



# Fannie and John Hertz Foundation

## West Coast Retreat

### October 20-22, 2017

#### Retreat organizers:

Gene Katsevich: (650) 250-3331

Katherine Xue: (865) 236-8992

Zhou Fan: (201) 486-9572

Olivia Little: (925) 724-9485

#### Friday October 20, 2017

4:00pm – 5:45pm	Check-in ( <i>Hyatt Regency front desk</i> )
5:45pm	Meet for dinner, near Hyatt Regency front desk
6:00pm – 7:30pm	Dinner at Gochees Pizza
8:00pm – 9:30pm	Speaker – Laura Waller ( <i>Marina room</i> )
9:30pm	Free time ( <i>Organized activity: TBD</i> )

#### Saturday October 21, 2017

8:00am – 9:00am	Breakfast ( <i>Eclipse restaurant</i> )
9:00am – 10:30am	Speaker – Jesse Bloom ( <i>Marina room</i> )
10:30am – 12:30pm	Engineering challenge ( <i>Marina room</i> )
12:30pm – 1:30pm	Lunch ( <i>Waterfront AB</i> )
1:30pm – 6:00pm	Free time ( <i>Organized activities: biking, aquarium, Ferry Building</i> )
6:00pm – 7:30pm	Dinner ( <i>Waterfront AB</i> )
7:30pm – 9:00pm	Speakers – Astro and Danielle Teller ( <i>Waterfront AB</i> )
9:00pm	Free time ( <i>Organized activity: TBD</i> )

#### Sunday October 22, 2017

8:00am – 9:00am	Breakfast ( <i>Eclipse restaurant</i> )
9:00am – 10:30am	Speaker – Ron Dror ( <i>Marina room</i> )
10:30am – 11:00am	Room check-out
11:00am – 12:30pm	IDEA-thon ( <i>Marina room</i> )
12:30pm – 1:30pm	Lunch ( <i>Waterfront AB</i> )

*Jesse Bloom* is an associate member in the Division of Basic Sciences at the Fred Hutchinson Cancer Research Center, and affiliate associate professor in the Department of Genome Sciences at the University of Washington. His lab uses a combination of experimental and computational approaches to study the molecular evolution of proteins and viruses. Prior to beginning his faculty career in Seattle, Jesse completed his PhD in chemistry (with Frances Arnold) and his postdoc in biology (with David Baltimore) at Caltech.



*Laura Waller* runs a computational imaging lab at UC Berkeley that develops methods for designing imaging systems and algorithms

jointly in terms of hardware and software. Her research draws from expertise in optical physics, signal processing and computer science and has applications to bioimaging, defense, physical science, and industrial inspection. Laura is affiliated with the Berkeley Artificial Intelligence Research Laboratory and the Berkeley Institute of Data Science.



*Ron Dror* leads a multidisciplinary lab in the computer science department at Stanford University, whose goal is to study the spatial organization and dynamics of biomolecules and cells

in order to develop better medicines and quantitatively explain the workings of living systems. This work involves fields ranging from high-performance computing, computer vision, and machine learning to biochemistry, cell biology, and drug discovery. Before joining Stanford in March 2014, Dr. Dror served as second-in-command of D.E. Shaw Research.



*Astro & Danielle Teller*

Dr. Astro Teller is currently captain of moonshots (CEO) of X, Alphabet's moonshot factory for building magical, audacious ideas that through science and technology can be brought to reality. As a respected scientist and seasoned entrepreneur, Teller has successfully created and grown five companies and holds numerous U.S. patents related to his work in hardware and software technology. Danielle Teller received her medical training at McGill University, Brown University and Yale University, and has investigated the origins of chronic lung disease and taught in the medical intensive care unit. In 2013, Danielle quit her job to pursue her childhood dream of being a writer. Her first novel about the life of Cinderella's stepmother will be published in the summer of 2018.