

# BAPG June 8th 2019 Stanford

Organizers: Dmitri Petrov ([dpetrov@stanford.edu](mailto:dpetrov@stanford.edu)), Susan Mello, Pleuni Pennings ([pennings@sfsu.edu](mailto:pennings@sfsu.edu))

## 8:45 - 9:30 Breakfast

Thanks to our sponsors: 23&me, Ancestry and D2G Oncology

## 9:30 - 10:20 Morning Talks 1

9:30 Welcome!

**9:35 Emily Ebel**, Stanford, Novel variants in red blood cell proteins contribute to sickle-like phenotypes and malaria resistance.

**9:50 Yuval Simons**, Stanford, "Understanding the "flattening" of gene contributions to human complex trait heritability.

**10:05 Gili Greenbaum**, Stanford, Designing gene drives to avoid spillovers to non-target populations.

## 10:20 - 10:40 Coffee!

## 10:40 - 11:30 Morning Talks 2

**10:40 April Wei**, UC Berkeley, CCR5- $\Delta$ 32 is deleterious in the homozygous state in humans

**10:55 Hanno Schmidt**, UC Davis, Population genomics of malaria transmitting mosquitoes in Africa

**11:10 Airam Blancas**, Stanford, A general multispecies coalescent model of neutral evolution.

**11:25 Lightning talk**, **Aaron Stern**, UC Berkeley, Estimating selection on genetically-correlated complex traits

**12: 00 Matthew Osmond**, UC Davis, Genetic signatures of evolutionary rescue

**12: 15 Jacqueline Robinson**, UCSF, Genomic consequences of severe inbreeding and the rapid decline of Isle Royale wolves

## 1: 00- 2:00 LUNCH!

## 2:00 - 2:40 Afternoon Talks 1

**12: 30 Rochelle-Jan Reyes and Ricky Thu**, SFSU, Illuminating women's hidden contribution to historical theoretical population genetics

**12:45 Steven Mack**, Children's Hospital Oakland Research Institute, Population Genetics

of the Human Leukocyte Antigen Genes

**2:00** , **Cole Williams**, UC Davis, A Rapid, Accurate Approach to Inferring Pedigrees in Endogamous Populations.

**2:15 Sandeep Venkataram**, UC San Diego, The effect of mutualistic interactions on the tempo and mode of adaptation.

**2:30 Lightning talk** , **Naoko Fujito**, UCSF, Genetic analysis of an endangered owl species in California, the Spotted Owl

**2:35 Lightning talk** , **Manjusha Chintalapati**, UC Berkeley, DATES: New method for dating admixture in ancient DNA samples

### **2:40 - 4 PM Posters and drinks**

1. Carina Kalaydjian San Francisco State University
2. Niquo Ceberio San Francisco State University
3. Austin Reynolds UC Davis
4. Taekyu Kang Buck Institute
5. Landen Gozashti UC Santa Cruz
6. Diana Aguilar Gómez UC Berkeley
7. Alissa Severson Stanford
8. Irka Bargielowski UC Davis
9. Lars Grønvold SFSU
10. Remi Tournebize UC Berkeley
11. Natalie Swinford UC Davis
12. Meng Lin University of Southern California
13. Parker Houston UC Davis
14. Vladimir Shchur UC Berkeley
15. Aaron Stern UC Berkeley
16. Manjusha Chintalapati UC Berkeley
17. Naoko Fujito, UCSF
18. Shiya Song, Ancestry
19. Elena Sorokin, Ancestry
20. Natalie Tellis, Ancestry



**D2G ONCOLOGY**

