

Center for Soft Matter and Biological Physics Symposium

Scientific Program

Wednesday, May 16, 2018 (Hahn Hall North Auditorium)

8:00 – 8:15 Opening speech by Sally Morton (COS Dean)
Welcome speech by Mark Pitt (Physics Department Chair)
Welcome speech by Uwe Täuber (CSB Center Director)

Session I: Justin Barone, Chair

8:15 – 9:05 *Markus Deserno (Physical models for dynamin-driven membrane fission)*
9:05 – 9:25 Lou Madsen (TBD)
9:25 -- 9:45 Sunny Jung (Bio-fluid dynamics on plants)
9:45 -- 10:05 William Ducker (TBD)

10:05 – 10:30 Coffee Break

Session II: Silke Hauf, Chair

10:30 – 10:50 Steve Melville (How can bacteria maintain buoyancy if they have no flagella?)
10:50 – 11:10 Rana Ashkar (The controversial effects of cholesterol in lipid membranes)
11:10 – 11:30 Alexey Onufriev (TBD)
11:30–12:20 Nikolay Dokholyan (Control of cellular networks by structural disorder)

12:20 – 1:30 Lunch

Session III: Jing Chen, Chair

1:30 – 1:50 Wen Xiong (Structural basis for the commitment to cargo trafficking by endosomal proteins)
1:50 – 2:10 Djordje Minic (From universal biology to universal cosmology)
2:10 – 2:30 Michel Pleimling (Beyond rock-paper-scissors: novel properties in spatial six species games)
2:30 – 2:50 Justin Barone (Bending, curling, and twisting in soft materials)
2:50 – 3:40 *Connie Roth (Perturbations of Polymer Glasses near Interfaces: Polymer- Polymer Interfaces, Chain Tethering and Roughness)*

3:40 – 5:00 Coffee Break, Poster Session (Best Poster Competition) and Refreshments,
Collaboration Proposal Competition

