

SYRACUSE UNIVERSITY  
**DEPARTMENT OF BIOMEDICAL  
 AND CHEMICAL ENGINEERING**

**GRADUATE STUDENT SEMINAR SERIES SPRING 2016**

SEMINARS ARE HELD FROM 1-2 PM ON FRIDAYS IN 105 LIFE SCIENCE BUILDING\* except March 4

DATE	SPEAKER	INSTITUTION	TITLE/NOTES
March 4	Jeremy Gilbert, PhD Stevenson Biomaterials Lecture	Syracuse University Department of Biomedical & Chemical Engineering Syracuse Biomaterials Institute	Life on the Metal's Edge: The Interactions Between Metallic Biomaterials and the Living System  *Location: Life Sciences Complex Atrium
March 11	Yinjie Tang, PhD	Washington University in St. Louis Department of Energy, Environmental & Chemical Engineering	<sup>13</sup> C-Metabolic Analysis of Microbial Cell Factories
March 25	Michael Shirts, PhD	University of Colorado Boulder Department of Chemical & Biological Engineering	Why Can't We Engineer Drugs on a Computer? And What Can Be Done About It?
April 1	Jonathan Rothstein, PhD	University of Massachusetts Amherst Department of Mechanical & Industrial Engineering	Viscoelastic Fluid Structure Interactions
April 22	John Pojman, PhD	Louisiana State University Department of Chemistry	Cure-On Demand Polymerization Using Clock Reactions and Propagating Fronts
April 29	Distinguished Lecture Bamin Khomami, PhD	University of Tennessee Department of Chemical & Biomolecular Engineering	TBD

**Reception to Follow**



FOR MORE INFORMATION, CONTACT PROFESSOR SHIKHA NANGIA at [snangia@syr.edu](mailto:snangia@syr.edu) or 315-443-0571.

# SYRACUSE UNIVERSITY DEPARTMENT OF BIOMEDICAL AND CHEMICAL ENGINEERING

## GRADUATE STUDENT SEMINAR SERIES Fall 2015

SEMINARS ARE HELD FROM 1—2 PM ON FRIDAYS IN 105 LINK, Except Nov. 12\*

DATE	SPEAKER	INSTITUTION	TITLE/NOTES
Sept. 4	Orlin Velev, PhD	North Carolina State University Department of Chemical & Biomolecular Engineering	Soft Matter Manipulated by External Fields: Dynamic Assemblies, Biomimetic Circuits and Soft Robotics
Sept. 18	Arthi Jayaraman, PhD	University of Delaware Department of Chemical & Biomolecular Engineering and Department of Materials Science & Engineering	Theory and Simulations of Macromolecular Soft Materials: Linking Molecular Design to Macroscale Morphology and Function
Sept. 25	Roseanna Zia, PhD	Cornell University Department of Chemical & Biomolecular Engineering	A Micro-mechanical Study of Coarsening and Rheology of Colloidal Gels: Cage Building, Cage Hopping, and Smoluchowski's Ratchet
Oct. 2	Anish Tuteja, PhD	University of Michigan Department of Materials Science & Engineering Biointerfaces Institute	Designing Surfaces with Extreme Wettabilities
Oct. 23	Amber Doiron, PhD	Binghamton University Department of Biomedical Engineering	Nanoparticles: A Perspective on Novel Applications and Defining Risk
Oct. 30	Distinguished Lecture Shekhar Garde, PhD	Rensselaer Polytechnic Institute Dean of Engineering	Water Near Proteins and Interfaces: A New Molecular Perspective <b>Reception to Follow</b>
Nov. 12* Thursday*	Stevenson Biomaterials Lecture Jeremy Gilbert, PhD	Syracuse University Department of Biomedical & Chemical Engineering	To Be Announced



FOR THE MOST CURRENT SCHEDULE, VISIT <http://eng-cs.syr.edu/our-departments/biomedical-and-chemical-engineering>  
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## DEPARTMENT OF BIOMEDICAL AND CHEMICAL ENGINEERING

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SEMINARS ARE HELD FROM 1-2 PM ON FRIDAYS IN 105 LIFE SCIENCES BUILDING,  
BREED LECTURE HALL, except where noted\*

	SPEAKER	INSTITUTION	TITLE/NOTES
	Faculty Candidates' Research Seminars		
<b>March 20</b>	Fei Wang, PhD	National Cancer Institute National Institutes of Health U.S. Department of Health & Human Services	TBD
	Emily Greenspan, PhD Michelle Berny-Lang, PhD	National Cancer Institute National Institutes of Health U.S. Department of Health & Human Services	"Advancing Convergence and Innovation in Cancer Research: National Cancer Institute Center for Strategic Scientific Initiatives"
<b>April 3</b>	Daeyeon Lee, PhD	University of Pennsylvania Dept. of Chemical and Biomolecular Engineering	"Janus Particles as Solid Surfactants"
	Sanat Kumar, PhD	Columbia University Department of Chemical Engineering	"Polymer-Grafted Nanoparticles as Building Blocks for Novel Membranes and Biomimetic Materials"
<b>April 23*</b> <b>Thursday</b>	Jeffrey Fredberg, PhD	Harvard University Department of Environmental Health	"Unjamming Transition to Cellular Hypermobility in the Asthmatic Airway Epithelium" Sponsored by the Physics Department 202/204 Physics Building at 11 am*
	Distinguished Lecture Norman Wagner, PhD	University of Delaware Dept. of Chemical & Biomolecular Engineering	"How do Colloidal Gels Form and Flow?"



**SYRACUSE  
UNIVERSITY  
ENGINEERING  
& COMPUTER  
SCIENCE**

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FOR MORE INFORMATION, CONTACT PROFESSOR JESSE BOND at [jqbond@syr.edu](mailto:jqbond@syr.edu)

# SYRACUSE UNIVERSITY DEPARTMENT OF BIOMEDICAL AND CHEMICAL ENGINEERING

GRADUATE STUDENT SEMINAR SERIES FALL 2014

SEMINARS ARE HELD FROM 1-2 PM ON FRIDAYS IN 105 LINK HALL except where noted\*

DATE	SPEAKER	INSTITUTION	TITLE/NOTES
	David Venerus, PhD	Illinois Institute of Technology Department of Chemical & Biological Engineering Chicago, Illinois	"Anisotropic Thermal Conduction in Polymeric Materials"
<b>Sept. 12</b>	Distinguished Lecture Lihong V. Wang, PhD	Washington University in St. Louis Optical Imaging Lab Department of Biomedical Engineering St. Louis, Missouri	"Photoacoustic Tomography: Ultrasonically Beating Optical Diffusion and Diffraction" Reception to Follow
	Jerry Lee, PhD Emily Greenspan Michelle Berny-Lang	National Cancer Institute National Institutes of Health U.S. Department of Health & Human Services Bethesda, Maryland	"Advancing Convergence and Innovation in Cancer Research: National Cancer Institute Center for Strategic Scientific Initiatives"
<b>Sept. 26</b>	Thao (Vicky) Nguyen, PhD	The Johns Hopkins University, USA Department of Mechanical Engineering Baltimore, Maryland	"Modeling the Shape Memory Effect of Amorphous Polymers"
	David Lynn, PhD	University of Wisconsin – Madison Department of Chemical & Biological Engineering and Department of Chemistry	"Stable, Unstable, and Reactive Biointerfaces: from 'Conventional' to 'Covalent' Assembly"
<b>*Oct. 16 Thursday</b>	Molly Shoichet, PhD, FRSC Stevenson Biomaterials Lecture	University of Toronto Chemical Engineering & Applied Chemistry Toronto, Ontario, Canada	"Bioengineered 3D Hydrogels for Guided Cell Growth" 500 Hall of Languages (note date, time & location change) Lecture at 4:15 pm, Reception to Follow



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