

Synberc Symposium and NSF Site Visit

March 24-27, 2014

Stanley Hall, UC Berkeley

Monday March 24: Arrival and reception		
6:00-7:00	Synberc welcome reception	Shattuck Hotel's
7:00-8:30	Dinner and featured talk: Rob Carlson	Crystal Ballroom
8:30-9:30	Wine Tasting and Mixer, hosted by SPA	
Tuesday March 25: Synberc scientific retreat		
7:30-8:30	Breakfast & poster set-up	Stanley Hall Atrium
8:30-9:00	Welcome, introductions and agenda for the day (Keasling)	Stanley 105
9:00-9:20	<i>Brian Caliando, MIT: In vivo Controlled Destruction of DNA via CRISPR-Based Device</i>	
9:20-9:40	<i>Esteban Toro, UC Berkeley: High Throughput CRISPRi Studies of Gene Function and Regulation in E. coli</i>	
9:40-10:00	<i>Amanda Loshbaugh, UCSF: Computational Design and Experimental Engineering of Proteins that Sense and Respond to Small Molecules</i>	
10:00-10:20	<i>Daniel Goodman & James DiCarlo, Harvard: Tools for Yeast Genome Engineering and Millstone: A Cloud-Based Genome Engineering Platform</i>	
10:20-11:00	Break	
11:00-11:20	<i>Russell Gordley, UCSF: Dynamical Control of Cell Fate Decisions Using Phospho-Regulatory Circuits</i>	
11:20-11:40	<i>Anna Chen, Harvard: Heterologous Reconstruction of a Synthetic Bacterial Oscillator</i>	
11:40-12:00	<i>Julie McNamara, MIT: Navigating Impediments to Commercialization: Nitrogen Fixation, Ecological Risks, and Moving Past Uncertainty</i>	
12:00-12:20	<i>Sam Evans, UC Berkeley: Making Security a Matter of Non-Concern in Synthetic Biology</i>	
12:20-1:40	Lunch	
	Synberc PI Meeting	Stanley 808
	IAB working session: SWOT analysis	Stanley 106
	SAB working session: SWOT analysis	Stanley 177
1:40-2:00	<i>Robin Prince, UC Berkeley: Glucaric Acid Biosynthesis via Act Synthesizer Predicted Pathways</i>	Stanley 105
2:00-2:20	<i>Shawn Finney-Manchester, MIT: Exploration of Saccharomyces cerevisiae as a Platform for D-Glucaric Acid Production</i>	
2:20-2:40	<i>Satoshi Yuzawa, UC Berkeley: Repurposing Antibiotic-Generating Polyketide Synthases to Produce Ketone Solvents</i>	
2:40-3:00	<i>Patrick Guye, MIT: Engineering a Self-Organizing Liver Bud-Like Hematopoietic Niche from Human Pluripotent Stem Cells</i>	
3:00-3:40	Break	
3:40-3:50	Student-Postdoc Association Update	
3:50-4:10	<i>Shion An, UC Berkeley: Exploring Sequence Space and Energy Landscapes with Ancestral Sequence Reconstruction</i>	
4:10-4:30	TBD	
4:30-5:50	Special session: Victoria Plout, UC Berkeley: Implicit Bias	
5:50-8:00	Poster session and reception	Atrium

Wednesday March 26: NSF site visit		
7:30-8:00	Breakfast	Stanley Atrium
8:00-9:00	Welcome, introductions, overview of the center (Keasling)	Stanley 105
9:00-9:20	Glucaric acid testbed (Prather)	
9:20-9:40	Nitrogen fixation testbed (Voigt)	
9:40-10:00	Programmable organoids testbed (Weiss)	
10:00-10:30	Break	
10:30-10:50	Parts update (Kortemme)	
10:50-11:10	Devices update (Voigt)	
11:40-12:00	Chassis update (Anderson)	
12:00-12:20	Practices update (Endy)	
12:20-1:00	Lunch & Mentor-Student Meet-Ups	Lower Atrium
12:20-1:00	SAB & SPA meeting - Science Communication/Ambassador Initiative	Stanley 106
12:20-1:00	PI lunch meeting	Stanley 808
1:00-1:40	SVT Executive Session	Stanley 177
1:00-1:40	<i>Industry Presentation: Nigel Mouncey, Dow AgroSciences: "The production of propionic acid through sugar fermentation: an industrial perspective on progress, technical challenges and future outlook"</i>	Stanley 105
1:40-2:40	Poster session	Atrium
1:40-2:40	NewOrg Leadership Task Force meeting	Stanley 179
2:40-3:00	Break	Atrium
3:00-3:10	Yeast testbed update (Keasling)	Stanley 105
3:10-3:20	Sustainability (Keasling)	
3:20-3:30	Infrastructure (Costa)	
3:30-3:40	Industry program overview (Ackermann, Katz)	
3:40-4:10	Education overview (Marqusee)	
4:10-4:20	Diversity overview (Silver, Rosemond, Keasling)	
4:20-4:30	Poster awards; announcements	
4:30-5:10	SVT-Student closed door session	Stanley 106
4:30-5:10	<i>Company talks: (Teselagen, Lygos, Amyris, Gen9, Braskem)</i>	Stanley 105
5:10-5:50	SVT-IAB closed door session	Stanley 106
5:50-	Dinner on your own (dinner provided for PI & Roadmap groups)	Lower Atrium
5:50-6:50	SVT Executive Session	Stanley 106
	Roadmap working group leaders - meeting	Stanley 179
6:50-7:10	SVT key issues/questions for SynBERC	Stanley 106
7:10-?	Synberc PI working session	Stanley 177
7:00-?	SPA social event (Thalassa - http://thalassabar.com/) Address: 2367 Shattuck Avenue, Berkeley Tel. 510-848-1766	

Thursday March 27: Wrap-up		
7:30-8:00	Breakfast	Atrium
8:00-8:45	Synberc PIs and SVT: Key issues/questions	Stanley 808
8:45-9:00	break and transition to working session/retreat	
9:00a-1:00p	IAB, SAB, SPA closed door discussion	Stanley 106
	IAB, SAB, SPA general reflections	
	Sustainability update	
	Planning next steps and assignments	
noon	Box lunches available	Atrium
noonish?	(tentative) SPA-led industry visit: bus leaves from Shattuck Hotel	
1:00-5:00	Space available for birds of a feather meetings (contact Kevin for info)	Stanley Hall