STUDY GROUP SESSION

Title: MR of Cancer
Day: Tuesday, 25 April 2017
Time: 08:15 - 10:15
Room #: Rm 323ABC

Study Group Chair, Arvind P. Pathak, Ph.D.; Vice Chair, Ferdia A. Gallagher, Ph.D.; Secretary, Simon P. Robinson, Ph.D.; Committee: Past Chair, Ralph P. Mason, Ph.D.; Trainee Representative, Siver A. Moestue, Ph.D.; 2017-2018 Incoming Committee: Sungheon Gene Kim, Ph.D.; Co-Trainee Representative, Eugene Kim, Ph.D. & Heling Zhou, Ph.D.

Overview: The theme of the session will be how one can exploit novel MRI/MRS approaches and complementary imaging methods to better characterize the hallmarks of cancer.

8:15 Introduction - Welcome & Business Meeting
Arvind P. Pathak, Ph.D.
Johns Hopkins Univ. School of Medicine, USA

Trainee Oral Presentations

8:25 Histology-Derived pseudo-Apparent Diffusion Coefficient for Investigations into the Nature of Water Diffusion in a Transgenic Model of Prostate Cancer
Matthew Blackledge, Ph.D.
Institute of Cancer Research, UK

8:37 CEST in Differentiation of Radiation Necrosis from Tumor Progression in Human Brain Metastases
Hatef Mehrabian, Ph.D.
University of California at San Francisco, USA

8:49 Low Vascular Function & Supply Renders Brain Metastases Susceptible to Radionecrosis after Stereotactic Radiotherapy
Ingrid Digernes, M.Sc.
Oslo University Hospital, Norway

9:01 Fluorine-19 MRI Cell Tracking Differentiates between Tumors of Varying Metastatic Potential & Detects Metastases in the Lungs & Lymph Nodes
Ashley V. Makela, B.Sc.
Robarts Research Institute, Canada

9:13 High-Throughput Analysis of Metabolic Flux using Microfluidic-Based Hyperpolarized NMR
Sangmoo Jeong, Ph.D.
Memorial Sloan Kettering Cancer Center, USA

Keynote Presentation

9:25 Exploring Breast Cancer with Multimodal Imaging
Kristine Glunde, Ph.D.
Johns Hopkins University SOM, USA

9:55 Awards & Closing Remarks
MR of Cancer Committee

10:15 Adjournment