

**Institute for Innovation in Imaging
3rd Annual Symposium
Translational Imaging of Drug Action**

Preliminary Agenda
October 27th & 28th
zoom

Preliminary Agenda

DAY ONE (October 27, 2021)

Introduction – Moderated by Peter Caravan

Welcome	8:00 - 8:05	James Brink, MD MGH
The role of molecular imaging in therapeutics	8:05 - 8:35	Peter Caravan, PhD MGH
Fundamentals of PK/PD	8:35 - 9:05	Julie Price, PhD MGH
Q&A	9:05 - 9:35	

Preclinical Microscopy – Moderated by Matt Dubach

High content screening	9:35 - 10:05	Beth Cimini, PhD Broad
Machine learning in phenotypic screening	10:05 - 10:35	Michael Cuccarese, PhD Recursion
Screening for biomolecular Condensates	10:35 - 11:05	Matt Dubach, PhD MGH
Q&A	11:05 - 11:35	

Lunch Break 11:35 - 12:30

Pharmacokinetics – molecules to cells – Moderated by Monica Wey

Imaging protein therapeutics	12:30 - 1:00	Jason Lewis, PhD MSKCC
Imaging cellular therapeutics	1:00 - 1:30	Peter Choyke, MD NIH
Imaging small molecules	1:30 - 2:00	Monica Wey, PhD MGH
Q&A	2:00 - 2:30	

Pharmacodynamics – probe and technique development – Moderated by Eric Gale

MR imaging probes	2:30 - 3:00	Eric Gale, PhD MGH
Optical imaging	3:00 - 3:30	Sava Sakadzic, PhD MGH
PET probes	3:30 - 4:00	Changning Wang, PhD MGH
Q&A	4:00 - 4:30	

DAY TWO (October 28, 2021)

Preclinical Imaging of PD – Moderated by Mariane Le Fur

Imaging immunology	8:00 - 8:30	Christopher Garris, PhD MGH
MR imaging of PD	8:30 - 9:00	Mariane Le Fur, PhD MGH
PET imaging of PD	9:00 - 9:30	Shadi Esfahani, MD MGH
Q&A	9:30 - 10:00	

Translation and Clinical application – Moderated by John Chen

Industry perspective	10:00 - 10:30	Ned Keliher, PhD Pfizer
Drug development PK	10:30 - 11:00	Scott Turner, PhD Pliant
Drug Development PD	11:00 - 11:30	Ana Franceschi, MD, PhD Northwell
Q&A	11:30 - 12:00	

Lunch Break 12:00 - 1:00

PK/PD in the Body - Moderated by Umar Mahmood

Clinical need	1:00 - 1:30	Michael Gee, MD, PhD MGH
Established techniques	1:30 - 2:00	Umar Mahmood, MD, PhD MGH
Emerging techniques	2:00 - 2:30	Sydney Montesi, MD MGH
Q&A	2:30 - 3:00	

PK/PD in the Brain - Moderated by John Chen

Clinical need	3:00 – 3:30	John Chen, MD, PhD MGH
Established techniques	3:30 – 4:00	Martin Pomper, MD, PhD JHU
Emerging techniques	4:00 – 4:30	Tonya Gilbert, PhD Eikonizo
Q&A	4:30 - 5:00	

Concluding Remarks 5:00