

CBDS Distinguished Speaker Seminar Series

**“From decoding the genome to enabling precision medicine with deep learning and data science”**

**Olga Troyanskaya, PhD**

**Princeton University**

[**https://function.princeton.edu/**](https://nam12.safelinks.protection.outlook.com/?url=https%3A%2F%2Ffunction.princeton.edu%2F&data=04%7C01%7Ccbds%40yale.edu%7Cb6e520a757764e3f7ee408d99aeb895b%7Cdd8cbebb21394df8b4114e3e87abeb5c%7C0%7C0%7C637711158668144575%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=TKU7kYxF2dZ03Xx23MfFP0IIcgjgmxUKpv28UKZpqHY%3D&reserved=0)

**Host:** [**Steven Kleinstein, PhD**](https://medicine.yale.edu/profile/steven_kleinstein/)**,  Professor; Co-Director of Graduate Studies, Computational Biology and Bioinformatics**

[**Kleinstein Lab**](https://medicine.yale.edu/lab/kleinstein/)

**Zoom:**  <https://yale.zoom.us/j/98885323530>

Wednesday, November 3, 2021
4 p.m. to 5 p.m. Seminar

Olga Troyanskaya is a Professor at the Lewis-Sigler Institute for Integrative Genomics and the Department of Computer Science at Princeton University and the Deputy Director for Genomics at the Flatiron Institute, Simons Foundation. Her lab employs machine learning and statistical modeling techniques to decode genomes and understand cellular specificity, genotype-phenotype relationships, and evolution. Through developing integrative analyses and modeling of complex molecular-level changes captured via diverse functional genomics techniques, including experimental and clinical data, the approaches enable systems-level molecular views of human health and complex diseases. Dr. Troyanskaya received her Ph.D. from Stanford University and is a recipient of the Sloan Research Fellowship, the NSF CAREER award, the Howard Wentz faculty award, and the Blavatnik Finalist Award. She has also been honored with the Ira Herskowitz Award from The Genetics Society of America and is the 2011 recipient of the Overton Prize in computational biology.