Monday, July 13

7:30 - 9:00 AM 7:30 - 9:00 AM	Breakfast Badge Pick up	Elementary School Elementary School
9:00 AM	Horia Petache	Interactions of amino acids with lipid membranes
9:30 AM	Gerald Feigenson	Line Tension and Bending Energy of 4-Component Lipid Mixtures Containing Transmembrane Peptides
10:00 AM	Greg Voth	New Insights on Membrane Remodeling by Proteins Revealed by Multiscale Simulation
10:30 AM	Coffee Break	
11:00 AM	Frank Brown	Lipid tilt, splay and twist and extracting bending moduli from detailed membrane simulations
11:30 AM	John Nagle	Moduli; Bending and Tilt
2:00 PM	Rich Pastor	Mechanical Properties of Lipid Bilayers
2:30 PM	Ed Lyman	Nanoscale structure and subdiffusive dynamics of liquid ordered phases
3:00 PM	Siwert-Jan Marrink	Lipid Organization of the Plasma Membrane
3:30 PM	Steve Wassal	PUFA and cholesterol
4:00 PM	Ka Yee Lee	Binding of the TIM Family Proteins to Lipid Membranes
4:30 PM	David Ackerman	The Effect of WALP Length and Concentration on Phase Behavior in Quaternary Lipid Mixtures: A Molecular Dynamics Study
1:00 PM	Tuesday, July 14 Kalina Hristova	FGF receptors: dimerization, structure, and function
1:30 PM	Klaus Gawrisch	Conformation and dynamics of endogenous cannabinoid ligand 2-AG in a lipid matrix and its interaction with cannabinoid type II receptor
2:00 PM	Blake Mertz	Hydration dynamics are controlled by the initial photoisomerization event in proteorhodopsin activation
2:30 PM	Scott Feller	Retinal-opsin interactions as a function of the Rhodopsin photocycle
3:00 PM	Coffee Break	
3:30 PM	Michael Brown	Role of Soft Matter in Activating G-Protein–Coupled Receptors
4:00 PM	Alan Grossfield	Modeling GPCRs at multiple resolutions
6:00 PM	TSRC Town Talk	Telluride Conference Center in Mountrain Village

Wednesday, July 15

7:30 - 8:30 AM	Breakfast	Elementary School
8:30 AM	Jeff Knight	Comparing and contrasting membrane binding by synaptotagmins 1 and 7
9:00 AM	Jeff Klauda	Binding of a Curvature-sensing Peptide to Model Organelle Membranes of Yeast
9:30 AM	Joe Falke	Single molecule studies of master kinase signaling mechanisms on membrane surfaces
10:00 AM	Emad Tajkhorshid	Enhanced and Efficient Sampling of Specific Lipid-Protein Interactions at an Atomistic Level Using HMMM Membranes
10:30 AM	Coffee Break	
11:00 AM	Taras Pogorolev	Capturing interactions of FGFR domains with mobile membranes
11:15 AM	Scott Perrin	Membrane Disruption by the Antimicrobial Peptide Piscidin
11:30 AM	Denise Greathouse	Membrane interactions of antimicrobial lactoferricin peptides by solid-state NMR and fluorescence spectroscopy and MD simulations
12:00 noon	Stephanie Tristram-Nagle	e Structure determination of HIV-1 Tat/fluid phase membranes
6:00 PM	TSRC Picnic	Under Tent at Elementary School

Thursday, July 16

1:00 PM	Toby Allen	Membrane charge permeation and the role of polarizability
1:30 PM	Roger Koeppe	Molecular Determinants of Transmembrane Orientation for Neutral and Ionizable Peptides
2:00 PM	Peter Kasson	Interfacial dynamics and influenza membrane fusion
2:30 PM	Zhe Wu	Functional Role of SNARE Complex and Synaptotagmin in Membrane Fusion
3:00 PM	Coffee Break	
3:30 PM	Helgi Ingolfsson	Computational lipidomics and the lipid organization of cell envelopes
3:45 PM	Clement Arnarez	Fast hydrodynamics for solvent free lipid models
4:00 PM	Fangqiang Zhu	Conformational changes in the inter-helical loops of the Mhp1 membrane transporter
4:30 PM	Marjorie Longo	Structure and dynamics of nanolipoprotein particles entrapped in nanoporous sol-gel
5:00 PM	Michael Lerner	faster, more accurate calculation of diffusion constants