

## STUDY GROUP SESSION

**Title:** MR of Cancer

**Day:** Tuesday, 10 May 2016

**Time:** 16:00-18:00

**Room #:** Hall 405 E

**Study Group** Chair, Ralph P. Mason, Ph.D.; Secretary, Arvind P. Pathak, Ph.D., Ferdia A. Gallagher, Ph.D.;

**Committee:** Past Chair, Paula J. Foster, Ph.D.

*2016-2017 Incoming Committee: Secretary, Simon P. Robinson, Ph.D. ; Trainee Representative, Siver A. Moestue, Ph.D.*

**Overview:** MRI wins? MRI can provide insights into many parameters, but has limits. Integration with additional modalities may better serve scientific endeavor or prognostic/diagnostic needs. This session will consider pros and cons of diverse imaging modalities in interrogating tumors and seek to illuminate why a particular method, combination of methods and/or modalities provides optimal insights into the investigators questions.

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16:00	Introduction - Welcome & Business Meeting	Ralph P. Mason, Ph.D. UT Southwestern MC at Dallas, USA
	<b>Abstract Oral Presentations</b>	
16:15	<i>Treatment Planning for Ocular Tumors: MRI Beats Ultrasound</i>	Jan-Willem M. Beenakker, Ph.D. Leiden University Medical Center, The Netherlands
16:27	<i>Comparing Multiparametric MRI &amp; Photoacoustic Tomography to Evaluate Vascular Disruption in Tumors</i>	Heling Zhou, Ph.D. UT Southwestern Medical Center, USA
16:39	<i>Micro-CT Angiography &amp; DCE-MRI Reveal Differential Effects of Anti-Angiogenic Therapy on the Relationship between Tumor Vascular Structure &amp; Function</i>	Eugene Kim, Ph.D. Norwegian University of Science & Technology, Norway
16:51	<i>Multimodality Multiparametric <sup>18</sup>F-Fluciclovine PET/MRI for Computer-Assisted Detection of Primary Prostate Cancer</i>	Mattijs Elschoot, Ph.D. Norwegian University of Science & Technology, Norway
17:03	<i>Initial Experiences of Simultaneous In Vivo Metabolic Imaging using MRI, PET, &amp; Hyperpolarized <sup>13</sup>C MRSI from Rat Glioma Models</i>	Jae Mo Park, Ph.D. Stanford University, USA
17:15	<b>Keynote Speaker:</b> The Role of Simultaneous Multimodal MR-PET Imaging in Neuro-Oncology	N. Jon Shah, Ph.D. Forschungszentrum Juelich GmbH, Germany
17:45	Awards & Closing Remarks	Ralph P. Mason, Ph.D. UT Southwestern MC at Dallas, USA
18:00	Adjournment	