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ISMRM WORKSHOP SERIES 2018

GROUNDBREAKING MR SCIENCE • SUPERIOR MR EDUCATION • GLOBAL NETWORKING

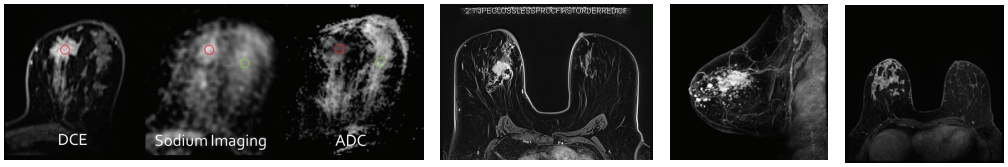
# ISMRM Workshop on Breast MRI: Advancing the State of the Art

In Affiliation with the
Society of Breast Imaging (SBI) & European Society of Breast Imaging (EUSOBI)

## Las Vegas, NV, USA • 10–13 September 2018

### TARGET AUDIENCE:

This workshop is targeted towards basic scientists and physicians using MR in breast disease diagnosis and research; clinicians (oncologists, radiologists, pathologists, surgeons, radiation oncologists); and Ph.D. students or residents starting in the field of breast imaging.

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## OVERVIEW

This workshop aims to gather technical and clinical experts in the field of MRI in breast cancer diagnosis and management. The advantages and shortcomings of the current techniques used in breast MRI will be discussed, as well as new and emerging approaches in the era of precision medicine, such as radiomics, radiogenomics, and big data. Other topics of discussion include correlation of MR imaging findings to epi-/ genomic, proteomic, transcriptomic and metabolomic information, and quantitative biomarkers for breast MRI. Newer applications such as IVIM, HP-MRI, DWI, DTI, multi-nuclei MRS, and elastography will also be presented.

The workshop will provide an open forum for discussion in which lessons learned are shared and the most promising avenues for clinical and technical research are highlighted. A large number of short proffered talks are intended, giving visibility to many young and experienced scientists and clinicians working in the field, and to a large array of subtopics in the area of breast imaging. It will offer clinical education to attendants with a technical background and technical education for clinicians new to breast MRI. The program will feature invited educational and scientific presentations, panels (including industry), proffered papers, and poster sessions.

## EDUCATIONAL OBJECTIVES

Upon completion of this activity, participants should be able to:

- Describe the standard clinical implementation and uses for breast MRI;
- Recognize possible pitfalls associated with the use of MRI in breast disease management;
- List the factors that can impact image quality in breast MRI and list solutions that can mitigate such problems;
- Explain the principles and use of breast DWI;
- Evaluate several emerging technologies that can complement standard dynamic contrast enhanced imaging;
- Relate how PET/PEM imaging can complement MRI for breast disease management; and
- Assess the landscape where MRI competitors will play in the future.

## FOR MORE INFORMATION INCLUDING HOUSING & REGISTRATION, PLEASE VISIT:

www.ismrm.org/workshops/2018/Breast/

## OR CALL: +1 510 841 1899

The International Society for Magnetic Resonance in Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The International Society for Magnetic Resonance in Medicine designates this live activity for a preliminary maximum of 16.00* *AMA PRA Category 1 Credits*™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

*preliminary credit designation; subject to change