

New York Area Population Genomics Workshop 2018

Fourth NYA Population Genomics Workshop

hosted by the Simons Center for Quantitative Biology, Cold Spring Harbor Laboratory

January 10, 2018

All Sessions are in Grace Auditorium, unless noted otherwise.

Registration

9.00-9.50a	Registration (pick-up ID badges at desk).....	Grace Auditorium
10.00-11.20a	SESSION 1. Chair, Adam Siepel (Simons Center for Quantitative Biology / CSHL)	
10.00-10.20a	Nandita Garud (UCSF/Penn) “Evolutionary dynamics of bacteria in the gut microbiome within and across hosts.”	
10.20-10.40a	Zach Fuller (The Pennsylvania State University) “The role of chromosomal inversions in speciation.”	
10.40-11.00a	Jennifer Hoey (Rutgers University) “Genomic signatures of environmental selection despite near-panmixia in summer flounder.”	
11.00-11.20a	Jae Young Choi (New York University) “Evolutionary genomics of Oryza repetitive DNA.”	
11.20-11.50a	Morning Coffee Break	
11.50a-1.00p	SESSION 2. Chair, Molly Przeworski (Columbia University)	
11.50-12.20p	KEYNOTE: Eimear Kenny (Icahn School of Medicine at Mount Sinai) “Population genetics in an era of genomic medicine.”	
12.20-12.40p	Priyanka Nakka (Brown University) “Incidence of uniparental disomy in 2 million individuals from the general population.”	
12.40-1.00p	Daniel Schrider (University of North Carolina) “The unreasonable effectiveness of treating population genomic inference as image processing.”	
1.00-2.00p	Lunch (vegetarian & kosher options available)	Blackford Hall
2.00-3.20p	SESSION 3. Chair, Joseph Pickrell (Gencove.com)	
2.00-2.20p	Laura Hayward (Columbia University) “Polygenic adaptation in response to a sudden change in the environment.”	
2.20-2.40p	Yevgeniy Plavskin (New York University) “Precise phenotypic measurements reveal the distribution of mutational effects in yeast.”	
2.40-3.00p	Farah Abdul-Rahman (New York University) “Quantifying fitness of budding yeast in periodically fluctuating environments.”	
3.00-3.20p	Ipsita Agarwal (Columbia University) “Widespread sex-differences in the human germline mutation spectrum.”	
3.20-3.50p	Afternoon Coffee Break	
3.50-5.00p	SESSION 4. Chair, Barbara Engelhardt (Princeton University)	
3.50-4.20p	KEYNOTE: Joshua Akey (Princeton University) “Genetic tales of human history.”	
4.20-4.40p	Fernando Villanea (Temple University) “Neanderthal ancestry in modern-day humans provide clues for the pattern of Neanderthal-human admixture in the past.”	
4.40-5.00p	Gillian Belbin (Icahn School of Medicine at Mount Sinai) “Identity-by-descent reveals fine-scale population structure in the UK Biobank.”	
5.00-6.00p	Wine & Cheese Reception	Grace Auditorium Lobby
6:00p	Departures	