

Schedule of Events

- Morning – 3:45pm: Informal science activities
- 3:45pm – 5:45pm, Washburn Room: *DNA Origami assembly*
 - 3:45pm - Gregory Grason: *Geometrically-Frustrated Assembly*
 - 4:15pm - W. Benjamin Rogers: *Using DNA to program colloidal self-assembly*
 - 4:45pm - Christian Sigl, TUM, Munich (Dietz): *DNA-based Viral Capsid Mimics*
 - 5:15pm - Stefan Paquay (Hagan): *Coarse-grained simulations of self-assembling DNA origami subunits*
- 6:00pm – 7:00pm: Dinner
- 7:30pm – 7:45pm, Washburn Room: Group Photo
- 7:45pm – 10:00pm, Washburn Room: Poster Session
 - Ian Hunter (Fraden): *Designing synchronous patterns*
 - Caleb Wagner (Baskaran): *Response of an active gas to shearing*
 - Farzaneh Mohajerani (Hagan): *What controls size of Bacterial Microcompartments*
 - Yi Fan (Breuer): *The loss of isotropy due to confinement in kinesin-driven active fluids*
 - Joanna Robaszewski (Dogic): *Self-assembly of Filamentous Viruses into Giant Vesicles*
 - Chaitanya Joshi (Hagan/Baskaran): *Theory of Raft Interactions in Ternary Colloidal Membranes*
 - Daniel Goldstein (Chakraborty): *Active Plasticity*
 - Daniel Beller (Powers): *Defect loops in 3D active nematics: Dynamics and shifting winding character*
 - Leila Farhadi (Ross): *Active alignment of driven copolymer systems*

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- Morning – 3:45pm: Informal science activities
- 3:45pm – 5:45pm, Washburn Room: *Membranes*
 - 3:45pm - Sarah Zuraw-Weston (Dinsmore): *Particle Induced Membrane Deformations; From Soft Solids to Liposome Disruption, using Nano-Spheres, Rods and More!*
 - 4:15pm - Michael Hagan: *Budding of proteins and colloids driven by, or impeded by, membrane-mediated interactions*
 - 4:45pm - Joia Miller (Dogic): *Tetramers to horseshoes: chirality and phase separation in colloidal membranes*
 - 5:15pm - Mahsa Siavashpouri (Dogic): *Molecular engineering of colloidal liquid crystals using DNA origami and Filamentous viruses*
- 6:00pm – 7:00pm: Dinner
- 8:00pm – 12:00 am: Bar at Bretton Woods

Schedule of Events

- Morning – 3:45pm: Informal science activities
- 3:45pm – 5:45 pm, Washburn Room: *Active Matter*
 - 3:45pm - Julian Eskin (Goode): *Imaging advances toward understanding actin cable length control*
 - 4:15pm - Bezia Laderman (Dogic): *Structure and Dynamics of Polarity Sorting Filamentary Systems*
 - 4:45pm - Michael Norton (Fraden): *Hydrodynamics of active topological defects near boundaries in nematic suspensions*
 - 5:15pm - Linnea Metcalf (Dogic): *Extensive Dynamics in 2D Active Nematics*
- 6:00pm – 7:00pm: Dinner
- 7:30pm – 10:00 pm, Washburn Room: Poster Session (*featuring live music*)
 - Ali Aghvami (Fraden): *Counter-Diffusion Microfluidic Chip for Protein Crystallization*
 - Simon Merminod (Rogers): *Characterizing DNA-mediated interactions between colloidal particles and fluid membranes*
 - Janna Lowensohn (Rogers): *Linker binding of DNA-coated colloids*
 - John Berezney (Dogic / Fraden): *Scale-dependent stiffness and internal tension of a model brush polymer*
 - Andrew Balchunas (Dogic): *Tunable Gaussian Curvature Directs Catenoid Formation from 2D Colloidal Membranes*
 - Guillaume Duclos (Dogic): *Active 3d nematic liquid crystal*
 - Pooja Chandrakar (Dogic): *Effect of motor proteins on active gel dynamics*
 - Minu Varghese (Baskaran): *Macroscopic flows in incipient active nematics*
 - Hyunki Kim (Hayward / Emrick): *Light-induced wrinkling and assembly of hydrogel nanocomposite at air/water interface*