

Biomaterials Seminar

BioE/ChemE 511 Winter 2008

Course Coordinator: David G. Castner
Thursday, 3:30-4:20pm Rm 117, Benson Hall

Date	Speaker	Affiliation	Title
Jan 10	Michael Nash	BioE grad student	<i>“Automated Formation of Lipid Bilayer Membranes in a Microfluidic Device”</i>
	Shin Muramoto	ChemE grad student	<i>“Effect of Primary Ion Source on the Fragmentation Pattern of Proteins”</i>
Jan 17	Sarah Atzet	ChemE grad student	<i>“Degradable pHEMA for Tissue Engineered Cardiac Scaffolds”</i>
	Derek Mortisen	ChemE grad student	<i>“Scaffolds as Functional Templates for Cardiac Tissue Engineering”</i>
Jan 24	Jeanette Stein	BioE grad student	<i>“Understanding the Protein Resistance of Non-Fouling Materials in Relation to Interfacial Water Structure”</i>
	Mandy Lund	BioE grad student	<i>“Osteopontin in Macrophage Activation”</i>
Jan 31	Jamie Bergen	BioE grad student	<i>“Understanding and Overcoming the Intracellular Barriers Associated with Nonviral Gene Delivery to Neurons”</i>
	Scott Henry	BioE grad student	<i>“pH-responsive Poly(styrene-maleic anhydride) Polymers for Anti-cancer Drug Delivery Applications”</i>
Feb 7	Sirne Techane	ChemE grad student	<i>“Functionalization and Characterization of Gold Nanoparticles”</i>
	Loren Baugh	Senior fellow	<i>“Charge-driven Orientation of Proteins on Surfaces”</i>
Feb 14	Fang Cheng	ChemE grad student	<i>“Drying Effects on Immobilized Proteins”</i>
	Mike Linnes	BioE grad student	<i>“Fibrin Tissue Engineering”</i>
Feb 21	Misty Noble	BioE grad student	<i>“Controlled Release from pHEMA-based Matrices using Ultrasound”</i>
	Eric Sussman	BioE grad student	<i>“Wnt Signaling and the Foreign Body Reaction”</i>
Feb 28	Min Zhang	Senior fellow	<i>“Surface Modification of Medical Grade Polyvinyl Chloride to Reduce Bacteria Adhesion”</i>
	Thanapum Osathanon	BioE grad student	<i>“Fibrin Based Scaffolds for Bone Tissue Engineering”</i>
Mar 6	Gilad Zorn	Senior fellow	<i>“Surface Modification of low Modulus Ti-Nb Alloy with SAMs”</i>
	Ari Karchin	BioE grad student	<i>“Development of a Multi-phasic Scaffold to Study the Growth of Tissue to Mimic the Native Ligament-bone</i>

			<i>Transition Region: Electrospinning</i>
Mar 13	Phuong-Cac Nguyen	Senior fellow	<i>“ToF-SIMS Imaging of DNA Microarrays”</i>
	Matt Bernards	ChemE grad student	<i>“Mixed Charge Nonfouling Polymer Brushes”</i>