

Cancer Engineering Day Agenda

Tuesday, September 22, 2026

Time	Title	Speaker
12:00-12:05 PM	Welcome	Kayvan R. Keshari, PhD Director, Center for Molecular Imaging and Bioengineering Member, Cell Biology Program Memorial Sloan Kettering
12:05-12:15 PM	Opening Remarks	Bruce J. Tromberg, PhD Director, National Institute of Biomedical Imaging and Bioengineering (NIBIB) National Institutes of Health
Session 1 <i>Moderator: Daniel Heller, PhD</i>		
12:15-12:40 PM	From Specificity to Scalability: Reframing TCR Biology for Cancer Immunotherapy	Christopher Klebanoff, MD Director, Center for Cellular Immunotherapy Associate Member, Immuno-Oncology Program Extramural Investigator, Parker Institute for Cancer Immunotherapy Memorial Sloan Kettering
12:40-12:55 PM	Metabolic Engineering via GLUT5 to Facilitate Solid Tumor CAR T Cell Therapies	Y. Skye Zhao, BS PhD Graduate Student <i>Mentor: Keshari, Cell Biology</i> Gerstner Sloan Kettering Graduate School Memorial Sloan Kettering
12:55-1:20 PM	Discovering the Next Immunotherapy Targets	Andy Minn, MD, PhD Chair, Immuno-Oncology Program Attending, Radiation-Oncology Memorial Sloan Kettering
1:20-1:45 PM	Decoding the Logic of Organelle Positioning using a Synthetic Organelle Platform	Christina Gladkova, PhD Assistant Member, Cell Biology Program Memorial Sloan Kettering
1:45-2:00 PM	Targeting Chronic Inflammation in Cancer and Fibrosis with Engineered Immune Cells	Zeda Zhang, PhD Damon Runyon Postdoctoral Fellow <i>Mentor: Lowe, Cancer Biology</i> Memorial Sloan Kettering
2:00-2:30 PM	COFFEE BREAK	
Session 2 <i>Moderator: Kayvan R. Keshari, PhD</i>		
2:30-3:00 PM	Inferring Tumor Organization from Spatial Data	Ben Raphael, PhD Professor, Computer Science Princeton University
3:00-3:15 PM	Shaping a Geometrical Model of Cell Fate Specification in the Developing Mouse Embryo	Woonyung Hur, PhD Postdoctoral Fellow <i>Mentor: Hadjantonakis, Dev Biology</i> Memorial Sloan Kettering
3:15-3:40 PM	Time-Resolved Lineage Recording for Tracking Metastasis	Junhong Choi, PhD Assistant Member, Developmental Biology Program Memorial Sloan Kettering
3:40-4:05 PM	Engineering Real-Time, Molecular Cancer Pathology with Chemical Imaging and AI	Rohit Bhargava, PhD Grainger Distinguished Chair in Engineering University of Illinois Urbana-Champaign
4:05-4:20 PM	ZFP36L2 Orchestrates Stress-Adaptive Plasticity in Intestinal Regeneration and Colorectal Cancer Metastasis	Manisha Raghavan, MS PhD Graduate Student <i>Mentor: Ganesh, Mol Pharmacology</i> Gerstner Sloan Kettering Graduate School Memorial Sloan Kettering

4:20-4:35 PM	Therapeutic Reprogramming of Hepatic Macrophages to Prime CD8+ T cells	Annie Ikemoto, BS PhD Graduate Student <i>Mentor: Heller, Mol Pharmacology</i> Gerstner Sloan Kettering Graduate School Memorial Sloan Kettering
4:35-5:00 PM	Nanoengineering for the Detection and Treatment of Cancer	Daniel Heller, PhD Member, Molecular Pharmacology Program Memorial Sloan Kettering
5:00- 6:30 PM	POSTER SESSION & EVENING RECEPTION	

Event Venue Information:

Mortimer B. Zuckerman Research Center Auditorium and Lobby
417 E. 68th Street New York, NY 10065