

Genomics and Computational Biology Graduate Group Retreat 2019

Wednesday, June 12, 2019

8:00-5:00

The College of Physicians of Philadelphia

19 South 22nd Street

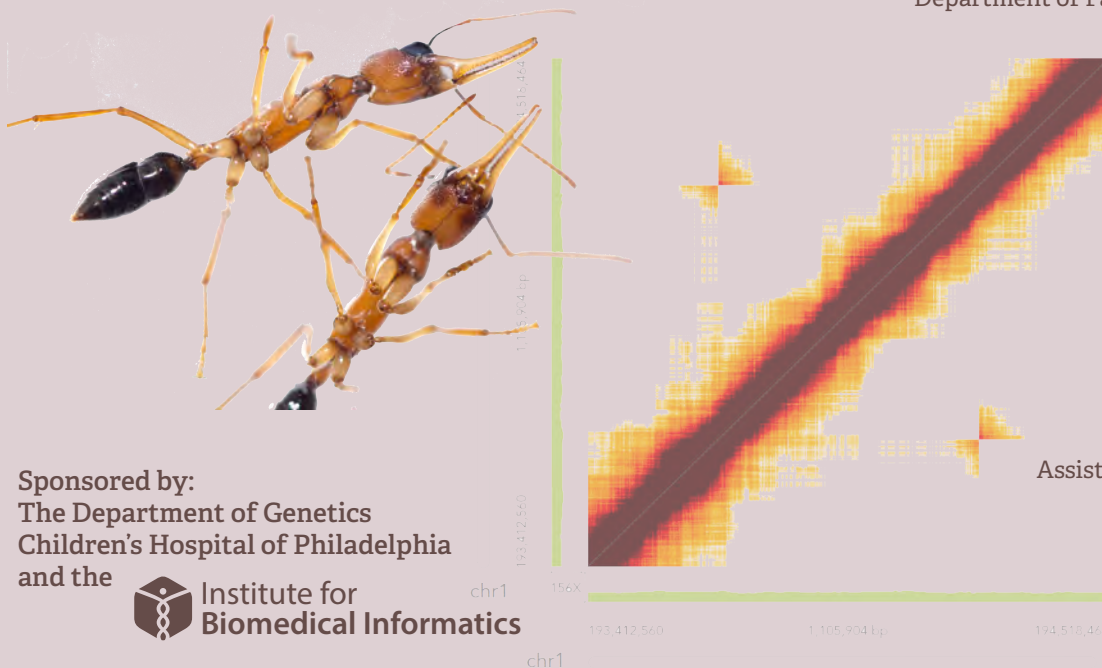
Philadelphia, PA 19103

- 8:00 Breakfast and registration
- 9:00 Opening remarks
- 9:15 Georg K. Gerber, MD, PhD
Assistant Professor, Harvard Medical School
"Computational Biology and the Microbiome: Discovery and Prediction for Therapeutics and Diagnostics"
- 10:15 Linda Zhou, GCB MD-PhD student, Phillips-Cremins Lab
"Epigenetic mechanisms underlying transcriptional silencing in Fragile X Syndrome"
- 10:40 Dokyoon Kim, PhD, Assistant Professor, Informatics
"Integration of EHR with genomics for translational research"
- 11:05 Coffee break
- 11:35 Benjamin Emert, GCB MD-PhD student, Raj Lab
"Rewinding cell fate with a molecular time machine"
- 12:00 Ophir Shalem, PhD, Assistant Professor, Genetics
"CRISPR based functional genomics for studying proteostasis networks"
- 12:25 Lunch
- 1:00 Poster session A
- 1:30 Poster session B
- 2:00 Emily Shields, GCB student, Bonasio Lab
"Plasticity in ant brains, one cell at a time"
- 2:25 Michael Gonzalez, PhD, Bioinformatics Scientist, Center for Applied Genomics
"Investigating medulloblastoma infiltrating myeloid cells using single cell transcriptomics"
- 2:50 Kai Wang, PhD, Associate Professor, Pathology and Laboratory Medicine
"Long-read sequencing reveals complex genome structural variation"
- 3:15 Coffee break
- 3:30 Barbara E. Stranger, PhD
Assistant Professor, University of Chicago
"Sex differences at the molecular level: Lessons from the human transcriptome and a role in complex traits"
- 4:30 Reception

Invited speakers:



Georg K. Gerber, MD, PhD
Assistant Professor, Harvard Medical School
Member of the Harvard-MIT
Health Sciences & Technology Faculty
Chief, Division of Computational Pathology
Co-Director, Massachusetts Host-Microbiome Center
Associate Pathologist, Center for Advanced Molecular Diagnostics
Department of Pathology, Brigham and Women's Hospital



Barbara E. Stranger, PhD
Assistant Professor, Department of Medicine,
Section of Genetic Medicine
University of Chicago

Sponsored by:
The Department of Genetics
Children's Hospital of Philadelphia
and the

