



Website: <https://danafarbercancerbiologytraining.org/>  
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## Panelists

**Joeva Barrow, PhD** | Cornell University

**Chris Browne, PhD** | Kymera Therapeutics

**Lou Charkoudian, PhD** | Haverford College

**Brendan Manning, PhD** | Harvard T.H. Chan  
School of Public Health

**Deborah Rothman, PhD** | Merck & Co.

## Panelists

### Joeva Barrow | Cornell University

Joeva Barrow, Ph.D., R.D. is an Assistant Professor of Molecular Nutrition at Cornell University Division of Nutritional Sciences. She completed her Bachelor of Science degree in 2006 before completing her Masters and combined Dietetic internship program at the University of Florida in 2008 where she was certified as a Registered Dietitian. While working at the frontlines in clinical dietetics providing medical nutrition therapy to patients with metabolic diseases, Dr. Barrow quickly discovered that despite the excellent standards of care from the medical community, our basic knowledge of metabolism and corresponding therapeutic capacity was quite limited. Dr. Barrow became fascinated with the concept that metabolic changes can dramatically alter genetic and epigenetic patterning and when dysregulated, leads to the development of disease. If we can improve our mechanistic understanding of nutrient absorption, transport, metabolism, bioenergetics, and gene regulation, it would provide a platform to identify therapeutic targets that could reduce the onset of, and provide treatment for obesity and associated disorders such as mitochondrial diseases, diabetes, and other metabolic syndromes. Fueled by that passion, Dr. Barrow pursued and obtained her Ph.D. in Biochemistry and Molecular Biology at the University of Florida (2013) and then moved to Boston to complete her postdoctoral training at the Harvard Medical School/ Dana-Farber Cancer Institute in Cell Metabolism and Cancer Biology (2018).

## Chris Browne | Kymera Therapeutics

Chris Browne is a Senior Scientist in the Proteomics group at Kymera Therapeutics and is currently heading up chemoproteomics for the company. Chris Browne earned his PhD in Biochemistry from Vanderbilt University before moving in 2014 to Boston and DFCI for a joint postdoc in Jarrod Marto's and Nathanael Grey's labs. While at DFCI, Chris developed chemoproteomic methods for selectivity profiling of covalent small molecules. Before Kymera, Chris worked in the Chemical Biology & Proteomics group at AstraZeneca conducting large-scale multiomics studies identifying mechanisms of resistance to AZ drugs. In addition to proteomics, Chris is excited by all topics related to drug discovery and the pharmaceutical industry.

## Lou Charkoudian | Haverford College

Lou received her B.S. from Haverford College and Ph.D. in inorganic chemistry at Duke University under the mentorship of Professor Kathy Franz. She then joined Professor Chaitan Khosla's lab at Stanford University where she expanded her skillset to include the concepts and techniques of bioorganic chemistry and chemical engineering. After exploring job opportunities at institutions ranging from R01 universities to primarily teaching colleges, Lou landed at Haverford College—a primarily undergraduate institution that places equal weight on teaching and research. Lou's research and teaching interests lie at the intersection of chemistry and biology. She is enthralled with the *Streptomyces* bacteria with which she works and spends her time in lab collaborating with undergraduate researchers to understand how *Streptomyces* biosynthesize structurally complex and therapeutically relevant molecules. Lou is also passionate about integrating original research opportunities for undergraduates into the classroom, studying how intrapersonal factors play a role in undergraduate STEM education, and developing symbiotic outreach activities with her local community. When Lou is not in the classroom or lab, you can often find her enjoying the outdoors with her husband and two young kids.

## **Brendan Manning | Harvard T.H. Chan School of Public Health**

Brendan Manning is a Professor in the Department of Molecular Metabolism at the Harvard T.H. Chan School of Public Health (HSPH), with additional faculty affiliations in the Department of Cell Biology at Harvard Medical School and the Dana-Farber/Harvard Cancer Center. Dr. Manning received his B.S. from the University of Massachusetts, Amherst and his Ph.D. from Yale University. Following postdoctoral research at Harvard Medical School, he joined the faculty of the then newly established Department of Genetics and Complex Diseases at HSPH (renamed Molecular Metabolism in 2019). He also served as Faculty Director of the PhD Program in Biological Sciences in Public Health for the past 8 years. Research in the Manning laboratory is focused on defining the interface between cancer cell signaling and metabolism.

## **Deborah Rothman | Merck & Co.**

Deborah M. Rothman, PhD, has been a Director of Chemical Biology within Discovery Chemistry at Merck & Co since late 2016. In her role, she is responsible for leading, developing, and mentoring a team of synthetic chemists and chemical biologists as individual contributors and team leaders. She is currently responsible for ensuring the success of multiple programs in the Chemical Biology portfolio across Infectious Diseases, Cardiovascular and Metabolic Diseases, and Neuroscience. She has a passion for finding the truth in the biology, for annotated small molecule sets, and for Diversity and Inclusion. Deborah has over 15 years of industry experience including a previous tenure at Novartis where she was both an individual contributor and project team leader on several programs in Chemical Genetics. She is published as a lead and contributing author in multiple scientific journals and holds two patents. She received her bachelor's degrees in Biochemistry and Biology from the University of Chicago (spending two summers as an NIH intern) and her Doctor of Philosophy in Chemistry from Massachusetts Institute of Technology under the guidance of Professor Barbara Imperiali.