



## BAY AREA POPULATION GENOMICS XII

Stanford University • May 30, 2015

### Schedule of Events

<b>Registration &amp; Light Breakfast in the Courtyard</b>	8:30am-9:25am
<i>Opening Remarks</i> <b>Dmitri Petrov</b> (Department of Biology, Stanford University)	9:25am-9:30am
<i>Paleogenomes illuminate multiple admixture events between polar bears and brown bears</i> <b>James Cahill</b> (UC Santa Cruz)	9:30am-9:50am
<i>Fitness-valley crossing in subdivided populations</i> <b>Michael McLaren</b> (Stanford University)	9:50am-10:10am
<i>The micro-generalist advantage: A simple condition for stable, highly polygenic allele-frequency fluctuations under seasonal selection</i> <b>Meike Wittmann</b> (Stanford University)	10:10am-10:30am
<b>Coffee-Break in the Courtyard</b>	10:30am-11:00am
<i>Cross-disorder analysis of Autism Spectrum Disorder</i> <b>Maude M. David</b> (Stanford University)	11:00am-11:20am
<i>Clustering of DNA shared by descent in present-day Americans reconstructs recent settlement patterns of people in the United States</i> <b>Eunjung (Christine) Han</b> (Ancestry DNA)	11:20am-11:40am
<i>Selection and explosive growth may hamper the performance of rare variant association tests</i> <b>Lawrence Uricchio</b> (UCSF/Stanford University)	11:40am-12:00pm
<b>Lunch in the Courtyard</b>	12:00pm-1:00pm
<i>Hsp90 buffers the phenotypic effects of standing genetic variation but not new mutations</i> <b>Kerry Geiler-Samerotte</b> (NYU)	1:00pm-1:20pm
<i>Pooled ChIP-seq identifies QTLs affecting transcription factor binding and histone modification</i> <b>Ashley Tehranchi</b> (Stanford University)	1:20pm-1:40pm
<b>Keynote • Life in tandem: The Evolution of Gene Regulation in Duplicate Genes</b> <b>Jonathan Pritchard</b> (Stanford University)	1:40pm-2:10pm
<b>Poster Session with Wine, Beer, &amp; Cheese Reception</b>	2:10pm-3:00pm

Registration and Meeting Location: Alway Building M106 & Alway Courtyard

For more information, see the BAPGXII Website: <https://stanfordcehg.wordpress.com/2015/05/22/bapgxii/>

**Poster Session Presenters**

*Sex-biased genes and temperature-dependent sex determination in the American Alligator*

**Edward Rice** (Green/Shapiro Labs, UC Santa Cruz)

*Tracking the effects of human genetic variation through the gene regulatory cascade*

**Yang I Li** (Pritchard Lab, Stanford University)

*Disentangling sources of selection on exonic transcriptional enhancers*

**Rachel Agolia** (Fraser Lab, Stanford University)

*Environment-Modulated Genetic Adaptation of RNA Editing in Drosophila*

**Arielle Yablonovitch** (Li Lab, Stanford University)

*Rapid Adaptation and Low Recombination: A Two Chromosome Model*

**Michael Pearce** (Fisher Lab, Stanford University)

*Emergence of novel phenotypes in co-evolving biological systems: allelic diversification and dominance at the Self-incompatibility locus in Arabidopsis*

**Vincent Castric** (Nielsen Lab, UC Berkeley)

*Pan-genome analysis of Saccharomyces cerevisiae*

**Giltae Song** (Cherry Lab, Stanford University)

*Privacy leaks in genomic data-sharing beacons*

**Suyash Shringarpure** (Bustamante Lab, Stanford University)