Deep Mutational Scanning Workshop
Tuesday, January 14, 2020
AGENDA

Opening Remarks | Introduction 9:00 am – 9:10 am
Kenny Matreyek, PhD | Case Western Reserve University – School of Medicine 9:10 am – 9:40 am

LIBRARY DESIGN, CONSTRUCTION, AND ANALYSIS
Bryan Andrews, Graduate Student | Fields Lab - Genome Sciences - UW 9:40 am – 10:10 am
Oligo and PCR Methods
Cailin Plesa, PhD | Knight Campus – University of Oregon 10:10 am – 10:40 am
DropSynth
Coffee Break 10:40 am – 11:10 am
Alan Rubin, PhD | Walter & Aliza Hall Institute of Medical Research – Australia 11:10 am – 11:40 am
Assigning Scores to Variants

MODEL SYSTEMS AND SELECTION METHODS
Ethan Ahler, PhD | REVOLUTION Medicines 11:40 am – 12:10 pm
Picking a Model System
Molly Gasperini, PhD, Eric Jones, PhD, | Octant 12:10 pm – 12:20 pm
Selection Methods
Nick Hasle, Graduate Student | Fowler Lab – Genome Sciences - UW 12:20 pm – 12:50 pm
DMS with Visual Phenotypes
Lunch with Breakout Sessions 12:50 pm – 2:25 pm

APPLICATION OF DEEP MUTATIONAL SCANNING
Brian Shirts, MD PhD | Department of Lab Medicine – UW Medicine 2:25 pm – 2:55 pm
Clinical Variant Interpretation
Tyler Starr, PhD | Post-doctoral Fellow – Bloom Lab – Fred Hutchinson Cancer Research Center 2:55 pm – 3:25 pm
Studying Epistasis with DMS
Closing Remarks | Nick Hasle, Graduate Student – Fowler Lab - UW 3:25 pm – 3:30 pm

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