The ACADEMY for Radiology & Biomedical Imaging Research

Advancing Innovation in Imaging Science

Academy Research Roundtable Discussion

AAAS Headquarters

1200 New York Ave., NW

Washington, DC, 20005

Wednesday, March 25, 2026

8:00 am – 4:00 pm ET

Map & Directions | American Association for the Advancement of Science (AAAS)

View the attendees list here.

7:00 am **AAAS Auditorium Lobby: Badge Pick Up & Breakfast**

Breakout rooms available for breakfast

8:00 am **AAAS Auditorium: Welcome & Opening Remarks**

Pamela K. Woodard, MD, Chair of the Department of Radiology, Washington University School of Medicine in St. Louis, President of the Academy

Elias Zerhouni, MD, Professor Emeritus, Johns Hopkins University; Former NIH Director, 2002-2008; President and Vice Chair of Board, OPKO Health

Bruce J. Tromberg, PhD, Director of the National Institute of Biomedical Imaging and Bioengineering (NIBIB) at the National Institutes of Health

9am-12pm **First Session**

9:00-9:30am **Framing of discussion-by-discussion leads**

Discussion Leads

Mark Anastasio, PhD, Vice Chair, Imaging Sciences and AI Research; Mallinckrodt Endowed Professor in Imaging Sciences; Director, Center for Computational and AI-Enabled Imaging Sciences, Washington University in St. Louis

Katherine Andriole, PhD, Associate Dean for Health Artificial Intelligence (AI) Strategy and Innovation, University of California at Los Angeles (UCLA); Director for the UCLA Center for AI and SMART Health; Professor of Radiological Sciences and Bioengineering

Tessa Cook, MD, PhD, Associate Professor of Radiology, Vice Chair of Practice Transformation, University of Pennsylvania

Judy Gichoya, MD, MS, William and Kay Casarella Professor of Radiology, Emory University

Leveraging a Collaborative, Strategic Approach to Prepare for AI-Driven Advances in Imaging Research

A coordinated effort among the federal government, academia, and industry is essential to prepare for advances in AI systems that are poised to transform imaging research.

1. How can stakeholders proactively leverage and prepare for advances in AI systems that may fundamentally change imaging research and its applications?
    - What infrastructure investments, organizational frameworks, and workforce development strategies are required to realize these capabilities while maintaining scientific rigor, transparency, and research integrity?

2. How do academic researchers contribute to AI development?
    - Balancing industry resources vs. academic constraints.
3. How do clinicians contribute to AI development while balancing increasing clinical demands?

4. What institutional and national governance frameworks and evaluation processes are needed to ensure AI models are appropriately tested, monitored, and refined over time?

5. What responsibilities do each of the respective stakeholders have regarding AI's further advancement in radiology and imaging research?
    - Stakeholders
        - Academic
            1. Researcher
            2. Clinician
        - Industry
        - Federal Agencies
        - Professional Societies

9:30am-9:40am	Transition to breakout sessions & bio break
9:40am-10:35am	Breakout session
10:35am-10:45am	Transition back to plenary session in Auditorium
10:45am-11:25am	Group report outs
11:25-12noon	Group discussion
Noon-1:00pm	Networking Lunch in breakout rooms

1pm-4pm Second Session

1:00pm-1:30pm **Framing of discussion-by-discussion leads**

Discussion Leads

Rich Mather, PhD, President, Canon Medical Research USA, Inc.

Carolyn Meltzer, MD, Dean and Professor of Radiology, Keck School of Medicine, USC

Rebecca Rakow-Penner MD, PhD, Associate Professor of Radiology, University of California, San Diego

Strengthening the Pipeline: Supporting Individuals at Every Stage

1. If science is to fully benefit from the talents of individuals from all backgrounds, what programs, resources or initiatives will preserve and expand pathways that enable capable, motivated people to enter and thrive in medical imaging research?

2. As the scientific landscape continues to evolve, how can training programs be designed to foster communication and collaboration across disciplines and sectors, while also stimulating creativity, innovation, and a sense of urgency?

3. What strategies will best support the retention, development, and productivity of researchers at every stage of their careers?

4. How can academic departments help their faculty balance the need for protected research time and the demand for providing clinical services, which are often at odds?

1:30pm-1:40pm Transition to breakout sessions & bio-break

1:40pm-2:40pm Breakout session

2:40pm-2:50pm Transition back to plenary session & bio-break

2:50pm-3:20pm Group report outs

3:20pm-4:00pm Group discussion

4:00pm Close of day