



Friday, September 22, 2017

1:00 -4:00 PM	Arrive & Check-In
5:00 PM	Guest Speaker - Adam Marblestone, <i>Hertz Fellow</i>
6:00 PM	Dinner (Quicks Hole Taqueria)
7:00 PM	Engineering Challenge Unveiled

Saturday, September 23, 2017

8AM	Breakfast (Pie in Sky)
9AM	Idea-ation Session, Engineering Challenge Time or Other Activity
12PM	Lunch (Pie in Sky)
1PM	Guest Speaker – Noam Brown
2PM	Engineering Challenge Time or Other Activity
7PM	Dinner, Clam Bake

Sunday, September 24, 2017

8AM	Breakfast (Pie in Sky)
9AM	Guest Speaker – Elsie Sunderland
10AM	End of Engineering Challenge
12PM	Lunch (Pie in Sky) and Exit

Guest Speakers

2017 Hertz East Coast Retreat



Adam Marblestone, Hertz Fellow, is chief strategy officer of Kernel, and a part-time research scientist with the Synthetic Neurobiology group at MIT. He received his PhD in biophysics at Harvard. At MIT, he is an investigator on an IARPA-funded project to map the neural connectome through in-situ sequencing of RNA barcodes. Adam is also a co-founder of BioBright, a company aiming to create a "smart lab" to improve biological experimentation, and a scientific advisor to the Open Philanthropy Project and to OccamzRazor.



Noam Brown is a PhD student in computer science at Carnegie Mellon University advised by Professor Tuomas Sandholm. His research combines reinforcement learning and game theory to develop AIs capable of strategic reasoning in imperfect-information interactions. He has applied this research to creating Libratus, the first AI to defeat top professional poker players in no-limit Texas Hold'em. His current research is focused on expanding the applicability of the technology behind Libratus to other domains.



Elsie Sunderland is the Thomas D. Cabot Associate Professor of Environmental Science and Engineering at Harvard University. She is a faculty associate in the Harvard University Center for the Environment and the Harvard Center for Risk Analysis. Research in the Sunderland Lab focuses on how biogeochemical processes affect the fate, transport and food web bioaccumulation of trace metals and organic chemicals. Her group develops and applies models at a variety of scales ranging from ecosystems and ocean basins (e.g., the Gulf of Maine, the North Pacific and Arctic Oceans) to global applications to characterize how changes in climate and emissions affect human and ecological health, and the potential impacts of regulatory activities. Her group also makes key measurements of chemical concentrations and reaction rates in environmental samples (natural waters, sediments, and aquatic biota) and humans (hair, blood) to parameterize and evaluate environmental models.

Cape Cod, Massachusetts, September 22-24, 2017