

	2/16	2/17	2/18	2/19	2/20
8:30 AM					
8:45 AM					
9:00 AM					
9:15 AM	Breakfast	Breakfast	Breakfast	Breakfast	Breakfast
9:30 AM					
9:45 AM	Invited Speaker Talk: Petr Sulc (ASU): Welcome talk & introduction to the oxDNA ecosystem	Invited Speaker Talk: Oliver Henrich* (University of Strathclyde): oxDNA3 – Introducing Sequence-Specific Curvature and Elasticity into a Coarse-Grained DNA Model	Invited Speaker Talk: Tom Ouldridge* (Imperial College London)		
10:00 AM					
10:15 AM					
10:30 AM	Invited Speaker Talk: Shawn Douglas (UC San Francisco): Decoupling Design from Fabrication: Preparing for Complexity We Can't Yet Imagine	Invited Speaker Talk: Vladimira Petrkova (Heyrovsky Institute): Plasmon-driven Tuning of Nanodiamond Emission using DNA Origami	Keynote: Aleksei Aksimentiev (University of Illinois Urbana-Champaign): Multi-resolution simulations of self-assembled DNA systems Talk: Ryan Krueger* (Harvard): Differentiable Programming for Sensitivity Analysis and Design in Molecular Simulations		
10:45 AM					
11:00 AM					
11:15 AM	Invited Speaker Talk: Carlos Castro (Ohio State University): Simulation guided design of nanomechanical DNA devices and assemblies	Invited Speaker Talk: Zev Bryant (Stanford): Dynamics and mechanics of nucleic acids and nucleoprotein machines	Keynote: Aleksei Aksimentiev (University of Illinois Urbana-Champaign): Multi-resolution simulations of self-assembled DNA systems Talk: Ryan Krueger* (Harvard): Differentiable Programming for Sensitivity Analysis and Design in Molecular Simulations		
11:30 AM					
11:45 AM				Hackathon	Hackathon
12:00 PM					
12:15 PM	Lunch	Lunch	Lunch		
12:30 PM					
12:45 PM	Invited Speaker Talk: Gaurav Arya* (Duke): Modeling the folding mechanism, surface-placement, and higher-order assembly of DNA origami structures	Invited Speaker Talk: Cameron Glasscock (Rice): Computational design of nucleic acids and protein-nucleic acid interactions	Invited Speaker Talk: Flavio Romano (Ca' Foscari University)	Lunch	Lunch
1:00 PM					
1:15 PM					
1:30 PM	Invited Speaker Talk: Greg Tikhomirov (UC Berkeley): Programming Addressable Origami Self-Assembly	Invited Speaker Talk: David Doty (UC Davis): Subdomains and dependent domains in DNA sequence design	Invited Speaker Talk: John Doye (Oxford)		
1:45 PM					
2:00 PM	Talk: Michael Matthies (Technical University Munich): OAT boilerplate and other tools to make consistent, reproducible simulations		Invited Speaker Talk: Megan Engel* (University of Calgary)		
2:15 PM					
2:30 PM	Talk: Eryk Ratajczyk (Oxford): Controlling DNA-RNA strand displacement kinetics with base distribution	Poster Session 2			
2:45 PM					
3:00 PM	Talk: Rizal Hariadi (ASU) Multi-axial DNA origami force spectroscopy unlocks conformational dynamics hidden under single-axial tension				
3:15 PM					
3:30 PM		Invited Speaker Talk: Do-Nyun Kim* (Seoul National University) Toward generative design of DNA origami			
3:45 PM	Snack				
4:00 PM	Talk: Daniel Duke (Duke): Predicting the pathways of DNA origami folding with a new mesoscopic model	Talk: Matthew Sample (ASU): Unlocking the Thermodynamics of DNA Origami Dimerization via Restrained Umbrella Sampling			
4:15 PM					
4:30 PM	Talk: Erik Poppleton (Heidelberg University): Connecting to the wider world of nucleic acid simulations	Talk: Hongji Qian (Nautilus Biotechnology): Using DNA-origami to enable high resolution proteome quantification via single-molecule Iterative Mapping			
4:45 PM					
5:00 PM		Talk: Jared Huzar (UC Berkeley) High-Throughput Characterization and Prediction of the Thermal Stability of Multivalent DNA Interactions	Carlos Castro MagicDNA Tutorial		
5:15 PM					
5:30 PM					
5:45 PM	Poster Session 1			Hackathon	Hackathon
6:00 PM					
6:15 PM					
6:30 PM					
6:45 PM					
7:00 PM					
7:15 PM	Dinner	Dinner	Dinner	Dinner	Dinner