

## 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
<b>Trainee Oral Presentations</b>		
8:25	<i>Histology-Derived pseudo-Apparent Diffusion Coefficient for Investigations into the Nature of Water Diffusion in a Transgenic Model of Prostate Cancer</i>	Matthew Blackledge, Ph.D. Institute of Cancer Research, UK
8:37	<i>CEST in Differentiation of Radiation Necrosis from Tumor Progression in Human Brain Metastases</i>	Hatef Mehrabian, Ph.D. University of California at San Francisco, USA
8:49	<i>Low Vascular Function &amp; Supply Renders Brain Metastases Susceptible to Radionecrosis after Stereotactic Radiotherapy</i>	Ingrid Digernes, M.Sc. Oslo University Hospital, Norway
9:01	<i>Fluorine-19 MRI Cell Tracking Differentiates between Tumors of Varying Metastatic Potential &amp; Detects Metastases in the Lungs &amp; Lymph Nodes</i>	Ashley V. Makela, B.Sc. Robarts Research Institute, Canada
9:13	<i>High-Throughput Analysis of Metabolic Flux using Microfluidic-Based Hyperpolarized NMR</i>	Sangmoo Jeong, Ph.D. Memorial Sloan Kettering Cancer Center, USA
<b>Keynote Presentation</b>		
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	