ISMRM Workshop on Advances in Multiscale Cancer Detection: From Micro to Macro

Dublin, Ireland • 07–10 October 2018

TARGET AUDIENCE:
The workshop is targeted toward basic scientists, physicians, and pharmaceutical companies using MRI/MRS in cancer; clinicians (oncologists, radiologists, pathologists, surgeons); and students, trainees, and postdoctoral fellows with an interest in cancer MRI/MRS.

Abstract Submission Deadline 1 August 2018.

EDUCATIONAL OBJECTIVES
Upon completion of this activity, participants should be able to:
• Explain concepts on imaging cancer from microscopic to macroscopic spatial scales;
• Demonstrate characterization of the tumor microenvironment with MRI/MRS and complementary modalities;
• Name the state of the art in clinical cancer biomarker development and early cancer detection;
• List novel imaging methods and contrast mechanisms for investigating cancer;
• Identify the latest nanoparticles and probes for cancer MRI;
• Describe ‘Cancer Systems Biology’ approaches;
• Recognize the role and challenges of using ‘Big Data’ and AI in cancer diagnosis and research;
• Define the role of molecular imaging in cancer research;
• Define the role of complementary modalities such as PET imaging in cancer diagnosis;
• Define the roles of industry-academic partnerships; and
• Recognize the challenges facing today’s junior investigators and develop means to navigate them.

OVERVIEW
This workshop will cover the latest advances in MRI/MRS of cancer from the microscopic to the macroscopic spatial scales. It will feature invited scientific presentations from leaders in the field, proffered papers, poster sessions, cutting-edge sessions on new topics (e.g. big data applications, academic industry partnerships, and issues for young investigators), and the Bill Negendank Memorial Lecture on a special topic of relevance to the study group’s membership.

The Bill Negendank Young Investigator Awards, for which students, trainees, and post-doctoral fellows are eligible, will also be awarded based on the quality of the presented work.

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FOR MORE INFORMATION INCLUDING HOUSING & REGISTRATION, PLEASE VISIT:
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