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

**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

**SESSION 3. Chair, Joseph Pickrell (Gencove.com)**

2.00-3.20p 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**

**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