

AI for Scientific Discovery – Proceedings Release

National Academy of Sciences Building
2101 Constitution Avenue NW
Washington, DC 20418

The AI for Scientific Discovery workshop, which took place in October 2023, aimed to explore the future of artificial intelligence (AI) in terms of its role as an autonomous researcher carrying out discovery, build international collaboration amongst AI experts, and reveal funding opportunities for future research endeavors.

The proceedings release event will highlight key topics of discussion from the workshop complemented by AI activities around the Academies and international perspectives. The first panel will consist of experts from across the National Academies to discuss key points in relation to the workshop. The last conversation will bring together global leaders to share international activities dealing with AI for Scientific Discovery. These panels will point to possible next steps in designing a roadmap for global collaboration in enhancing AI for Scientific Discovery.

MONDAY, MAY 13, 2024 – NAS Members' Room

10:00-10:05 am ET

Introduction by Workshop Chair

Bradley Malin, Accenture Professor of Biomedical Informatics, Biostatistics, and Computer Science, Vanderbilt University

10:05-10:25 am ET

Keynote Speaker

Laura Greene, Co-Lead for The President's Council of Advisors on Science and Technology (PCAST) AI Working Group, Marie Krafft Professor of Physics at Florida State University

10:25-11:15 am ET

Around the Academies AI Activities

Moderator: **Bradley Malin**, Accenture Professor of Biomedical Informatics, Biostatistics, and Computer Science, Vanderbilt University

Speakers:

- **Omar Ghattas**, Pratt Chair in Engineering, Professor of Mechanical Engineering, and Director of the OPTIMUS Center, Oden Institute, University of Texas at Austin
- **Kevin B. Johnson**, David L. Cohen University Professor of Engineering, Informatics, Pediatrics and Communication, University of Pennsylvania
- **Amina Qutub**, Burzik Professor in Engineering Design and Associate Professor in Biomedical Engineering, The University of Texas at San Antonio

11:15-12:05 pm ET

Global AI for Scientific Discovery

Moderator: **Keith Brown**, Associate Professor, Boston University

Speakers:

- **Anicia Peters**, Chief Executive Officer, National Commission on Research, Science and Technology (NCRST) of Namibia
- **Alistair Nolan**, Senior Policy Analyst, Science and Technology Policy Division, OECD

12:05-12:15 pm ET

Conclusion by Workshop Chair

Bradley Malin, Accenture Professor of Biomedical Informatics, Biostatistics, and Computer Science, Vanderbilt University