

— INTERNATIONAL SOCIETY FOR —
ISMRM
MAGNETIC RESONANCE IN MEDICINE

 **ONE**
COMMUNITY
FOR CLINICIANS
AND SCIENTISTS

ISMRM WORKSHOP ON Breast MRI: Technological Advances & Clinical Applications

In Affiliation with the
European Society of Breast Imaging (EUSOBI);
Japanese Society of Breast Cancer Imaging (JSBCI); &
Society of Breast Imaging (SBI)

13-15 SEPTEMBER 2025

Renaissance Las Vegas Hotel
Las Vegas, NV, USA



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Takayoshi Uematsu, M.D., Ph.D.
Shizouka Cancer Center
Shizouka, Japan

SPEAKER UPLOAD INFORMATION

- Saturday, 13 September 2025 07:30-08:30
- Sunday, 14 September 2025 07:30-08:30
- Monday, 15 September 2025 07:30-08:00

PROGRAM CREDIT DESIGNATION

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 14.00* AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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CERTIFICATE OF PARTICIPATION

To obtain your Certificate of Participation for this workshop, log into the ISMRM membership portal at www.ismr.org, click the "Session Evaluations for Certificates" menu option, select "Begin Evaluation" next to the appropriate meeting name and follow the instructions provided.

Workshop Program

Day 1: Saturday, 13 September 2025 (5.25 CME Available)		
07:30	Registration & Speaker Upload Available	
08:30	Welcome	Linda Moy, M.D. New York University Cancer Institute New York, NY, USA
Session 1: Advantages & Disadvantages of Current Breast MRI Techniques		
Moderators: Roberto Lo Gullo, M.D. & Rebecca Rakow-Penner, M.D., Ph.D.		
08:40	Standard Protocols & Indications	Hiroko Satake, M.D., Ph.D. Nagoya University Hospital Nagoya, Japan
09:00	Standard Protocols Setup from MR Technologies	Sunitha Thakur, Ph.D. Memorial Sloan Kettering Cancer Center New York, NY, USA
09:20	Reporting of Breast MRI	Lilian Wang, M.D. Northwestern University Evanston, IL, USA
09:40	Q & A	Session Speakers
09:50	Keynote Address: Review of Breast MRI Guidelines	Ritse Mann, M.D., Ph.D. Radboud University Medical Center Nijmegen, The Netherlands
10:15	Q & A	Keynote Speaker
10:30	Break & Speaker Upload Available	
Moderator: Gordana Ivanac, M.D., Ph.D.		
11:00	Keynote Address: Risk Prediction in MRI	Despina Kontos, Ph.D. Columbia University New York, NY, USA
11:25	Q & A	Keynote Speaker
Moderators: Catherine Moran, Ph.D. & Natsuko Onishi, M.D., Ph.D.		
11:40	Power Pitch Session I	
	Machine Learning-Based Time-Intensity Curve Analysis for Differentiating Benign & Malignant Breast Lesions on Ultrafast DCE-MRI	Maya Honda, M.D., Ph.D. Kyoto University Hospital Kyoto, Japan
	Abbreviated Breast MRI: Active Scan Time vs. Total Exam Time	Leah Henze Bancroft, Ph.D. University of Wisconsin-Madison Madison, WI, USA
	Association of Fibroglandular Breast Tissue Characteristics from Multiparametric MRI with Cancer Risk Factors in Women Undergoing Breast Cancer Screening	Wesley Surento, M.Sc. University of Washington Seattle, WA, USA
	Evaluation of BPE & Recall Rate of Breast MRI Acquired with a High Relaxivity Contrast Agent	Federico Pineda, Ph.D. University of Pittsburgh Pittsburgh, PA, USA
	Model-Based Response Prediction & Personalization of Neoadjuvant Chemotherapy in Triple-Negative Breast Cancer	Mahesh Nandyala, Ph.D. University of Texas at Austin Austin, TX, USA
	Prediction of Early Response to Neoadjuvant Chemotherapy in Breast Cancer Using Magnetic Resonance Fingerprinting	Holly Marshall, M.D. University Hospital Cleveland Medical Center Cleveland, OH, USA
	Non-Contrast Detection of Breast Cancer Using High-Resolution Restriction Spectrum Imaging	Stephane Loubrie, Ph.D. University of California, San Diego San Diego, CA, USA

ISMRM Workshop on Breast MRI: Technological Advances & Clinical Applications

	<i>Specificity of Diffusion-Weighted Imaging (DWI) in Breast Lesions as a Function of Size</i>	Tina Chen, M.D. Stanford University Stanford, CA, USA
	<i>Clinical Utility of Supine Breath-Held T1-Weighted Breast DCE MRI</i>	Judith Zimmermann, Ph.D. Stanford University Stanford, CA, USA
	<i>Breast MRI for Patients with Active Implanted Metallic Devices (AIMDs): Safety Considerations & Clinical Case Studies</i>	Jeremiah Sanders, Ph.D. Mayo Clinic Arizona Phoenix, AZ, USA
12:30	Lunch & Speaker Upload Available Poster Viewing	
Session 2: Abbreviated & Ultrafast Breast MRI Protocols		
Moderators: Maya Honda, M.D., Ph.D. & Elizabeth Morris, M.D.		
14:00	<i>Abbreviated MRI</i>	Chris Comstock, M.D., FACR Weill Cornell Medicine New York, NY, USA
14:15	<i>FAST & ULTRAFast Imaging</i>	Ken Yamaguchi, M.D. Saga University Hospital Saga City, Japan
14:30	<i>Contrast-Enhanced X-Ray Imaging</i>	Janice Sung, M.D. Columbia University New York, NY, USA
14:45	<i>Contrast-Enhanced Ultrasound</i>	Panagiotis Kapetas, M.D., Ph.D. Columbia University Medical Center New York, NY, USA
15:00	<i>Low-Dose & Gadolinium-Free Simulated Contrast MRI</i>	Maggie Chung, M.D. University of California, San Francisco San Francisco, CA, USA
15:15	Keynote Address: <i>The Future of Functional Imaging: Tying It Together</i>	Basak Dogan, M.D. University of Texas Southwestern Medical Center Dallas, TX, USA
15:30	Q & A	Session Speakers
15:45	Break & Speaker Upload Available Poster Viewing	
Moderator: Brian Hargreaves, Ph.D.		
16:00	Power Pitch Session II (No CME Available)	
	<i>Accelerated DCE Breast MRI Using Deep Learning: Initial Experiences</i>	Leah Henze Bancroft, Ph.D. University of Wisconsin-Madison Madison, WI, USA
	<i>Reduction of Noise & Artifacts in MUSE Breast DWI Using Deep Learning-Based Phase Correction: A Phantom & Reader Study</i>	Pingni Wang, Ph.D. GE HealthCare Los Angeles, CA, USA
	<i>High Resolution Multi-Shot EPI with Image Reconstruction Using Image Space Sampling (IRIS) Technique for Breast DWI: Clinical Experience at 3T</i>	Debosmita Biswas, M.Sc. University of Washington Seattle, WA, USA
	<i>Relationship of Breast Density & Body Mass Index to Image Quality of Multi-Shot Echo-Planar Diffusion-Weighted Imaging for In Vivo Breast Cancer Screening</i>	Kalina Jordanova, Ph.D. Stanford University Stanford, CA, USA
	<i>Optimized Dynamic Slide-by-Slice B0 Shimming in Breast Diffusion MRI</i>	Ante Zhu, Ph.D. GE HealthCare Technology & Innovation Center Niskayuna, NY, USA
	<i>Distortion-Free Diffusion-Weighted Imaging in the Breast Using Self-Navigated Acquisition & Subspace Reconstruction</i>	Xuetong Zhou, M.Sc. Stanford University Stanford, CA, USA

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	<i>Neural Controlled Differential Equation (NCDE) for IVIM Analysis in Flow Phantom & Multisite Breast Cancer Patients</i>	Dibash Basukala, Ph.D. New York University Langone Health New York, NY, USA
	<i>Ultra-Low Field Breast MRI</i>	Sheng Shen, Ph.D. Athinoula A. Martinos Center for Biomedical Imaging & Massachusetts General Hospital Charlestown, MA, USA
	<i>Feasibility of Non-Contrast-Enhanced, Supine Breast MRI at 0.55T</i>	Olivia Eshleman, B.Sc. Ohio State University Columbus, OH, USA
	<i>Advancing Breast MRI Through the Development of a 60-Channel Supine Breast Coil</i>	Jana Vincent, Ph.D. GE HealthCare Aurora, CO, USA
	<i>Relative SNR Measurements in Supine vs. Prone Breast MRI with Accelerated Imaging</i>	Jeremiah Hess, M.Sc. Stanford University Stanford, CA, USA
	<i>Flexible Coils & Cushion Support Structures for Prone Breast MRI</i>	Brandy Griffith, D.O. Ohio State University Columbus, OH, USA
	<i>Non-Contrast MR Galactography Instead of Conventional Galactography for Women with Suspicious Ductal Secretions</i>	Yanlu Wang, Ph.D. Karolinska University Hospital Solna, Sweden
	<i>Sequence-Specific Geometric Distortions in Breast MRI at 3T: A Phantom-Based Analysis</i>	Klara Mišák, M.Sc. University College London London, England, UK
	<i>T1rho-Weighted MRI of the Breast at Ultra-Low Field (6.5 mT) Using a bSSFP-Based Sequence</i>	Sheng Shen, Ph.D. Athinoula A. Martinos Center for Biomedical Imaging & Massachusetts General Hospital Charlestown, MA, USA
	<i>Evaluating the Stability & MRI Relaxation Properties of Alginate for Breast Phantom Development</i>	Klara Mišák, M.Sc. University College London London, England, UK
17:15	Adjourn & Dinner On Own	

Day 2: Sunday, 14 September 2025 (5.25 CME Available)

07:30	Registration & Speaker Upload Available	
Session 3: AI & Breast MRI		
Moderators: Valeria Romeo, M.D., Ph.D. & Savannah Partridge, Ph.D.		
08:30	AI, What Are These Models?	Jonas Teuwen, Ph.D. Netherlands Cancer Institute Amsterdam, The Netherlands
08:50	AI, What Is In the Machine? Denoising & Motion Correction	Sachin Jambawalikar, Ph.D. Columbia University Medical Center New York, NY, USA
09:10	Classification & Characterization	Masako Kataoka, M.D., Ph.D. Kyoto University Kyoto, Japan
09:30	Detection	Jonas Teuwen, Ph.D. Netherlands Cancer Institute Amsterdam, The Netherlands
10:00	Response Prediction & Assessment	Gaiane M. Rauch, M.D., Ph.D. University of Texas MD Anderson Cancer Center Houston, TX, USA

ISMRM Workshop on Breast MRI: Technological Advances & Clinical Applications

10:30	Q & A	Session Speakers
10:45	Break & Speaker Upload Available Poster Viewing	
Moderators: Ritse Mann, M.D., Ph.D. & Linda Moy, M.D.		
11:15	LLMs in Patient Planning & Logistics	Dorothy Sippon, Columbia University New York, NY, USA
11:35	AI for Triage: Mammo & MRI	Sarah Eskreis-Winkler, M.D., Ph.D. Memorial Sloan Kettering Cancer Center New York, NY, USA
11:55	Q & A	Session Speakers
12:10	Lunch & Speaker Upload Available Poster Viewing	
Session 4: Quality Assurance, Standardization & Benchmarking in Breast MRI, Includes Radiomics		
Moderators: Maggie Chung, M.D. & Mami Iima, M.D., Ph.D.		
13:40	Artifacts & AI Hallucinations & How To Reduce Them	Gene Kim, Ph.D. Weill Cornell Medical College New York, NY, USA
14:00	Standardization & Quality Assurance of Breast DCE-MRI for Assessing Response to Neoadjuvant Treatment	Nola Hylton, Ph.D. University of California, San Francisco San Francisco, CA, USA
14:20	Standardization of DWI	Savannah Partridge, Ph.D. University of Washington Seattle, WA, USA
14:40	Low Field, Where Are We Going?	Kathryn Keenan, Ph.D. National Institution of Standards & Technology Boulder, CO, USA
15:00	High Field, Where Are We Going?	Patrick Bolan, Ph.D. University of Minnesota Minneapolis, MN, USA
15:20	Q & A: Panel Discussion on Sustainability	Mami Iima, M.D., Ph.D. Bonnie Joe, M.D., Ph.D., Elizabeth Morris, M.D., F.A.C.R. & Linda Moy, M.D.
15:40	Break & Speaker Upload Available Poster Viewing	
Moderators: Christiane Kuhl, Ph.D., Catherine Moran, Ph.D. & Linda Moy, M.D.		
16:10	Vendor Panel: Partnerships in Science (No CME Available)	
17:30	Adjourn & Dinner On Own	

Day 3: Monday, 15 September 2025 (3.50 CME Available)

07:30	Registration & Speaker Upload Available	
Session 5: Multiparametric & Multimodal Breast MRI		
Moderators: Bonnie Joe, M.D., Ph.D. & Gene Kim, Ph.D.		
08:00	Multiparametric & Multimodal Breast Imaging	Katja Pinker-Domenig, M.D., Ph.D. Columbia University New York, NY, USA
08:15	Advanced Multiparametric Imaging: CEST, Lipid & Deuterium	Sunitha Thakur, Ph.D. Memorial Sloan Kettering Cancer Center New York, NY, USA
08:30	Q & A	Session Speakers
08:40	Break & Speaker Upload Available Poster Viewing	

ISMRM Workshop on Breast MRI: Technological Advances & Clinical Applications

09:10	<i>MRI, How Far We Have Made It: Ph.D.</i>	Leah Henze Bancroft, Ph.D. University of Wisconsin-Madison Madison, WI, USA
09:30	<i>MRI, How Far We Have Made It: M.D.</i>	Christiane Kuhl, Ph.D. RWTH Aachen University Hospital Aachen, Germany
09:50	Q & A	Session Speakers
10:05	Keynote Address: <i>Unsolved Problems & How To Make True Impact</i>	Bruce Lewis Daniel, M.D. Stanford University Stanford, CA, USA
10:25	Q & A	Session Speakers
10:45	<i>Delphi & Consensus Statement Regarding the Future of Breast MRI</i>	Masako Kataoka, M.D., Ph.D. Kyoto University Kyoto, Japan
11:20	Joint Position Paper I	TBA
11:40	Joint Position Paper II	TBA
11:55	Outcome & Action	Linda Moy, M.D. New York University Cancer Institute New York, NY, USA
12:00	Adjourn	

Posters

POSTER	TITLE	AUTHOR
1	<i>Machine Learning-Based Time-Intensity Curve Analysis for Differentiating Benign & Malignant Breast Lesions on Ultrafast DCE-MRI</i>	Maya Honda, M.D., Ph.D. Kyoto University Hospital Kyoto, Japan
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19	<i>Feasibility of Non-Contrast-Enhanced, Supine Breast MRI at 0.55T</i>	Olivia Eshleman, B.Sc. Ohio State University Columbus, OH, USA
20	<i>Advancing Breast MRI Through the Development of a 60-Channel Supine Breast Coil</i>	Jana Vincent, Ph.D. GE HealthCare Aurora, CO, USA
21	<i>Relative SNR Measurements in Supine vs. Prone Breast MRI with Accelerated Imaging</i>	Jeremiah Hess, M.Sc. Stanford University Stanford, CA, USA
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26	<i>Evaluating the Stability & MRI Relaxation Properties of Alginate for Breast Phantom Development</i>	Klara Mišak, M.Sc. University College London London, England, UK

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