

Emerging Directions Schedule – Monday, February 19th
Session Chairs: Niall Mangan & Rebecca Willett

Time	Event Description
8:30 am – 9:00	Introductions
9:00 – 9:45	Dmitri Petrov (30 min talk + 15 min discussion) “Genotype-phenotype-fitness map of adaptation in yeast”
9:45 – 10:00	Break
10:00 – 10:45	Kevin Flores (30 min talk + 15 min discussion) “Data-driven selection of models for collective cell migration”
10:45 – 11:15	Break
11:15 – 12:00	Armita Nourmohammad (30 min talk + 15 min discussion): “Learning the shape of the immune and protein universe”
12:00 – 12:15	Lightning Presentations
12:15 – 1:30	Catered Lunch
1:30 – 2:30	Poster Presentations
2:30 – 3:30	Brainstorm Session
3:30 – 4:00	Coffee Break
4:00 – 5:00	Brainstorm Session

Emerging Directions Schedule – Tuesday, February 20th
Session Chairs: Brent Doiron & Malcolm Maclver

Time	Event Description
8:30 am – 9:00	Introductions
9:00 – 9:45	David Schwab (30 min talk + 15 min discussion) TBA
9:45 – 10:00	Break
10:00 – 10:45	Ann Kennedy (30 min talk + 15 min discussion) “Neural computations underlying the regulation of motivated behavior”
10:45 – 11:15	Break
11:15 – 12:00	Dominic Skinner (30 min talk + 15 min discussion) “Statistical physics of embryonic transcriptomes reveal map of cellular interactions”
12:00 – 12:15	Lightning Presentations
12:15 – 1:30	Catered Lunch
1:30 – 2:30	Poster Presentations
2:30 – 3:30	Brainstorm Session
3:30 – 4:00	Coffee Break
4:00 – 5:00	Brainstorm Session

Emerging Directions Schedule – Wednesday, February 21st

Session Chairs: Rosemary Braun & Stephanie Palmer

Time	Event Description
8:30 am – 9:00	Introductions
9:00 – 9:45	Tatyana Sharpee (30 min talk + 15 min discussion) “Information maximization and hyperbolic geometry of neural manifolds”
9:45 – 10:00	Break
10:00 – 10:45	Benjamin Good (30 min talk + 15 min discussion) “Evolution of evolvability of rapidly evolving populations”
10:45 – 11:15	Break
11:15 – 12:00	Daniel Forger (30 min talk + 15 min discussion) “The math of fatigue: from circadian rhythms in wearable measurements to mental health”
12:00 – 12:15	Lightning Presentations
12:15 – 1:30	Catered Lunch
1:30 – 2:30	Poster Presentations
2:30 – 3:30	Brainstorm Session
3:30 – 4:00	Coffee Break
4:00 – 5:00	Brainstorm Session

Emerging Directions Schedule – Thursday, February 22nd

Session Chairs: Tuca Auffinger & Seppe Kuehn

Time	Event Description
8:30 am – 9:00	Introductions
9:00 – 9:45	Andrea Liu (30 min talk + 15 min discussion) “Many more is different”
9:45 – 10:00	Break
10:00 – 10:45	Kresimir Josic (30 min talk + 15 min discussion) “Synthetic microbial consortia as models of multi-cellular systems”
10:45 – 11:15	Break
11:15 – 12:00	Benjamin Machta (30 min talk + 15 min discussion) “Critical points can efficiently integrate molecular information”
12:00 – 1:00	Catered lunch
1:00 – 1:45	Thierry Mora (30 min talk + 15 min discussion) “Antigenic waves of viral-immune antagonistic co-evolution”
1:45 – 2:45	Brainstorming Session
2:45 – 3:15	Coffee Break
3:15 – 4:15	Brainstorming Session
4:15 – 6:00	In-suite reception

Emerging Directions Schedule – Friday, February 23rd

Session Chairs: Tuca Auffinger and Mary Silber

Time	Event Description
8:30 am – 9:30	Breakfast
9:30 – 11:00	Small group work, leading to the 11am summary discussion
11:00 – 12:00	Summary of the Week – Discussion of Highlights and Plans for the Future
12:00 – 1:00	Catered lunch
1:00	End of program, but stay for the afternoon if you like