ISMRM-SNMMI Co-Provided Workshop on PET/MRI

Chicago, IL, USA • 26–29 October 2017

TARGET AUDIENCE:
The workshop is designed for MRI and PET physicists (pre- and post-doctoral students) interested in PET/MRI; radiologists and nuclear medicine physicians using or interested in becoming involved with PET/MRI; and members of the ISMRM PET/MRI study group and the SNMMI PET/MRI Task Force.

OVERVIEW
This workshop will focus on both the technical aspects of positron emission tomography (PET) Magnetic Resonance Imaging (MRI) as well as the clinical utility of PET/MRI. There will be sessions on technical developments such as novel MR attenuation correction techniques and approaches to motion correction.

In addition, sessions will be designed based on body parts for clinical and research applications (such as neurological, genitourinary and gynecological). Other sessions will highlight radiotracers to demonstrate how non-FDG tracers can be leveraged in novel ways using PET/MRI. The workshop will feature a mixture of invited scientific presentations, proffered papers, a poster session, small group discussions, and a keynote lecture. We will additionally have numerous panel discussions to foster an interactive discussion of the strengths and weaknesses of PET/MRI. Finally, we will have a morning session on the practical aspects of setting up a PET/MRI practices, with presentations from various PET/MRI groups. Young Investigator awards will be presented to students, or early-stage post-doctoral candidates or physicians, which will be selected from the oral paper presentations.

EDUCATIONAL OBJECTIVES
Upon completion of this activity, participants should be able to:
• Explain why attenuation correction is a challenge in PET/MRI and the various approaches being developed to solve this problem;
• Discuss how MR can be used to aid in PET motion correction;
• Evaluate prior and ongoing efforts to quantify the arterial input function from PET/MR images; and
• Summarize how PET/MRI is used clinically and the near term clinical applications.

FOR MORE INFORMATION INCLUDING HOUSING & REGISTRATION, PLEASE VISIT:
www.ismrm.org/workshops/PETMR17/

OR CALL: +1 510 841 1899