



# 12th Annual BMEI Symposium

The Precision Medicine Imperative:  
The Quest to Extend Healthspan

**March 20–21, 2024**



Icahn School  
of Medicine at  
Mount  
Sinai

*BioMedical Engineering  
and Imaging Institute*

Venue:  
New York Academy of Medicine  
1216 Fifth Avenue, New York, NY



Icahn School  
of Medicine at  
Mount  
Sinai

*BioMedical Engineering  
and Imaging Institute*

# Wednesday, March 20

9–10 am	<a href="#">Registration, Breakfast, and Networking</a>   President's Gallery, First Floor
10–10:15 am	<a href="#">Welcome Remarks</a>   Hosack Hall, First Floor <b>Zahi A. Fayad, PhD</b> , Director, BioMedical Engineering and Imaging Institute, Icahn School of Medicine at Mount Sinai School
10:15–10:30 am	<a href="#">Welcome Remarks</a>   Hosack Hall, First Floor <b>Dennis S. Charney, MD</b> , Anne and Joel Ehrenkranz Dean, Icahn School of Medicine at Mount Sinai, President for Academic Affairs, Mount Sinai Health System
10:30–11:30 am	<a href="#">Panel Session: Wellness, Screening, and Lifespan</a>   Hosack Hall, First Floor Moderator: <b>David Luu, MD</b> , CEO of Hearty Longevity Clinics, Founder of Longevity Docs Network Speakers: <ul style="list-style-type: none"><li>• <b>Sarah Pesce</b>, Chief Operating Officer, Thorne Lab</li><li>• <b>Nathan Price, PhD</b>, Chief Scientific Officer, Thorne HealthTech</li><li>• <b>Sean London, MD</b>, Lead Radiologist, Prenuvo</li><li>• <b>Thomas Witzel, PhD</b>, VP Radiomics, Q Bio</li><li>• <b>Giuseppe Petralia, MD</b>, Department of Oncology and Hemato-Oncology, University of Milan, Division of Radiology, Department of Medical Imaging and Radiation Sciences, IEO European Institute of Oncology IRCCS</li></ul>
11:30 am–12:30 pm	<a href="#">Panel Session: Accelerating the Clinical Translation of Nanotherapeutics</a>   Hosack Hall, First Floor Moderator: <b>Abraham J.P. Teunissen, PhD</b> , Assistant Professor Director of Radiochemistry, BioMedical Engineering and Imaging Institute Icahn School of Medicine at Mount Sinai Speakers: <ul style="list-style-type: none"><li>• <b>Daniel G. Anderson, PhD</b>, Massachusetts Institute of Technology</li><li>• <b>Cristianne JF Rijcken, PharmD, PhD</b>, CSO Cristal Therapeutics and CEO Liberates</li><li>• <b>Daniel A. Heller, PhD</b>, Member, Molecular Pharmacology Program, Memorial Sloan Kettering Cancer Center</li><li>• <b>Juliane Nguyen, PhD</b>, University of North Carolina at Chapel Hill</li></ul>
12:30–2 pm	<a href="#">Lunch</a>   Reading Room, Third Floor
1–4 pm	<a href="#">Young Scholar Sessions</a>
1:15–2 pm	<a href="#">Professional Development Panel</a>   Hosack Hall Moderators: <b>Vivek Yadav and Hannah Kittrell</b> , BioMedical Engineering and Imaging Institute, Icahn School of Medicine at Mount Sinai Speakers: <ul style="list-style-type: none"><li>• <b>Julia Nanyi Zhao, PhD</b>, Global Director of Operations at Nucleate Bio</li><li>• <b>Nathaniel Swinburne, MD</b>, Director of Radiology Informatics, Memorial Sloan Kettering Cancer Center</li><li>• <b>Stephen José Hanson, PhD</b>, Rutgers University, Psychology, RUBIC</li></ul>
2–3 pm	<a href="#">Panel Session: The importance of accessible MRI for the world</a>   Hosack Hall, First Floor Moderator: <b>Akbar Alipour, PhD</b> , Assistant Professor, Biomedical Engineering in Radiology, Icahn School of Medicine at Mount Sinai Speakers: <ul style="list-style-type: none"><li>• <b>Matthew Rosen, PhD</b>, MGH/Martinos Center for Biomedical Imaging, Harvard Medical School</li><li>• <b>Edmond A. Knopp, MD</b>, Vice President of Medical Affairs, Hyperfine, Inc.</li><li>• <b>Marc Dubois, PhD</b>, Multiwave Imaging, Aix-Marseille Université, France</li></ul>
3–4 pm	<a href="#">Innovation Station</a>   Periodicals Room, Third Floor
4–6 pm	<a href="#">Poster Session and Welcome Reception</a>   Reading Room, Third Floor

# Thursday, March 21

9–10 am	<a href="#">Registration, Breakfast, and Networking</a>   President's Gallery, First Floor
10–10:15 am	<a href="#">Opening Remarks</a>   Hosack Hall, First Floor <b>Zahi A. Fayad, PhD</b>
10:15–10:30 am	<a href="#">Welcome Address</a>   Hosack Hall, First Floor <b>Brendan Carr, MD, MA, MS</b> , Chief Executive Officer of the Mount Sinai Health System
10:30–11:30 am	<a href="#">Panel Session: Sustainable Futures, Healthier Outcomes: Navigating AI's Impact in Healthcare</a> Hosack Hall, First Floor Moderators: <b>Hayit Greenspan, PhD</b> , Professor in the Department of Diagnostic, Molecular, and Interventional Radiology. Affiliated with Windreich Dept. of Artificial Intelligence and Human Health, Co-Director of AIET PhD Program Icahn School of Medicine at Mount Sinai. & co-founder of RADLogics Inc. <b>Xueyan Mei, PhD</b> , BioMedical Engineering and Imaging Institute, Icahn School of Medicine at Mount Sinai School Speakers: <ul style="list-style-type: none"><li>• <b>Larry Tanenbaum, MD, FACR</b>, VP and Chief Technology Officer, Radnet</li><li>• <b>Zichen Wang, PhD</b>, Amazon Web Services</li><li>• <b>Rima Arnaout, MD</b>, Associate Professor, University of California, San Francisco</li><li>• <b>David C. Rhew, MD</b>, Global Chief Medical Officer (CMO) and VP of Healthcare, Microsoft</li></ul>
11:30 am–12:30 pm	<a href="#">Panel Session: MRI Tesla Wars</a>   Hosack Hall, First Floor Moderator: <b>Priti Balchandani, PhD</b> , Director of the Advanced Neuroimaging Research Program, Associate Director of the BioMedical Engineering and Imaging Institute Speakers: <ul style="list-style-type: none"><li>• <b>J. Thomas Vaughan, Jr., PhD</b>, Professor of BioMedical Engineering and Radiology, Director of Columbia MR Research Center, Mortimer B. Zuckerman Mind Brain Behavior Institute at CUMC</li><li>• <b>Nicolas Boulant, PhD</b>, University of Paris-Saclay, CEA, NeuroSpin, France</li><li>• <b>Bram Stolk, PhD, MBA</b>, Vice President, Academic Accounts United Imaging</li><li>• <b>Himanshu Bhat, PhD</b>, Head of MR R&amp;D Collaborations, North America Siemens Healthineers</li></ul>
12:30–1:30 pm	<a href="#">Lunch and Trivia</a>   Reading Room, Third Floor
1:30–2:30 pm	<a href="#">Oral Presentations</a>   Hosack Hall, First Floor
2:30–3 pm	<a href="#">Coffee Break</a>   President's Gallery, First Floor
3–4 pm	<a href="#">Panel Session: Revolutionizing Healthcare: Pioneering the Future of Digital Medicine</a>   Hosack Hall, First Floor Moderator: <b>Yun Soung Kim, PhD</b> , Assistant Professor, Department of Radiology, BioMedical Engineering and Imaging Institute at Icahn School of Medicine at Mount Sinai Speakers: <ul style="list-style-type: none"><li>• <b>Jagmeet P. Singh, MD, ScM, DPhil</b>, Professor of Medicine, Harvard Medical School, Cardiology Division, Massachusetts General Hospital</li><li>• <b>Lisa Shah, MD</b>, Chief Medical Officer, Twin Health</li><li>• <b>Walter Greenleaf, PhD</b>, Neuroscientist, Stanford University Virtual Human Interaction Lab</li><li>• <b>Emily Capodilupo</b>, Senior Vice President, Data Science and Research, WHOOP Inc.</li><li>• <b>Nicole Zahradka, PhD</b>, Senior Clinical Research Program Manager, Current Health</li></ul>
4–4:15 pm	<a href="#">Awards Presentation</a>   Hosack Hall, First Floor <b>Sara Lewis, MD</b> , Associate Professor, Biomedical Engineering and Imaging Institute, Icahn School of Medicine at Mount Sinai
4:15–4:30 pm	<a href="#">Closing Remarks</a>   Hosack Hall, First Floor <b>Zahi A. Fayad, PhD</b>
4:30–6 pm	<a href="#">Auction and Networking Reception</a>   Reading Room, Third Floor