

# Engineering the Future

## THE ROLE OF AI AND BIOTECH

Thursday, March 14 • 9:00 am – 11:00 am • Room 120  
National Academy of Sciences Building  
2101 Constitution Avenue NW  
Washington, DC 20418

- 9:00-9:10 AM**    **Opening Remarks**  
**Dr. John L. Anderson**, President, National Academy of Engineering  
**Dr. Alton D. Romig, Jr.**, Executive Officer, National Academy of Engineering
- 9:10-9:45 AM**    **Panel 1: Engineering the Future: Revolutionary AI Innovations and Their Impact**
- Dr. Missy Cummings, Professor and Director of the George Mason University Autonomy and Robotics Center (MARC), Panelist
  - Dr. Rama Chellappa, Bloomberg Distinguished Professor, Department of Electrical and Computer Engineering, Chief Scientist, Johns Hopkins University, Panelist
  - Dr. Swami Sivasubramanian, Vice President for Data and Machine Learning Services at Amazon Web Services (AWS), Panelist
  - Kellee Wicker, Director of the Science and Technology Innovation Program, the Wilson Center, Moderator
- 9:45-9:55 AM**    **Keynote:** Dr. John Lach, Dean, School of Engineering and Applied Science, George Washington University
- 9:55-10:35 AM**    **Panel 2: The Evolution of Biotechnology: Lessons Learned from a Global Pandemic**
- Dr. Bruce Tromberg, Director, National Institute of Biomedical Imaging and Bioengineering, National Institutes of Health, Panelist
  - Dr. Gary Disbrow, Director, Biomedical Advanced Research and Development Authority (BARDA), Deputy Assistant Secretary for Preparedness and Response, Administration for Strategic Preparedness and Response (ASPR), US Department of Health and Human Services (HHS), Panelist
  - Adil Alaoui, Director, Health Information Technology and Operations, Innovation Center for Biomedical Informatics, Georgetown University
  - Victoria Jaggard, Health and Science Deputy Editor, The Washington Post, Moderator
- 10:35-10:45 AM**    **Rapid Round**  
Attending members of the UK Council for Science and Technology give a quick take on their vision for the future of engineering
- 10:45-10:50 AM**    **Closing Remarks**  
**Lord Browne of Madingley**, Chairman, Queen Elizabeth Prize for Engineering Foundation