SPEAKER BIOS

Lisa Federer

Lisa Federer is the Data Science and Open Science Librarian at the National Library of Medicine, focusing on developing efforts to support workforce development and enhance capacity in the biomedical research and library communities for data science and open science. Prior to joining NLM, Lisa spent five years as the Research Data Informationist at the National Institutes of Health Library, where she developed and ran the Library's Data Services Program. She holds a PhD in information studies from the University of Maryland and an MLIS from the University of California-Los Angeles, as well as graduate certificates in data science and data visualization. Her research focuses on quantifying and characterizing biomedical data reuse and development of meaningful scholarly metrics for shared data.

Alexander Mathis

Alexander Mathis is a Postdoctoral Fellow at Harvard University working with Prof. Venkatesh N. Murthy. He is interested in elucidating how the brain gives rise to adaptive behavior. For those purposes, he develops deep learning methods to analyze animal behavior. His PhD thesis with Prof. Andreas Herz focused on deriving properties of grid cells from optimal coding assumptions. In 2020 he will start his group at the Ecole Polytechnique Fédérale de Lausanne.

Casey Greene

Casey is an Associate Professor of Systems Pharmacology and Translational Therapeutics in the Perelman School of Medicine at the University of Pennsylvania. His lab develops deep learning methods that integrate distinct large-scale datasets to extract the rich and intrinsic information embedded in such integrated data. A core mission of his lab is bringing these capabilities into every molecular biology lab. He is also the director for Childhood Cancer Data Lab, Alex's Lemonade Stand Foundation, where he leads a team to builds tools and analyzes data to accelerate the pace of finding cures for childhood cancer by empowering scientists and doctors to harness the power of Big Data.

Lenny Teytelman

Lenny Teytelman is the CEO and cofounder of protocols.io. He has over a decade of computational and experimental biology experience and it was his struggle as a postdoc with correcting a published research method that led him to cofound protocols.io. Lenny brings to protocols.io a strong passion for open access, sharing knowledge, and improving research efficiency through technology.

Carley Strasser

Dr. Carly Strasser is the Director of Alliances and Data Strategy at the Fred Hutchinson Cancer Research Center, where she develops partnerships internal and external to Fred Hutch to advance data-driven research. Throughout her career, she has been an open science advocate, working at the interface of researchers and those who support them. Carly received a B.A. in Marine Science and a Ph.D. in Biological Oceanography from the MIT/WHOI Joint Program.

Lynn Shriml

Dr. Lynn M. Schriml is an Associate Professor at the University of Maryland, School of Medicine in the Department of Epidemiology and Public Health and at the Institute of Genome Sciences (IGS) in Baltimore, Maryland. Dr. Schriml's research program involves the creation of broadly adopted, standardization approaches for collecting and reporting of genome metadata and for classifying and annotating human diseases that accelerate science.

Timothy Verstynen

Dr. Verstynen received his Ph.D. in Psychology from UC Berkeley and went on to do postdoctoral training in computational neuroscience at UCSF and cognitive neuroscience at the University of Pittsburgh. He is currently an Associate Professor at Carnegie Mellon University in the Department of Psychology and the Carnegie Mellon Neuroscience Institute, with a cross appointment in Biomedical engineering. Dr. Verstynen directs the Cognitive Axon Lab, where he studies decision-making and learning. He is also the Co-Director of the CMU-Pitt BRIDGE Center, a research dedicated MRI center with a strong emphasis on computational neuroimaging. Along with his research, Dr. Verstynen also engages in various science outreach projects, most notably using zombies to teach neuroscience in the book *Do Zombies Dream of Undead Sheep?* that he co-authored with Dr. Bradley Voytek at UCSD.

Sara Weston

Dr. Sara Weston is an Assistant Professor of Psychology at the University of Oregon. As a personality psychologist, she studies the role of individual differences in temperament, affect, and cognition on health outcomes and behaviors, with a special interest in how people differ in their ability to cope with and manage chronic disease. Because her work has often relied on the use of publicly available panel studies, Dr. Weston has worked to develop tools for ensuring secondary data analysis is open and transparent. She received her Ph.D. in Psychology from Washington University in St. Louis and completed a postdoctoral fellowship in the Medical Social Sciences department of the Feinberg Medical School at Northwestern University.

Daniela Saderi

Dr. Daniela Saderi is Co-Founder and Project Director at PREreview, a platform and a community for the crowd-sourcing of preprint reviews. She recently earned a Ph.D. in neuroscience at Oregon Health & Science University, in Portland, OR. During her Ph.D., following her passion for all things open, she become a Mozilla Fellow for Open Science 2018/2019, during which she focused on the growth and sustainability of the PREreview project.

Marcel Bruchez

Dr. Bruchez develops new approaches to paint living cells and organisms to reveal their inner workings. He is a Professor of Chemistry and Biological Sciences at Carnegie Mellon University, and Director of Molecular Biosensor and Imaging Center. Dr. Bruchez is extending the limits of fluorescent microscopy and fluorescent probes, and is applying these tools to the study of how protein synthesis, trafficking and degradation is coordinated and regulated in biological systems, and using photochemical tools to measure and manipulate biological processes in living organisms. He is also the founder of Quantum Dot Corporation, co-founder of Sharp Edge Labs, and holds 30 patents. Dr. Bruchez received a B.S. in chemistry from the Massachusetts Institute of Technology, and a Ph.D. in physical chemistry from the University of California at Berkeley.

Dan Allan

Dan Allan is a scientific software developer who builds and teaches software for data acquisition, data management, and scientific data analysis at Brookhaven National Lab's National Synchrotron Light Source II, a Department of Energy facility that supports a broad range of scientific research. He is an enthusiastic advocate for open-source and a contributor to various projects in the Jupyter and Scientific Python ecosystem. His academic background is in soft condensed matter physics.

Gregory Way

Greg is a Postdoctoral Associate in the Imaging Platform at The Broad Institute of MIT and Harvard. He uses machine learning, data science, and software engineering to extract biomedical insights from image-based morphology and gene expression data. Many of his projects are performed using open science principles and can be viewed at https://github.com/gwaygenomics.