

Five College Biophysics Research Slam

8:45 AM LLIGHT BREAKFAST AND SIGN IN			
Slam Talks: Lori Goldner, Chair			
Time	Name	Affiliation	Talk Title or Topic
9:00 AM	Lori Goldner	UMass Physics and CBP	Welcome! Probing the structure dynamics of MBP protein by using nanopore
9:10 AM	Chen, Min	Chemistry, UMass Chemical	
9:15 AM	Lee, Jungwoo	Engineering/UMass	Biophysical regulation of the mucus barrier
9:20 AM	You, Mingxu	Chemistry/UMass	Nucleic Acid-based Nano Tools
9:25 AM	Dinsmore, Tony	Physics Dept./UMass	Responsive bioinspired membranes
9:30 AM	Chen, Jianhan	Chemistry/BMB/IAL S/UMass	Multi-scale modeling of macromolecules and biomaterials
9:35 AM	Santore, Maria	PS&E/UMass	overview of membrane expts /results in Santore
9:40 AM	Fejzo, Jasna	Institute for Applied Life Sciences	Biomolecular NMR is Still Hot
9:45 AM	Carter, Ashley	Physics/Amherst College	DNA Folding in Sperm
9:50 AM	Perry, Sarah	Chemical Engineering/UMass	Understanding Functional Biomaterials
9:55 AM	Goldner, Lori	Physics/UMass	Motion of cellulose synthase complex in plant cell membranes
10:00 AM	Cao, Rui	Physics/UMass	A solid gel composed of vesicles: from morphology to rheology
10:05 AM	Heuck, Alejandro	BMB/UMass	Biosensors for cholesterol accessibility on cell membranes
10:10 AM	COFFEE BREAK AND POSTERS		
		Chemical Engineering/UMass	
poster 1	Yen, Tran	Amherst Institute for Applied	Strain-stiffening gels based on latent crosslinking
poster 2	Fejzo, Jasna	Life Sciences	Biomolecular NMR

10:30 AM	BREAK OUT SESSIONS	
Time	Session 1 S320E	Session 2 Meet in S350D
10:30 AM	Membranes and Soft Interfaces T. Dinsmore and M. Santore, Chairs	IALS facility tours