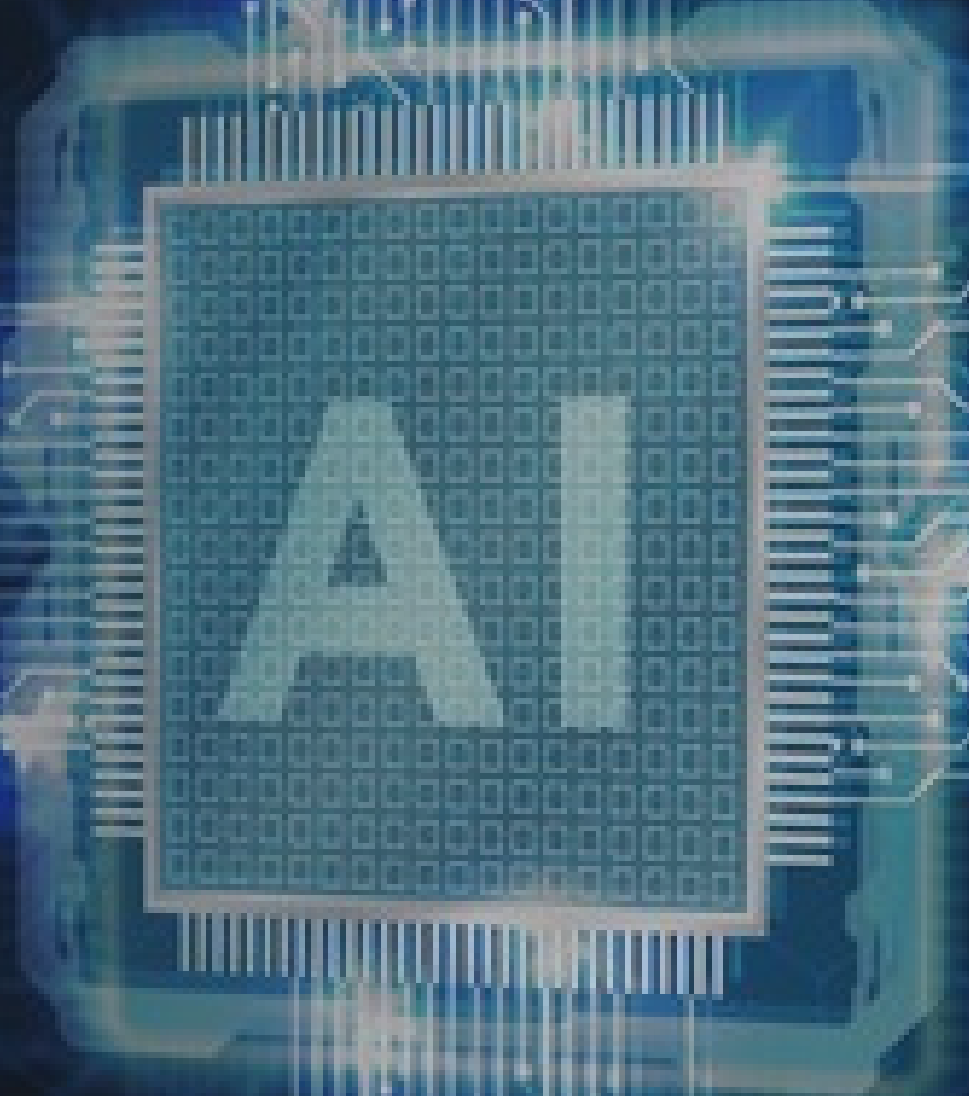




AIBS 2026 Council Meeting

OPPORTUNITIES & GUARDRAILS FOR INTEGRATING AI IN BIOLOGY



Agenda Overview

1:00 PM ET
Welcome

1:05 PM ET
President's Remarks
Judy Skog, 2026 AIBS President

1:10 PM ET
Presentations
Facilitated by: Amy Zanne

1:40 PM ET
Q&A
Moderated by: Amy Zanne

2:00 PM ET
Presentations
Facilitated by: Amy Zanne

2:30 PM ET
Q&A and Discussion
Moderated by: Nyeema Harris



AIBS Council Meeting

PRESENTERS



DR. NIALL MANGAN

National Institute for Theory & Mathematics in Biology, Northwestern University

“Biology inspiring Math & Math inspiring Biology”

Niall M. Mangan received dual BS degrees in mathematics and physics, with a minor in chemistry, from Clarkson University, Potsdam, NY, USA, in 2008, and a PhD degree in systems biology from Harvard University, Cambridge, MA, USA, in 2013. Dr. Mangan worked as a postdoctoral associate in the Photovoltaics Lab at MIT from 2013–2015 and as an Acting Assistant Professor at the University of Washington, Seattle, from 2016–2017. She is currently an Associate Professor of engineering sciences and applied mathematics with Northwestern University and a Scientific Leader at the National Institute for Theory and Mathematics in Biology. Her group works at the interface of mechanistic modeling and data-driven statistical inference with application to biological, chemical, and material problems.



DR. TAYLOR LIGHTER

QEM Network

“Designing Ethical AI Literacy Across Secondary-to-Graduate STEM Pathways: A role for Scientific Societies”

Dr. Taylor Lighter is a Research Coordinator at the QEM Network. The QEM Network serves as a national resource and catalyst to unite and strengthen educational opportunities for all citizens in science, technology, and engineering. At QEM, Taylor provides support for the Lumina Foundation and Bill and Melinda Gates Foundation grant-funded projects by managing their daily operation and conducting research. She obtained her PhD from Virginia Tech in the area of Engineering Education.





DR. VERÓNICA SEGARRA

Goucher College

“Designing Ethical AI Literacy Across Secondary-to-Graduate STEM Pathways: A role for Scientific Societies”

Verónica Segarra, PhD, is currently Associate Professor and the Maryland E-Innovation Endowed Chair in Biological Sciences and Chemistry at Goucher College, a liberal arts college in Baltimore, Maryland. Her contributions to science have come in the form of research breakthroughs in cell biology, cellular self-eating, and membrane traffic. Her lab at Goucher College is not only the home base for her research program, but a place where undergraduate students receive one-on-one mentoring as they strive to develop their identity in science and research. Dr. Segarra’s scholarly service is through positions of leadership in the scientific society ecosystem. These societies include the Association of Southeastern Biologists (ASB), an AIBS member, where she is currently editor of its laboratory-based scientific journal eBio. In the recent past, she has been member-at-large of the Executive Committee and past Chair of ASB’s Human Diversity Committee. In 2025 she was selected as a fellow of the American Society for Cell Biology (ASCB), where she also serves as an associate editor of its journals Molecular Biology of the Cell and Life Sciences Education. In the past, she has been a member of the ASCB Council and a co-leader of ASCB’s Minorities Affairs Committee (MAC). Dr. Segarra was selected to receive the 2026 David Burgess Award for Excellence in Inclusivity, presented by the ASCB, in recognition of scientists who make outstanding contributions to cell biology research and demonstrate a strong commitment to expanding diversity and inclusion.



DR. NYEEMA HARRIS

Yale University

“STEM Education in the Age of AI”

Dr. Nyeema C Harris studies carnivore ecology, behavior, and conservation. As an avid nature-lover, her most transformative experience stemmed from witnessing lions hunt in Kenya as a youth, growing during her first job at the Philadelphia Zoo. In the work of her Applied Wildlife Ecology (AWE) Lab, she aims to facilitate exposure, broaden participation in who has agency and contributes to knowledge production, and stimulate an awe for the natural world. She completed degrees at Virginia Tech, University of Montana, and North Carolina State University, as well as postdoctoral training at UC Berkeley and WWF in Switzerland. She's also held positions with the US Forest Service and US Fish and Wildlife Service. She joined the faculty in 2021 at Yale's School of the Environment as an Associate Professor. Her work spans the globe and ecosystems including urban environments, the tropics, and African protected areas. She is currently an AIBS Board member and New Voices Fellow with the National Academies of Science, Engineering and Mathematics. Ultimately, she strives to be a socially-relevant ecologist by implementing inclusive scholarship that contributes to promoting wildlife persistence and coexistence.





MS. JANE TAYLOR
Oxford University Press

“AI in Journal Publishing: Balancing Innovation, Integrity, and Trust”

Jane Taylor is the Product Manager for Journal Publication Services at OUP, leading strategy and product development for peer review systems with a focus on supporting editors and reviewers. Before moving into product management, Jane held editorial roles at OUP and Wiley, managing science and medicine journal portfolios and working closely with editors, authors, and reviewers.



DR. DAVID B. RESNIK

National Institute of Environmental Health Sciences, National Institutes of Health

“Responsible Use of Artificial Intelligence in Research”

David B. Resnik is a Bioethicist at the National Institute of Environmental Health Sciences and Senior Advisor for Research Integrity at the Office of Intramural Research at the National Institutes of Health. Dr. Resnik has over 400 peer-reviewed publications, including 10 books, on various topics pertaining to the ethical, philosophical, and legal aspects of science, technology, and medicine. Dr. Resnik is a Fellow of the American Association for the Advancement of Science and is an Associate Editor of the journal *Accountability in Research*. Dr. Resnik has mentored more than 60 students, including graduate, undergraduate, postdoctoral students, and early-career researchers. Dr. Resnik has a BA in philosophy from Davidson College, a PhD in philosophy from UNC-Chapel Hill, and a JD in law from Concord University/Purdue University Global.





DR. THERESA GOOD

Directorate for Biological Sciences, National Science Foundation

“The Role of NSF in Enabling AI-Driven Advances in Biological Sciences”

Dr. Theresa Good is the Directorate Head for the Biological Sciences at the National Science Foundation (NSF BIO). She is responsible for scientific and operational leadership of the Directorate, its 90 scientific, business and technical staff, and implementation of agency and national priorities through investment of between \$600–\$800M a year in basic research.

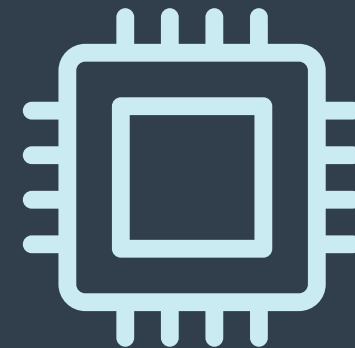
Prior to becoming Directorate Head, she served as Division Director or Deputy Division Director of the Division of Molecular and Cellular Biosciences for 12 years and served as a Program Director in biotechnology and synthetic biology programs for 3 years. Before joining NSF, Dr. Good was a Professor of Biochemical Engineering and Chemical Engineering, first at Texas A&M University and then at the University of Maryland Baltimore County. Her research focused on applying engineering tools to the study of protein aggregation and Alzheimer's disease and other problems at the intersection of engineering and life sciences.



THANK YOU



If you have any
questions, please
contact us at
membership@aibs.org.



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newsletter.
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