this grant is to build upon evidence that reprogramming cellular fate through modulation of the epigenetic enzyme EZH2 can ameliorate several phenotypes of pulmonary fibrosis, including aberrant alveolar cell fate and pro-fibrotic cytokine signaling.

Dr. Tadahide Izumi (PI in grant below):



Bench to Bedside Pilot Grant by Radiation Medicine and Markey Cancer Center, "The regulation of the host immune response to prostate cancer mediated by X-ray and by PRMT5 phosphorylation." Total funding: $50,000 for 1 year. The objective of this project is to understand the role of PRMT5 on the host immune activation against prostate cancer post X-Ray irradiation, by analyzing a unique, PRMT5-engineered mouse model.

Dr. Andrew Lane (PI in grant below):

University of Cincinnati, "Defining Genetic and Metabolic Requirements of Aggressive Breast Cancer." Total Funding: $38,000 for 1 year. The goal of this grant is to determine the metabolic underpinnings of hormone sensitive breast cancers drive by RON and DEK expression.

Dr. Xiaoqi Liu (PI in grant below):



Department of Defense, "Plk1 in Prostate Cancer Lineage Plasticity." Total funding: 1,377,000 for 3 years. Based on preliminary data generated by Drs. Yanquan Zhang and Ricky Wang, this proposal aims to test whether Plk1-associated phosphorylation of the critical transcription factors ASCL1 and NEUROD1, as well as the epigenetic factor EZH2, drives prostate cancer progression into neuroendocrine cancer.



Dr. Changhai Tian (PI in grant below):

American Heart Association, "Extracellular Vesicle-Mediated Nrf2 Protein Secretion and its Therapeutic Application in Cardiogenic Dementia." Total funding: $300,000 for 3 years. The goal of the funded AHA grant is to elucidate the secretion mechanism of Nrf2 protein and develop EV-based therapeutic strategies for neurological diseases.

New Grants (continued):



Dr. Yekaterina Zaytseva (PI in grant below):

Project Cure CRC Pilot Award, "Developing New Therapeutic Approaches for BRAFV600E Colorectal Cancer." Total funding: $200,000 for 2 years. The goal of the funded grant is to test new therapeutic strategies for BRAF mutant colorectal cancer.

Cancer Center Support Grant (CCSG) Pilot Grant, "Evaluation of Novel Therapeutic Approaches to Combat Drug Resistance in BRAFV600E Colorectal Cancer." Total Funding: $50,000 for 1 year. The goal of the funded grant is to evaluate novel therapeutic strategies for BRAF mutant colorectal cancer.

Featured Grant

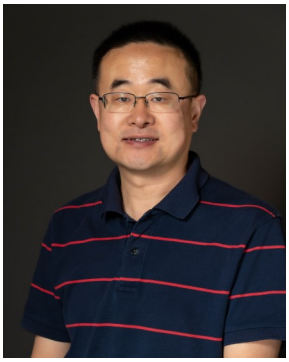


Dr. Christine Brainson (PI in grant below):

National Heart, Lung, and Blood Institute, "Targeting Lung Fibrosis Using Epigenetic Therapy." Total funding: $2,752,616 for 4 years.

Pulmonary fibrosis is a complex disease that limits lung function through development of collagen-rich scar tissue. The research would build upon evidence that reprogramming cellular fate through modulation of the epigenetic enzyme EZH2 can ameliorate several phenotypes of pulmonary fibrosis, including aberrant alveolar cell fate and pro-fibrotic cytokine signaling. It will test if EZH2 inhibition will allow for prevention or reversion of these cellular phenotypes through modulation of IL1β and FOXP2 expression. The model systems to be used include both human and mouse organotypic cell cultures and two established in vivo models of pulmonary fibrosis. Lung function testing, histology, scRNA-seq and flow cytometry will be used to characterize the lung and organoids phenotypes with and without EZH2 deletion or inhibition. Patient tissues will be used to understand if EZH2 activity is high and FOXP2 expression is low in aberrant basaloid/alveolar transition cells in vivo. We expect that this research could validate the use of EZH2 inhibition as a treatment for pulmonary fibrosis, and will expand our knowledge in the field of lung epigenetics and stem cell biology.

Featured Publication



Zhang, Y., Fong, W., Mao, F., Wang, W., Allison, D.B., Napier, D., He, D., Liu, J., Zhang, Y., Chen, J., Kong, Y., Li, C., Liu, J., Li, G., Li, Z., Wang, C., and **Liu, X.** (2024) Elevating PLK1 Overcomes BETi-Resistance in Prostate Cancer via Triggering BRD4 Phosphorylation-dependent Degradation in Mitosis. *Cell Reports*. 43, 114431. PMID: 38968071.

In this publication, Dr. Yanquan Zhang, a research assistant professor of DTCB showed 1) BRD4 protein abundance decreases during the M phase of the cell cycle; 2) BRD4 is sequentially phosphorylated by the CDK1/cyclin B complex and PLK1; 3) PLK1-phosphoryalted BRD4 is recognized and degraded by APC/C-Cdh1; and 4) Sequential treatment with docetaxel and JQ1 overcomes BETi resistance in prostate cancer.

Recently Accepted or Published Manuscripts:

Dr. Luksana Chaiswing:

Banadaki, M.D., Rummel, N.G., Backus, S. *et al. Extraction of redox extracellular vesicles using exclusion-based sample preparation. Anal Bioanal Chem (2024).* https://doi.org/10.1007/s00216-024-05518-z

Dr. Theresa Fan:

K. Fulghum; H.E. Collins; P. K. Lorkiewicz; T. A. Cassel; T.W.M. Fan, B. G Hill (2024) Exercise-Induced Changes in Myocardial Glucose Utilization During Periods of Active Cardiac Growth. J. Molec. Cell. Cardiology 191:50-62

Dr. Andrew Lane:

A.N. Lane*, T. W-M. Fan, & R.M. Higashi (2024) Challenges of Spatially Resolved Metabolism in Cancer Research. Metabolites sp issue 14:383-422

S. Vicente-Muñoz, J. Davis, A. Lane, A. N Lane, S. E Waltz and S. I Wells (2024) Lipid Profiling of RON and DEK Dependent Signaling in Breast Cancer Guides Discovery of Gene Networks Predictive of Poor Outcomes Survival. Front Oncol. 14:1382986.

Dr. Xia Liu/Dr. JinMing Yang:

Ngule C, Shi RY, **Ren XC***, Jia HY, **Oyelami F**, Kim JH, Hemati H, **Zhang Y***, Li D, Xiong XF, Park YH, **Shinkle AT**, **Vanderford NL***, Zhou PB, Wang JL, Song JX, **Liu X*, Yang JM***. NAC1 Promotes Stemness and Regulates Myeloid-derived Cell Status in Triple-Negative Breast Cancer. **Mol. Cancer,** 2024. PMID: 39243032 PMCID: PMC11378519.

Dr. David Orren:

Orren, D.K. and Machwe, A. Response to Replication Stress and Maintenance of Genome Stability by WRN, the Werner Syndrome Protein. International Journal of Molecular Sciences 25: 8300, 2024

Sarah Mohammed Alqithami, Amrita Machwe and David K. Orren. Cigarette Smoke-Induced Epithelial-to-Mesenchymal Transition: Insights into Cellular Mechanisms and Signaling Pathways. Cells 2024, 13(17), 1453; DOI: 10.3390/cells13171453

Dr. Changhai Tian:

Dhyani N, Tian CH, Gao L, Rudebush TL, Zucker IH. Nrf2-Keap1 in Cardiovascular Disease: Which is the Cart and Which the Horse? Physiology (Bethesda). 2024 Apr 30, https://doi: 10.1152/physiol.00015.2024.

2023 MISEV Consortium. Minimal information for studies of extracellular vesicles (MISEV2023): From basic to advanced approaches. J Extracell Vesicles. 2024 Feb;13(2): e12404. doi: 10.1002/jev2.12404.

Dr. Yekaterina Zaytseva:

Tessmann, J. W., Deng, P., Durham, J., Li, C., Banerjee, M., Wang, Q., Goettl, R. A., He, D., Wang, C., Lee, E. Y., Evers, B. M., Hennig, B., & Zaytseva, Y. Y. (2024). Perfluorooctanesulfonic acid exposure leads to downregulation of 3-hydroxy-3-methylglutaryl-CoA synthase 2 expression and upregulation of markers associated with intestinal carcinogenesis in mouse intestinal tissues. *Chemosphere, 359, 142332. https://doi.org/10.1016/j.chemosphere.2024.142332*



Faculty Activity:

Dr. Luksana Chaiswing:



Speaker at Alumni Symposium Honoring Dr. Mary Vore, June 15, 2024, The Campbell House Lexington, Curio Collection by Hilton, Lexington, KY, USA "ROS-mediated mitochondrial biogenesis acts as a survival mechanism for cancer cells following radiation exposure."

NIH/NCI Study Section: ZRG1 F09C - Z (20) FELLOWSHIPS: CANCER IMMUNOLOGY AND IMMUNOTHERAPY. 07/15/24 - 07/16/24

ECI Travel Award, Invitation Oral presentation, "Radiation-induced EVs enriched with mitochondria promote mitochondrial biogenesis and metabolic resistance in prostate cancer", the 70th Annual Radiation Research Society, Westin La Paloma Resort and Spa in Tucson, AZ, September 15-18, 2024.



Dr. Theresa Fan:

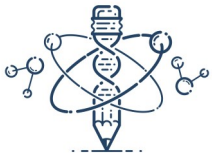
T. W-M. Fan NMR applications in Stable Isotope-Resolved Metabolomics. ICMRBS Seoul Aug 2024



Dr. Will Fong:

Serican Academy of Urology (SAU) 2nd Annual Conference, Banff, Canada Jun 13-17, 2024

Session Chair and Speaker "The Role of TRIM28 in Prostate Cancer Progression in Bone."



Dr. Andrew Lane:

N. Lane*, P. Lin & T. W-M. Fan Metabolic isotope distribution analysis by multiplexed NMR. ICMRBS Seoul Aug 2024 (Poster Presentation)

Dr. Zhiguo Li:



Dr. Zhiguo Li, Serican Academy of Urology, 2nd Annual Conference, Banff, Canada, June 13-17, 2024

Session chair and speaker " Targeting ER Stress Sensors to overcome Enzalutamide resistance in Prostate Cancer"



Dr. Xiaoqi Liu:

Dr. Xiaoqi Liu organized the 2nd Annual Serican Academy of Urology (SAU) Conference from June 13-16, 2024, at Banff Rocky Mountain Resorts, Alberta, Canada.

July 11, 2024, Louisiana State University Health at Shreveport, Department of Biochemistry and Molecular Biology, Shreveport, Louisiana. "Plk1: from basic cell biology to cancer therapeutics."

July 25-30, 2024, The 19th SCBA/14th CBIS Biennial Symposium, Guiyang, China. "Enhancing the efficacy of radiotherapy in prostate cancer."

Dr. Changhai Tian:



Served as Chair of one of APS Summit 2024 - CNS Symposium, held in in Long Beach, California, April 4-7, 2024.

Served as an Ad hoc reviewer of 2024 Transformational Projects Award Brain Sciences Peer Review Committee, May 03, 2024.
Served as Judge for the 14th annual Markey Cancer Center Research Day (MCCRD). May 10, 2024.

Tian, CH. Cardiac extracellular vesicles and brain redox homeostasis following myocardial injury. 2024 American Physiology Society Summit, Long Beach, California, April 7, 2024 (Oral presentation).

Faculty Activity (continued):

Dr. Nathan Vanderford:



Vanderford, NL. Taking ACTION to Reduce Cancer Disparities in Appalachian Kentucky. 9th Biennial National IDeA Symposium of Biomedical Research Excellence (NISBRE), Washington, D.C., June 16-20, 2024 (Oral presentation).

Vanderford, NL. Graduate Student Mental Health: Understanding and Addressing the Challenges. Genetic Counselor Educators Association 2024 Retreat, July 15-17, 2024 (Oral presentation).

Career Development presentation at Florida State University, College of Medicine.

Reviewer for the UK Vice President for Research Limited Submission Grant Opportunity.

9/13/2024 Nathan L. Vanderford, Invited Participant and Presenter, President's Cancer Panel, National Cancer Program, National Cancer Institute

9/26/2024 Nathan L. Vanderford. Plenary Presentation. 2024 International Cancer Education Conference. Campbell House. Lexington, KY.

9/2024-5/2025 Nathan L. Vanderford, Participant, Faculty Leadership Academy, Kentucky Council on Postsecondary Education, Frankfort, KY.



Mike Ward, MS:

Jones, Davy, Mellon, Isabel, and Ward, M. Conceiving, Building, and Improving a Professional Master's Program. Biennial Conference on Chemical Education, July 28—August 1, 2024 (Oral presentation).

Forensics COLLEGES

MEET THE EXPERT: MICHAEL WARD, MS



Mike Ward is an assistant professor and lecturer in the Department of Toxicology and Cancer Biology at the University of Kentucky College of Medicine. He earned his BS in chemistry from Eastern Kentucky University and both his MS in toxicology and MS in drug chemistry from the University of Florida. He is certified as a Toxicological Chemist by the National Registry of Certified Chemists in Washington, DC.

Prior to joining the faculty at the University of Kentucky, Ward served for 33 years in the Kentucky Medical Examiner's Toxicology Laboratory, first as a forensic toxicologist and ultimately as the laboratory supervisor. His consulting firm, ToxChem Consultations, LLC, was incorporated in 2013.

Ward has consulted on legal cases from around the Commonwealth and in other states at the County, State and Federal level, and he is qualified as an expert witness in forensic toxicology in each of these jurisdictions.

Dr. Hsin-Sheng Yang:

Dr. Hsin-Sheng Yang, Serican Academy of Urology, 2nd Annual Conference, Banff, Canada, June 13-17, 2024

Speaker " A novel peptide in suppression of tumorigenesis."

Dr. Yanquan Zhang:

Dr. Yanquan Zhang, Serican Academy of Urology, 2nd Annual Conference, Banff, Canada, June 13-17, 2024

Speaker " Enhancing the efficacy of BRD4 inhibitor in prostate cancer."

Lab Activity:

Dr. Luksana Chaiswing's Lab:

ACTION program High School Students: Isabelle Pace and Rachel Henderson

Nolan Marcum, CURE Summer Fellowship 2024, "Extracellular Vesicles and Prostate Cancer."

Malina Rijai, OBE Summer Fellowship 2024, "GBM and Cognitive Impairment."

Faculty Awards and Recognition:

Dr. Nathan Vanderford selected for Inaugural Class of LAMP!



Leadership in Academic Medicine Pathway (LAMP) is a transformative learning experience designed with a human-centered leadership framework to complement the existing skillsets of College of Medicine physician, research, and staff leaders.

Working and leading others in the medical field involves many stressful and emotionally charged situations. Human-centered leadership is critical for building relationships and teams, resolving conflict, solving programs, leading effectively, and building resilience. One of the most effective ways to master this approach is to build awareness of emotional intelligence skills, along with an ongoing commitment to practicing and improving these skills.

Over the course of the five-month program, participants will build and improve emotional intelligence and human-centered leadership skills by:

- Learning what Emotional Intelligence is and how it relates to effective leadership
- Gaining a greater awareness of one's own 'EQ' (emotional quotient)
- Building one's confidence and ability in emotional and social skills that impact leadership
- Generating a plan for leadership and self development
- Receiving 3 individual coaching sessions with a certified coach

Rachel Wilson, PhD, is the director of organizational well-being and the program leader. "We aim to create an environment that encourages rich discussion, capitalizing on the varied experiences and perspectives of the participants; all the while challenging participants to apply emotional intelligence concepts to the complex world of leadership within the College of Medicine."

Dr. Nathan Vanderford was selected as cohort for the 2024 inaugural class from a selection of 37 applicants!



New Staff

I am Ramzi Hamdalla, a new Research Analyst of Dr. Tian's lab at the Department of Toxicology & Cancer Biology. I received two undergraduate degrees, one in Biomedical Engineering and one in Electrical and Computer Engineering, from Carnegie Mellon University. I went on to get a master's degree in biomedical engineering, also from Carnegie Mellon University, before coming back home to Lexington. I am currently exploring the biological pathways linking the Cardiovascular and Neural systems, and their resulting health implications under Dr. Tian's supervision. My past researching the Cardiovascular system, and methods of treating atherosclerosis, has given me a strong understanding of the mechanisms of heart failure and the process of preventing and recovering from heart failure. I am passionate in learning more about the Neural and Cardiovascular systems and finding new methods of treating neurodegenerative diseases and heart complications, and I hope to be able to put what I know to good use, while expanding my horizons here at the University of Kentucky.





My name is Jennifer Grasso and I recently began working full time for Dr. Ka Wing Fong in the Department of Toxicology and Cancer Biology. In May, I graduated with a Master of Forensic Toxicology and Analytical Forensics degree. My concentration for the graduate program was genetics, which has many applications in the cancer research field. Since starting as a Paraprofessional Researcher, I have been thankful to learn something new each day and work with this brilliant department.

Burcu Menekse Balkan is a new Visiting scholar in Dr. Chaiswing's lab. She received her PhD in 2012 and has been working at Department of Biochemistry, Faculty of Veterinary Medicine, Burdur Mehmet Akif Ersoy University, Turkey. She will investigate 'The roles and mechanism of extracellular vesicules (EVs) containing 4-hydroxynoneal (HNE)-adducted proteins (RedoxEVs) in cancer and normal tissue injury'. Burcu enjoys exploring Lexington and the surroundings with her family and learning with her kids.





NEW FACULTY

Mary is originally from New Jersey but has spent the last ~20 years in San Francisco, California. She graduated from UCSF, did her postdoc at UC Berkeley, and spent the last ~10 years working in biotech at Calico Labs and Genentech. Her research interests are Hematopoietic Stem Cells (HSCs), the retina, aging, and cellular stress re-

Mary, her partner TD (originally from Louisville, Kentucky), their baby Dade, their dog Neon, and cat Sunshine recently arrived in Kentucky. Mary likes trying new bakeries and breweries, visiting dog parks with Neon, and watching true crime and trashy reality television.

WELCOME!



DTCB New Students

Back Row (L to R): Kate Zayseva, Mary Mohrin, Changhai Tian, Hsin-Sheng Yang, Eunus Ali, Houfu Guo, Xiaoqi Liu

Front Row (L to R): Botao Zhang, Xiangzhen Wei, Qingxuan Li, Yumeng Xin, Lu Fang, Yinping Jiang, Mansoureh Nouri

Not Pictured: Yindan Lin

New Forensics Students

Back row (L to R): Amber Nguyen, Farzam Alavi, Sydney Singh, Emily Ferguson, Aj McCondichie, Ryan Asmann

Front row (L to R): Lexi Ward, Destiny Addison, Zoe Krispin, Ashlyn Mallory, Ariel Harris



Student Activity:

Niyi Obaleye Receives Governor's Award for Volunteer Service!



Oluwafunminiyi Emmanuel Obaleye (Niyi) views community service as an essential part of his life, providing purpose and fulfilment. He finds satisfaction and purpose in giving back to society and positively contributing to the community. As a youth leader at The Redeemed Christian Church of God Open Door Parish, he has organized youth in various community outreach programs, including feeding the homeless and providing educational resources. Obaleye fosters a love for science and contributes to community education. Every year, he volunteers as a judge in the Kentucky American Water Science fair and the Kentucky Science and Engineering fair. This impacts the educational and personal development of young students and fosters a love for science. Obaleye volunteers with Shepardcare LLC, a non-governmental organization with a food pantry, and hosts charity events. He drives to and from the pantry, receives donations and distributes food to those in need. He meaningfully impacts the lives of individuals experiencing homelessness. Obaleye volunteers at homeless shelters and is involved in food preparation, serving, cleaning and shelter arrangement. Recognizing the importance of community support in the face of natural disasters, he volunteered in Western Kentucky for tornado relief efforts. He led a volunteer group at the AmeriCorps 9/11 flag planting project in 2023 and encourages peers to volunteer to improve communities. Obaleye received a graduate student fellowship from the University of Kentucky which fully supports his Ph.D. program, including tuition, and a graduate research assistantship.



Students Passed Qualifying Exams!

Back Row, L to R: Hamed Massoumeyhaghighi, Md Rakibul Alam, Christian Gosser, Dave-Preston Esoe, Sai Wu, Felix Oyelami, Kahleel Guerrier, Amos Akinyemi, Mohammad Esfini Farahani

Front Row, L to R: Han Cong, Sara Macias Palacio, Min Zhang, Elham Zokaei, Fatemah Seilani



Obaleye selected for national 2024-2025 Scientist Mentoring and Diversity Program (SMDP) Cohort!



As part of the program, Dr. Smith, Aguzzoli-Heberle, and Obaleye will receive one year of mentoring from an industry executive and exposure to working in medical and biotech industries.







Career Support Travel Awards Presented at DTCB Retreat!

L to R: Dr. Xiaoqi Liu, Professor and Chair with Elham Zokaei, Sara Macias Palacio, and Mariah Geisen

Outstanding Poster Presentation Awards Presented at DTCB Retreat!

Student poster presentations were judged by popular vote at the annual departmental retreat.

Outstanding Poster Presentation First Place was awarded to Felix Oyelami.

Outstanding Poster Presentation Second Place was awarded to Amos Akinyemi.




Student Forum Hosts Olympics Competition at DTCB Retreat

Winners:

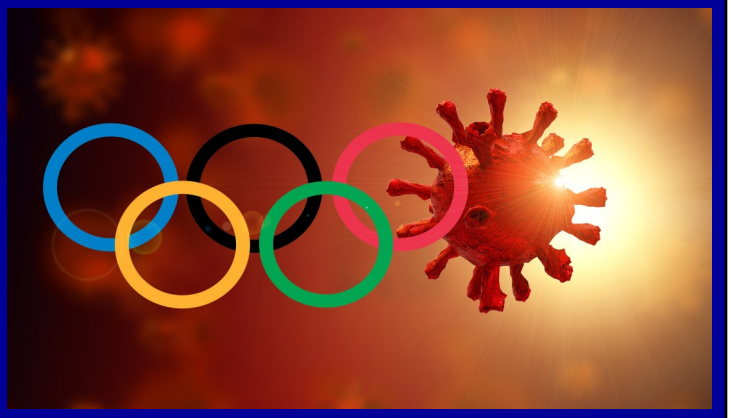
Guess the Number of Tubes in a Flask: Josiane Weber Tessman

Pipette Tip Shooting: Xiongjian Rao

Blind Weight Salt: Niyi Obaleye

96-Well Plate Pattern Memory: Mithu Howlader

Parafilm Stretching: Sara Macias Palacio and Andrew Shinkle



Team Relay (Fill a Pipette Box, Stack Petri Dishes, and Put Gloves on Wet Hands) :



Gold: Josiane Weber Tessman, Jerika Durham, Pingli Mo

Silver: Sara Macias Palacio, Dave-Preston Esoe, and Burcu Balkan

Bronze: Niyi Obaleye, Mohammad Esfini Farahani, Felix Oyelami

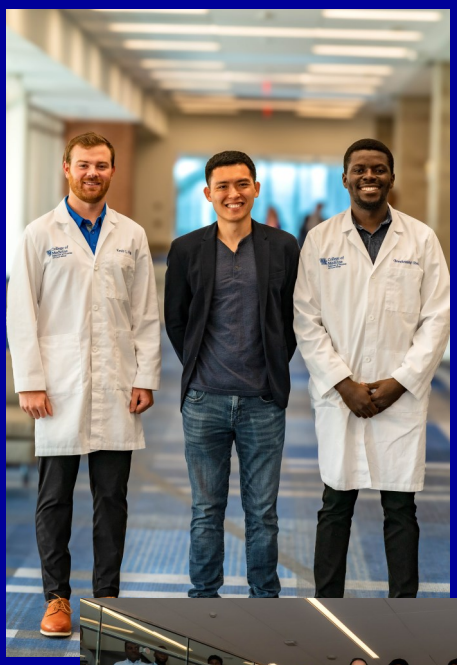
DTCB RETREAT 2024



















DTCB Department and Lab Photos

Student Forum Activity:



Welcome Back Picnic hosted by Student Forum at Shilito Park!

Students gathered at Shilito Park on August 9th prior to the start of the school year.

Left Side (F to B): Mohammad Esfini Farahani, Mariah Geisen, Courtney Kelson, Dave-Preston Esoe

Right Side (F to B): Niyi Obaleye, Christian Gosser, Jerika Durham, Kevin Fulp

Student Forum attends UK vs U of L Men's Soccer Game!

Front Row: Sara Macias Palacio

Back Row (L to R): Kevin Fulp, Dave-Preston Esoe, Niyi Obaleye, Jerika Durham

Not Pictured: Mariah Geisen



Fall 2024 Semester: DTCB Monday Seminars
12:00-1:00 PM
MN 463

Aug 26 — **Dr. Sarki Abba Abdulkadir, Northwestern University (Dr. Brainson)**

Sept 9 — **Dr. Margaret Liu, Ohio State University (Dr. H-S Yang)**

Sept 16 — **Dr. Jian Cao, Rutgers University (Dr. Fong)**

Sept 23 — **Student Seminar: Charles Bailey (Dr. Kim)**

Sept 30 — **Dr. Khalid Sossey-Alaoui, Case Western Reserve University (Dr. Xia Liu)**

Oct 7 — **Dr. Jonathan Zhao, Emory University (Dr. Wei)**

Oct 14 — **Dr. Houfu Gou, University of Kentucky (Dr. Li)**

Oct 21 — **Dr. Wei-Wen Long, Wright State University (Dr. Li)**

Oct 28 — **Dr. Xia Liu, University of Kentucky**

Nov 4 — **Student Seminar: Mariah Geisen (Dr. Zaytseva)**

Nov 11 — **Dr. Li Jia, Harvard Medical School (Dr. Izumi)**

Nov 18 — **Dr. Li Lan, Duke University (Dr. Izumi)**

Nov 25 — **Student Seminar: Breanna Knicely (Dr. Goellner)**

Dec 2 — **Dr. Daqing Wu, Clark Atlanta University (Dr. Chaiswing)**

Dec 9 — **Student Seminar: Sarah Alqithami (Dr. Orren)**

Fall 2024 Semester: DTCB Faculty Grant Talk Series
12:00-1:00 PM
HKRB 410

Sept 6 — **Dr. Jinghui Liu**

Sept 20 — **Dr. Mary Mohrin**

Oct 4 — **Dr. Zhiguo Li**

Oct 18 — **Dr. Changhai Tian**

Nov 1 — **Dr. Christine Brainson**

Fall 2024 Semester: DTCB Trainee Talk Series
12:00-1:00 PM
MN 463

Sept 13 — **Miyeong Kim (Fong) & Cheng Zhang (Fong)**

Sept 27 — **James Rao (Liu) & Josiane Tessmann (Zaytseva)**

Oct 11 — **Felix Oyelami (J. Yang) & Andrew Shinkle (J. Yang)**
***in MN 263**

Oct 25 — **Mithu Howlader (Li) & Mansoureh Nouri (Liu)**

Nov 8 — **Kahleel Guerrier (Chaiswing) & Sara Macias Palacio (Chaiswing)**

Nov 22 — **Elham Zokaei (HS Yang) & Zeng Liang (HS Yang)**

NEWSLETTER ITEMS

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

