



THE 2026 HAMPTON-ABRAMS SYMPOSIUM

The Augmented Radiologist: AI, Automation, & Human Expertise

The Mass General Brigham (MGB) Department of Radiology—dedicated to fostering professional, scientific, and clinical engagement among our radiology faculty & alumni—will host the **Hampton–Abrams Symposium on Friday, April 3, 2026.**

The program will begin at **12:00 PM** in the Bornstein Family Amphitheater (BWH) and the O. Robert Robbins Auditorium (MGH), with virtual attendance available.

Our 2025 Distinguished Alumnus will open the symposium with a keynote address, followed by an afternoon of lectures exploring timely and impactful topics in radiology and medicine.

Distinguished Alumnus Lecturer 2026



Ainsley MacLean, MD, FACR

Co-General Partner, Ainsley Capital

Founding Partner of Ainsley Advisory Group

Prior Inaugural Chief AI Officer at Kaiser Permanente

Ainsley MacLean, MD, FACR is a Co-General Partner at Ainsley Capital alongside Sufian Chowdhury. The firm focuses on transforming care delivery and expanding access across underserved communities by scaling healthcare logistics, care coordination, home-based services, and transportation infrastructure. Its work leverages artificial intelligence to optimize access, operational efficiency, and the reliability of care delivery.

Dr. MacLean is also the Founding Partner of Ainsley Advisory Group, a healthcare AI advisory firm specializing in go-to-market strategy for technology companies whose core products leverage artificial intelligence and are seeking to scale across healthcare systems.

Previously, she served as the inaugural Chief AI Officer at Kaiser Permanente, where she led large-scale AI deployments and digital innovation initiatives, co-founded the Permanente AI Center of Excellence, advised on Kaiser Permanente's first national AI strategy, and was a member of Kaiser Permanente Ventures.

A Harvard-trained neuroradiologist who remains active in clinical practice with Kaiser Permanente Northern California and Biograph, Dr. MacLean brings deep clinical and academic expertise to her work, ensuring AI-driven innovation remains grounded in the realities of care delivery.

The 7th Annual Ainsley G. Harpison/Herbert J. Abrams Lecturer



Course Overview

The Hampton-Abrams Symposium is designed to educate practicing radiologists and radiology trainees about advancements in the field of medicine and imaging. Faculty of Harvard Medical School will give lectures. Topics selected seek to educate attendees on recent advances in imaging technology. The title for this year's course theme is "The Augmented Radiologist: AI, Automation & Human Expertise" and seeks to present new technologies being developed and their clinical applications. All speakers are well known in their respective fields and have been speakers at recent national and international radiology conferences.

The symposium is designed to improve learner knowledge so that participating radiologists can apply new strategies in their clinical practice, thereby improving performance in practice. This year's theme will allow learners to acquire knowledge in regard to advances in AI.

Learning Objectives

Upon completion of this course, participants will be able to:

1. **Describe** current and emerging applications of artificial intelligence across the radiology imaging value chain, including clinical interpretation, workflow, reporting, and education.
2. **Explain and evaluate** the principles of AI development, validation, and performance assessment to determine clinical effectiveness, safety, and value in radiology practice.
3. **Apply practical strategies** for integrating AI technologies into radiology workflows to augment human expertise and enhance patient-centered care, education, and operational efficiency.

Accreditation

In support of improving patient care, Mass General Brigham is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

Mass General Brigham designates this live activity for a maximum of **4.00 AMA PRA Category 1 Credit(s)™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Symposium Locations

MGH Location: Robbins Conference Room, located on the 2nd floor of the Austen Building.

BWH Location: Bornstein Amphitheater, located on the 2nd floor "Pike" of Brigham and Women's Hospital near the 45 Francis Street entrance.

The Hampton–Abrams Symposium

The Augmented Radiologist: AI, Automation, and Human Expertise

Friday, April 3, 2026

Location: Bornstein (BWH), Robbins (MGH)
(Evening reception & keynote at 60 State Street)

12:00 – 12:05 PM

Welcome and Opening Remarks

Jim Brink, MD

Chair of the Department of Radiology for Mass General Brigham

12:05 – 12:45 PM (40 minutes)

From Pilot to Platform: Operationalizing AI at Scale in Healthcare

Ainsley MacLean, MD, FACR

Distinguished Alumnus Lecture

Co-General Partner, Ainsley Capital; Former CAIO and SVP of Radiology, Kaiser Permanente; Practicing Neuroradiologist

12:45 – 12:55

Q/A

12:55 – 1:00

Symposium overview, learning objectives, and framing of “augmentation” in radiology

Khushboo Jhala, MD, MBA

Co-Chair, Hampton Abrams Organizing Committee

Assistant Academic Director of Career Transitions, MGB Radiology

Director of Alumni Relations, BWH Radiology

Session I: Global AI Ethos, Ethics, and Regulation

1:00 – 1:10 (10 min)

Global Overview of Enterprise AI, Informatics Infrastructure, and Clinical Translation

Kathy Andriole, PhD

Assoc. Dean for Health AI Strategy & Innovation UCLA David Geffen School of Medicine

Director UCLA Center for AI and SMART Health

Professor of Radiological Sciences, Professor of Bioengineering

1:10 – 1:20 (10 min)

The Evolution of Radiology AI

Bernardo Bizzo, MD, PhD

Senior Director at the Mass General Brigham (MGB) AI

Assistant Professor of Radiology, Harvard Medical School

1:20 – 1:30 (10 min)

AI Vision Agents for Radiology Analysis

Adrian Dalca, PhD

Assistant Professor and Director of the Computational Core A.A. Martinos Center for Biomedical Imaging

Massachusetts General Hospital

1:30 – 1:40 : Q/A (10 min)

Session II: From Protocol to Pixel – AI in Acquisition & Image Computing

1:40 – 1:50 (10 min)

Using LLMs to Generate Structured Knowledge of Automated Radiology Operations

Tarik Alkasab, MD, PhD

Medical Director, Enterprise IT/Informatics

Department of Radiology

Assistant Professor, Harvard Medical School

1:50 – 2:00 (10 min)

From Images to Impact: Medical Image Computing

Ron Kikinis, MD

B. Leonard Holman Professor of Radiology, Harvard Medical School,

Founding Director, Surgical Planning Laboratory

Department of Radiology, Brigham and Women's Hospital

2:00 – 2:05 (5 min)

Q/A

Session III: From Image to Interpretation — Augmented Diagnosis & Decision Support

2:05 – 2:10 (5 min)

AI Enabled Autonomous Interventional Robotics

Anthony Samir, MD MBBCH

Associate Chair of MGH Medical Imaging Sciences

Associate Professor of Radiology, Harvard Medical School

2:10 – 2:15 (5 min)

Medical Robotics and Image-Guided Therapy

Nobuhiko Hata, PhD

BWH Director of Innovations, Director of SNR Lab

Professor, Department of Radiology

Brigham and Women's Hospital and Harvard Medical School

2:15 – 2:25 (10 min)

AI Innovation in Thoracic and Breast Imaging

Florian Fintelmann, MD

MGH Medical Director of Thoracic Imaging

Associate Professor of Radiology, Harvard Medical School

Manisha Bahl, MD, MPH

MGB Associate Medical Director of Quality for Breast Imaging

Associate Professor of Radiology, Harvard Medical School

2:25 – 2:35 (10 min)

AI tools for adrenal mass detection and characterization

Dan Glazer, MD

MGB CT Service Chief

Associate Professor of Radiology, Harvard Medical School

William Mayo-Smith, MD

MGB Vice Chair of Education

Professor of Radiology, Harvard Medical School

2:35 – 2:45 (10 min)

Q/A

Session IV: Beyond Interpretation – From Execution to Education

2:45 – 2:55 (10 min)

Systems Engineering, Scheduling Intelligence, and Scalable AI Frameworks

Oleg Pinykh, PhD, Director, Center for Applied Data Science (CADENCE), MGB Radiology, Director, Medical Analytics Group, MGB Radiology, Assistant Professor of Radiology, Harvard Medical School

2:55– 3:05 (10 min)

AI-Driven Workflow Optimization and Predictive Operations

Aaron Sodickson, MD, PhD, Chief of MGB Emergency Radiology

3:05 – 3:15 (10 min)

Opportunities and Pitfalls in AI-assisted Report Impression Generation

Mark Hammer, MD

Associate Professor of Radiology, Harvard Medical School

Medical Director of Thoracic Imaging, Brigham and Women's Hospital

Khushboo Jhala, MD, MBA

Co-Chair, Hampton Abrams Organizing Committee

Assistant Academic Director of Career Transitions, MGB Radiology

Director of Alumni Relations, BWH Radiology

3:15 – 3:25 (10 min)

AI Applications in Education

Laura Avery, MD

MGB Radiology Academic Director, Education Innovation

Assistant Professor of Radiology, Harvard Medical School

From Training to Mastery: Building Your Personalized 'Diagnostic Persona' through Safe AI

Synho Do, PhD

MGH Director

Lab of Medical Imaging and Computation,

Assistant Professor of Radiology, Harvard Medical School, Kempner Institute

3:25 – 3:30 (5 min)

Q/A

Session V: Rapid-Fire Innovation Labs: AI Across the Imaging Value Chain

3:30 – 4:00 (30 min)

Short, high-impact presentations highlighting emerging technologies, translational research, and near-term clinical applications.

“AI-Driven Real-Time Needle Tracking for MRI-Guided Interventions”

Mariana Costa Bernardes Matias, PhD

Instructor of Radiology, Harvard Medical School

“Intelligent EndoExplorer: A Virtual Interactive System for Endoscopic Visualization and Anatomical Structure Tracking”

Ruofeng Wei, PhD

Research Fellow, Brigham and Women’s Hospital

“AI-Assisted Monitoring for MRI-Guided Cryoablation”

Junichi Tokuda, PhD

Associate Professor of Radiology, Harvard Medical School

“Integrated Human and AI Ultrasound Guided Intervention”

Theodore T. Pierce, MD, MPH

Assistant Professor of Radiology

“Beyond FAST: Contrast Enhanced Ultrasound Imaging of Torso Bleeding”

Ion Candel, PhD

Instructor of Radiology, Harvard Medical School

“Large Language Model Identification of Adverse Events Compared with Self-Reporting”

Vincent Wu, MD

Associate Medical Director of Radiology Quality, Interventional Radiology, Mass General Brigham

Instructor of Radiology, Harvard Medical School

Vascular and Interventional Radiology, Massachusetts General Hospital

“Large Language Model Identification of Adverse Events Compared with Self-Reporting”

Jeff Guenette, MD, MPH

Associate Professor of Radiology, Harvard Medical School

Associate Medical Director for Radiology Quality, Neuroradiology, Mass General Brigham

Associate Director, Center for Evidence-Based Imaging, Brigham and Women’s Hospital

“AI Model to Predict Future Risk of Pancreatic Cancer”

Arya Haj-Mirzaian, MD, PhD

Instructor of Radiology, Harvard Medical School

Abdominal Radiology, Brigham and Women’s Hospital

“From Recommendation to Action: Extracting and Structuring Recommendations for Additional Imaging with Large Language Models to Improve Safety and Efficiency”

Nooshin Abbasi, MD

R2 Resident BWH Diagnostic Radiology

“The Radiology AI Climbing Wall: A Framework for Early Career AI Engagement Across Six Levels of Impact”

Neil K. Bhatia, MD

Chief Resident BWH Diagnostic Radiology

“StereoNeRF: 3D Reconstruction of Surgical Scenes from Stereo Laparoscopy Videos”

Weiming Mi, PhD

Research Fellow, Brigham and Women’s Hospital

4:00 – 4:05

Closing Remarks and Awards Prior to Poster Session

Khushboo Jhala, MD, MBA, Assistant Academic Director Career Transitions

4:05 – 4:30 PM

Poster Session and Close

Organizing Committee

James A. Brink, MD

Chief, Enterprise Radiology, Mass General Brigham
Radiologist-in-Chief, Massachusetts General Hospital
Chair, Department of Radiology, Brigham & Women's Hospital
Juan M. Taveras Professor of Radiology, Harvard Medical School

Raul N. Uppot, MD FSAR, FSIR

Co-Chair of the Hampton-Abrams Organizing Committee
MGB AMC Division Chief of Interventional Radiology
Associate Professor of Radiology, Harvard Medical School
Interventional Radiologist, Massachusetts General Hospital

Khushboo Jhala, MD, MBA

Co-Chair of the Hampton-Abrams Organizing Committee
Assistant Academic Director of Career Transitions
Director of Alumni Relations, Brigham & Women's Hospital
Instructor of Radiology, Harvard Medical School

Committee Members

Fiona M. Fennessy, MB BCh, PhD
William W. Mayo-Smith, MD
Michael S. Gee, MD
Catherine S. Giess, MD
Thersa C. McLoud, MD
Michael H. Lev, MD
Efren J. Flores, MD
Sjirk J. Westra, MD