Spotlight 5: Co-clinical Imaging in Precision Medicine

Thu, September 05
8:00 - 9:30
520a

Description

The National Cancer Institute (NCI) has recently launched the Co-Clinical Imaging Research Resources Program Network (CIRP). The CIRP is organized to advance the practice of precision medicine by establishing consensus-based best practices for co-clinical imaging and developing optimized state-of-the-art translational quantitative imaging methodologies to enable disease detection, risk stratification, and assessment/prediction of response to therapy. The session will highlight the utility of oncology models such as patient-derived tumor xenografts (PDX) and Genetically Engineered Mouse Models (GEMMs) in developing and optimizing quantitative imaging methodologies to advance precision imaging and therapy.

Moderator(s)

Moderator
John Clohessy, Beth Israel Deaconess Medical Center

Moderator
Kooresh Shoghi, Washington University School of Medicine

Presentations

08:00-08:10

Promise and Challenges of Co-Clinical Imaging (SPS 15)

Huiming Zhang, National Institutes of Health

08:10-08:30

The Mouse Hospital and Co-Clinical Paradigm: Propelling the development of precision medicine. (SPS 16)

John Clohessy, Beth Israel Deaconess Medical Center

08:30-08:50

The Duke Research Resources for Preclinical Imaging in Co-Clinical Trials (SPS 17)

Cristian T. Badea, Duke University

08:50-09:10

Penn Quantitative Imaging Resource for Pancreatic Cancer (SPS 18)

Rong Zhou, University of Pennsylvania

09:10-09:30

VU PREDICT (SPS 19)

H. Charles Manning, University of Texas MD Anderson Cancer Center