



7:30-8:00AM

ARRIVALS AND BREAKFAST

8:00AM

Welcome message from Division Chair, Sharyn Baker

Session I – Translational Approaches in Cancer Therapeutics

Moderator: Dr. Alex Sparreboom

8:15AM

Keynote Speaker: Dr. John Byrd, D. Warren Brown Chair of Leukemia Research Professor of Hematology and Pharmaceutics
Targeted Therapy in Leukemia

8:45AM

Shuai Dong, Graduate Student in J. Byrd/A. Johnson Labs
Genetic inhibition of PI3K p110 δ antagonizes survival signals and induces immune activation in chronic lymphocytic leukemia (CLL)

9:00AM

Christina Drenberg Guttke, Research Assistant Professor
Jak inhibitors for the treatment of pediatric acute megakaryoblastic leukemia (AMKL)

9:15AM

Il-Kyoo Park, Research Scientist in S. Baker Lab
Cross-talk between receptor tyrosine kinases, Axl and Syk, and therapeutic implication in acute myeloid leukemia

9:30AM

Christopher Coss, Research Assistant Professor
Cancer Cachexia Therapy

9:45AM

Rakesh Pathak, Post-Doctoral Researcher in R. Govindarajan's lab
Therapeutic potential of an unconventional microRNA in pancreatic cancer

10:00AM

MORNING BREAK AND GROUP PHOTO

Session II – Drug Formulation, Targeted Delivery, and Nanomedicine

Moderator: Dr. Moray Campbell

10:30AM

Yizhou Dong, Assistant Professor
Development of nanomaterials for RNA delivery

10:45AM

Weiyu Zhao, Graduate Student in Y. Dong Lab
Development of Stimuli Responsive Imaging Probe and Antibody Drug Conjugates

11:00AM

Jilong Li, Graduate Student in R. Lee Lab
Erasing the "hypoxymiR-210 ischemic memory" using lipid nanoparticles in a murine model of ischemic wound

11:15AM

Hong Li, Senior Researcher in R. Lee Lab
Lipid-albumin nanoparticles for delivery of antisense oligonucleotide

11:30AM

Hui Zhang, Research Assistant Professor
Single Molecule Approach to Study RNA Nanoparticles

11:45PM

Danny Jasinski, Visiting Scholar in P. Guo Lab
Development of Stable RNA Nanoparticles for Materials Science and Nanomedicine Applications

12:00PM

Mario Vieweger, Post-Doctoral Researcher in P. Guo Lab
Construction, Purification, and Characterization of G0-G4 RNA Dendrimers with PHI29 3WJ Modules

12:15PM **LUNCH**

Session III – HIV Biology, Drug Discovery, and Cancer Genomics

Moderator: Dr. Christopher Coss

- 1:15PM Stephanie Rebenburg, Post-Doctoral Researcher in M. Kvaratskhelia Lab
A novel biological role of HIV-1 integrase in virion morphogenesis
- 1:30PM Ashley Hoyte, Graduate Student in M. Kvaratskhelia Lab
Allosteric HIV-1 integrase inhibitors
- 1:45PM Ross Larue, Research Assistant Professor
Structural insights into BET proteins for retroviral integration and cancer
- 2:00PM Anees Dauki, Graduate Student in C. Coss/M. Phelps Labs
Androgen Receptor splice variants in Hepatocellular carcinoma
- 2:15PM Moray Campbell, Research Associate Professor
Retinoic acid receptor genomic interactions in prostate cancer progression
- 2:30PM Ming Poi, Assistant Professor, PPS
Excision Repair Gene Variants and Ex vivo DNA Repair Efficiency as Predictors for Clinical Outcome in High-dose Melphalan Autologous Transplant Multiple Myeloma Patients
- 2:45PM Ezgi Karaesmen and Abbas Rizvi, Graduate Students in L. Sucheston-Campbell Lab
Visualizing genomic results for team science: an example from the DISCOVeRY-bone marrow transplant (BMT) study

3:00PM **AFTERNOON BREAK**

Session IV – Drug Transporters in Disease and Treatment

Moderator: Dr. Navjot Pabla

- 3:30PM Yuntao Bai, Post-Doctoral Researcher in N. Pabla Lab
Identification of Aquaporins as Drug Transporters
- 3:45PM Muruganandan Shanmugam, Post-Doctoral Researcher in R. Govindarajan's lab
Role of equilibrative nucleoside transporters in bone development
- 4:00PM Bhawana Dikshit, Post-Doctoral Researcher in R. Govindarajan's lab
The dynamic regulation of autophagy by equilibrative nucleoside transporter-3
- 4:15PM Mitch Phelps, Associate Professor
Transport of immunomodulatory derivatives of thalidomide (IMiD) in multiple myeloma and bone marrow cells
- 4:30PM Shuiying Hu, Research Scientist in A. Sparreboom Lab
OATP1B and paclitaxel-induced neurotoxicity
- 4:45PM Alex Sparreboom, Professor
Uptake transporters and chemotherapy toxicity

5:00PM **COCKTAIL HOUR**

6:00PM **ADJOURN**