# ASHG 2025 Distinguished Speakers Symposium Biographies

## Moderators

**Marylyn Ritchie, PhD**
Vice Dean of Artificial Intelligence and Computing, University of Pennsylvania

Dr. Marylyn D. Ritchie is the Vice Dean of Artificial Intelligence and Computing at the University of Pennsylvania, Perelman School of Medicine. Dr. Ritchie is also the Edward Rose, MD and Elizabeth Kirk Rose, MD Professor of Genetics, Director of the Institute for Biomedical Informatics, Director of the Division of Informatics in DBEI, Co-Director of the Penn Medicine BioBank, and Vice President of Research Informatics in the University of Pennsylvania Health System. Dr. Ritchie is an expert in translational bioinformatics, with a focus on developing, applying, and disseminating AI and machine learning algorithms, methods, and tools integrating electronic health records (EHR) with genomics. Dr. Ritchie has 20+ years of experience in translational bioinformatics and has authored over 500 publications. Dr. Ritchie was appointed as a Fellow of the American College of Medical Informatics (ACMI) in 2020 and elected as a member of the National Academy of Medicine in 2021.

**JP Flores, BA, PhD Candidate,**
University of North Carolina at Chapel Hill

JP Flores, BA is a PhD Candidate in Bioinformatics & Computational Biology at UNC Chapel Hill where he is studying the role of 3D chromatin structure in response to environmental stress and pursuing a Graduate Certificate in Innovation for the Public Good. He is the host of the From where does it STEM? podcast, senior editor for GeneBites, and recently completed a 6-month internship in the NIH Office of Science Policy in the NIH Office of the Director. He was one of the 5 co-lead organizers for the Stand Up for Science Movement. He is an HHMI Gilliam Fellow passionate about bridging science and society and empowering others, especially those from minoritized and marginalized backgrounds.

# Speakers



**Aviv Regev, PhD**
Head of Genentech Research and Early Development

Aviv Regev is head of Genentech Research and Early Development. Formerly, Regev was Chair of the Faculty and Core Member at the Broad Institute of MIT and Harvard, Professor of Biology at MIT, and a Howard Hughes Medical Institute Investigator. She is founding co-chair of the Human Cell Atlas and a leader in deciphering molecular circuits that govern cells, tissues, and organs in health and their malfunction in disease. She has pioneered foundational experimental and computational methods in single-cell genomics, enabling greater understanding of cell and tissue functions. Regev is a member of the National Academy of Sciences, National Academy of Medicine, American Academy of Arts and Sciences, and a Fellow of the International Society of Computational Biology. Her many honors include the ISCB Overton and Innovator Prizes, Paul Marks Prize, Lurie Prize in Biomedical Sciences, Keio Medical Science Prize, HFSP Nakasone Award, and L'Oréal-UNESCO for Women in Science Award.

**Matt Might, PhD**
Director, Hugh Kaul Precision Medicine Institute,
University of Alabama at Birmingham



Matt Might has been the Director of the Hugh Kaul Precision Medicine Institute at the University of Alabama at Birmingham (UAB) since 2017. At UAB, Matt is the Hugh Kaul Precision Medicine Institute Endowed Chair, a Professor of Internal Medicine and a Professor of Computer Science. From 2016 to 2018, Matt was a Strategist in the Executive Office of the President in The White House. In 2015, Matt joined the faculty of the Department of Biomedical Informatics at the Harvard Medical School, first as Visiting Professor and since 2017 as Senior Lecturer. Matt was co-founder and Chief Scientific Officer of NGLY1.org, and he was a co-founder and Scientific Advisor to Pairnomix before its acquisition by Q State Biosciences in October 2018.

## Olga Troyanskaya, PhD
Director, Princeton Precision Health, Professor at Princeton University, and Deputy Director for Genomics at the Flatiron Institute of the Simons Foundation

Olga Troyanskaya is the founding Director of Princeton Precision Health at Princeton University and the Deputy Director for Genomics for Simons Flatiron Institute since 2014 after working with CCB as a consultant since 2013. Troyanskaya is also a professor at the Lewis-Sigler Institute for Integrative Genomics and the Computer Science department at Princeton University, where she has been on the faculty since 2003. At Princeton, she runs the Laboratory of Bioinformatics and Functional Genomics. She holds a Ph.D. in Biomedical Informatics from Stanford University, and is a recipient of the Sloan Research Fellowship, the National Science Foundation CAREER award, Overton award from International Society for Computational Biology and the Ira Herskowitz award from the Genetic Society of America. As deputy director for Genomics, Troyanskaya is responsible for building and leading a group of junior and senior scientists working on Genomics, Bioinformatics and their associated applications.

## Harry Farmer, MA
Senior Researcher, Ada Lovelace Institute

Harry is a Senior Researcher at the Ada Lovelace Institute where he explores the ethical and policy questions posed by new and emerging uses of data and AI. Prior to joining Ada, Harry worked as a senior policy adviser at Nesta, where he developed and advocated for policies to make the UK's innovation economy fairer, more inclusive and more conducive to the public good. He has also worked in regulatory bodies, think tanks and in public affairs.