The Targeted Delivery to the Tumor Microenvironment Workshop is hosted by the Center for Nanotechnology in Drug Delivery and the Carolina Cancer Nanotechnology Training Program at the UNC Eshelman School of Pharmacy. Workshop content will focus on mechanisms to deliver therapeutic agents to tumors, and the workshop will combine didactic lectures with case study discussion and primary literature analysis. The workshop is open to interested postdocs and graduate students.

UNC

ESHELMAN SCHOOL OF PHARMACY

Center for Nanotechnology in Drug Delivery

Targeted Delivery to the Tumor Microenvironment Workshop

October 14-17, 2019

Monday October 14, 2019

1:00-2:15pm GMB 1007	**Dirk Dittmer, PhD** How oncogenic viruses deliver exosomal cargo to the tumor microenvironment and beyond
2:15-3:30pm GMB 1007	**Yevgeny Brudno, PhD** Refillable drug-delivery devices for cancer therapy
3:30-3:45pm	Break
3:45-5:00pm Marsico 4004	**Colette Shen, MD** Stereotactic radiosurgery

Tuesday October 15, 2019

1:00-2:15pm Marsico 4004	**Shawn Hingtgen, PhD** Developing tumor-homing stem cell therapies for cancer
2:15-3:30pm Marsico 4004	**Sam Lai, PhD** Elucidating the adaptive immune response to synthetic materials
3:30-3:45pm	Break
3:45-5:00pm Marsico 4004	**Rihe Liu, PhD** High affinity ligands for cancer cells

Wednesday October 16, 2019

1:00-2:15pm GMB 1007	**Yanguang Cao, PhD** Physiologically-based pharmacokinetic model for nanoparticles and protein drugs
2:15-3:30pm GMB 1007	**Aaron Anselmo, PhD** Delivery strategies for the microbiome
3:30-3:45pm	Break
3:45-5:00pm GMB 1007	**Andrew Wang, MD** Targeted delivery using radiotherapy as guidance

Thursday October 17, 2019

1:00-2:15pm Marsico 4004	**Elena Batrakova, PhD** Using macrophage-derived exosomes for targeted drug delivery to cancer cells
2:15-3:30pm Marsico 4004	**Sasha Kabanov, PhD, DrSci** Polymeric micelles
3:30-3:45pm	Break
3:45-5:00pm Marsico 4004	**Closing Roundtable Discussion** Led by Emily Harrison, PhD and Shahin Sendi, MD, PhD