### ARRIVALS AND BREAKFAST
8:00AM
Welcome message from Division Chair, Sharyn Baker

### Session I – Translational Approaches in Cancer Therapeutics
**Moderator: Dr. Alex Sparreboom**

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| 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 p110δ 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**

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| 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 Rebensburg, 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