



Deep Mutational Scanning Symposium

Monday, January 13, 2020

AGENDA

Opening Remarks - Lea Starita, PhD BATLab, Genome Sciences, UW	9:00 am - 9:15 am
Jesse Bloom, PhD (KEYNOTE) Bloom Lab - Fred Hutchinson Cancer Research Center <i>Mapping Person to Person Variations that Escape Human Immunity to Influenza Virus</i>	9:15 am - 10:00 am
Nadav Ahituv, PhD School of Pharmacy - UCSF <i>Functional Characterization of Gene Regulatory Elements</i>	10:00 am - 10:30 am
Coffee and Poster Preview	10:30 am - 11:00 am
Calin Plesa, PhD Knight Campus - University of Oregon <i>Multiplexed Characterization of Protein Families with DropSynth Gene Synthesis and Broad Mutational Scanning</i>	11:00 am - 11:30 am
Stephanie Zimmerman, PhD Fields Lab - Genome Sciences - UW <i>Measuring the Effect of Missense Variants on Protein Stability Proteome-wide</i>	11:30 am - 12:00 pm
Lunch Break	12:00 pm - 1:00 pm
James Fraser, PhD School of Pharmacy - UCSF <i>Evolutionary Constraints on Sequence Space</i>	1:00 pm - 1:30 pm
Benedetta Bolognesi, PhD Institute for Bioengineering of Catalonia <i>Deep Mutagenesis to Understand Prion-like Domains</i>	1:30 pm - 2:00 pm
Abstract Talks	2:00 pm - 3:00 pm
Hong Kee Tan, PhD - Saturation Genome Editing of Developmental Disorder Genes	
Andrew Glazer, PhD - Deep Mutational Scans of Cardiac Ion Channel Function and Cell Surface Abundance	
Clara Amorosi, Graduate Student - Massively Parallel Functional Profiling of CYP2C9 Variants Using a Yeast Activity Assay	
Coffee Break and Poster Preview	3:00 pm - 3:30 pm
Juan C. Caicedo, PhD Schmidt Fellow - Broad Institute <i>Phenotyping Variants of Unknown Significance with Cell Painting</i>	3:30 pm - 4:00 pm
Abstract Talks	4:00 pm - 5:00 pm
Vatsan Raman, PhD - Functional Plasticity and Evolutionary Adaptation of Allosteric Regulation	
Seemay Chou, PhD - In Vitro Evolution of Hyperactive Bacterial Cell Wall-degrading Toxins	
Eric Kelsic, PhD - Comprehensive Fitness Landscape of AAV Capsid Reveals a Viral Gene and Enables Machine-guided Design	
Closing Remarks and Announcements - Doug Fowler, PhD Genome Sciences, UW	5:00 pm - 5:05 pm
Poster Session <i>Poster Award Announcement</i>	5:05 pm - 7:00 pm 6:30 pm

Sponsors:



CENTER FOR THE MULTIPLEX ASSESSMENT OF PHENOTYPE

