

Chemistry-Biochemistry-Biology Interface Seminar Schedule 2008-2009 (Thursdays, 2:00-3:00 pm)

Date	Moderator	Speaker 1	Speaker 2
September 5	CBBI Fall Social, 5:00 pm, Stepan lobby		
September 18 283 Galvin	Edward Hinchcliffe	Jonathan Stefely (Chemistry, Miller)	Kurt Piepenbrink (Biochemistry, Baker)
October 2 283 Galvin	Patricia Clark	Julia Philip (Chemistry, Goodson)	Jessica Hornick (Biology, Hinchcliffe)
October 16 283 Galvin	CBBI Seminar, Roy Mariuzza, University of Maryland <i>Structural Basis for Self Recognition by Autoimmune and Tumor-Specific T Cell Receptors</i>		
October 30 283 Galvin	Shahriar Mobashery	Francis Insaideo (Biochemistry, Baker)	
November 6 283 Galvin	CBBI Seminar, Dasantila Golemi-Kotra, University of North Carolina <i>Staphylococcus aureus Response to Cell Wall Inhibitors: One Step Closer to Avoiding Antibiotic Resistance</i>		
November 13 283 Galvin	Brian Baker	Oleg Borbulevych (Biochemistry, Baker)	John Markiewicz (Chemistry, Helquist)
November 27	No Meeting, Thanksgiving		
December 11 283 Galvin	Jennifer Dubois	Major Gooyit (Chemistry, Mobashery)	Richard Besingi (Biochemistry, Clark)
December 25	No Meeting, Holiday Break		
January 8	No Meeting, Holiday Break		
January 22 126 DeBartolo	Robert Schulz	Christine Monteleon (Biology, D'Souza-Schorey)	Ian Sander (Biochemistry, Clark)
February 5 126 DeBartolo	Michael Ferdig	Michelle Favila (Biology, McDowell)	Bryan Smith (Biochemistry, Smith)
February 19 126 DeBartolo	Holly Goodson	Carolyn Dehner (Biochemistry, Dubois)	Mark Wacker (Biology, Ferdig)
March 5 126 DeBartolo	Olaf Wiest	Raul Juarez Hernandez (Chemistry, Miller)	Brian Wilson (Biochemistry, Peng)
March 19	CBBI Faculty Meeting, 126 DeBartolo		
April 2 126 DeBartolo	Crislyn D'Souza-Schorey	Apryle O'Farrell (Chemistry, Mobashery)	Edwin Siu (Biology, Ferdig)
April 9 126 DeBartolo	David Dolphin, University of British Columbia <i>Supramolecular Chemistry Using Metals and Dipyrromethenes</i>		
April 16	CBBI Fellowship Application Meeting, 126 DeBartolo		
April 23 126 DeBartolo	CBBI Seminar, Juan Hermoso, Consejo Superior de Investigaciones Cientificas <i>Structural Biology of Host-Pathogen Interactions in Streptococcus pneumoniae</i>		
May 11-12 Jordan	CBBI Retreat, David Lynn, Emory University		
May 28 283 Galvin	Jeffrey Schorey	Tim Wencewicz (Chemistry, Miller)	Esther Braselmann (Biochemistry, Clark)
June 11 283 Galvin		Rosanne Frederick (Biochemistry, Dubois)	Baiyuan Yang (Chemistry, Miller)
June 25 283 Galvin	Paul Helquist	Yao Shen (Chemistry, Wiest)	
July 9 283 Galvin	Bradley Smith	Matthew Leevy, University of Notre Dame <i>A Multimodal Approach to Non-Invasive Imaging of Disease Models and Biological Systems in Living Mice</i>	
July 23 283 Galvin	Richard Taylor	Victoria Lam (Biology, Schulz)	Erin Cole (Chemistry, Smith)
August 6 283 Galvin	Shahriar Mobashery	Robert Bonomo, Case Western University School of Medicine <i>Challenging Beta-Lactamases</i>	
August 27	Yearly Evaluation and Organizational Faculty Meeting		

September 18th, 2008

Jonathan Stefely (Chemistry, Miller)

Synthesis, Antitumor Activity, and Biological Evaluation of Novel 1,2,3-Triazole-Based Tubulin Polymerization Inhibitors

Kurt Piepenbrink (Biochemistry, Baker)

Investigating the Physical Basis of T-Cell Receptor Recognition of Class I MHC Molecules

October 2nd, 2008

Julia Philip (Chemistry, Goodson)

Nuclear Mechanotransduction: Response of the lamina to Extracellular Stress with Implications In Aging

Jessica Hornick (Biological Sciences, Hinchcliffe)

Live Cell Analysis of Mitotic Spindle Formation in Taxol-Treated Cells

October 16th, 2008

Roy Mariuzza, University of Maryland Biotechnology Institute

Structural Basis for Self Recognition by Autoimmune and Tumor-Specific T Cell Receptors

October 30th, 2008

Francis Insaiddo (Biochemistry, Baker)

Nuclear Mechanotransduction: Response of the lamina to Extracellular Stress with Implications In Aging

November 6th, 2008

Dasantila Golemi-Kotra, Department of Chemistry and Biochemistry, University of North Carolina

Staphylococcus aureus Response to Cell Wall Inhibitors: One Step Closer to Avoiding Antibiotic Resistance

Success in Academia: A Junior Scientist Perspective

November 13th, 2008

Oleg Borbulevych (Biochemistry, Baker)

An Unprecedented MHC I Alpha 2 Helix Rearrangement as a Novel Mechanism for Structural Diversity between pMHC and TCR

John Markiewicz (Chemistry, Helquist)

Trichostatin A: A potent HDAC Inhibitor and Potential Niemann-Pick Therapeutic Agents

December 11th, 2008

Major Gooyit (Chemistry, Mobashery)

Syntheses and Characterization of Diastereomeric 2-(1-(4-phenoxyphenylsulfonyl)ethyl)thiiranes that are Potent Gelatinase Inhibitors

Richard Besingi (Biochemistry, Clark)

Characterization of the the VirG Autotransporter from Yersina pestis

January 22nd, 2009

Christine Monteleon (Biology, D'Souza-Schorey)

ARF6-mediated Regulation of Epithelial Cyst Organization

Ian Sander (Biochemistry, Clark)

Effects of Rare Codon Clusters on Protein Function

February 5th, 2009

Michelle Favila (Biological Sciences, McDowell group)
Macrophage and Dendritic Cell Responses to Leishmania Infection

Bryan Smith (Biochemistry, Smith group)
Molecular Imaging of Tumors using a Near-Infrared Synthetic Probe

February 19th, 2009

Carolyn Dehner (Biochemistry, Dubois group)
Insight into Siderophore and Reductant Dependence in Iron Acquisition from Hematite by Pseudomonas mendocina ymp

Mark Wacker (Biology, Ferdig group)
Dissecting the Genetic Basis of Malaria Metabolism

March 5th, 2009

Raul Juarez (Chemistry, Miller group)
Addressing TB, Mycobactic Acid Analogues

Brian Wilson (Biochemistry, Peng group)
Exploring Mechanisms of Signal Transduction by Relaxation Dispersion

April 8th and 9th, 2009

David Dolphin, Department of Chemistry, University of British Columbia; Vice President, Technology Development, Quadra Logic Technologies
How to Make \$3,000,000,000 from a Knowledge of Vampires
Supramolecular Chemistry Using Metals and Dipyrromethenes

April 23rd, 2009

Juan Hermoso, Consejo Superior de Investigaciones Cientificas, Madrid, Spain
Structural Biology of Host-Pathogen Interactions in Streptococcus pneumoniae

May 12th, 2009

David Lynn, Departments of Chemistry and Biology, Emory University
Darwin at 200: Thoughts on Origins of Chemical Evolution

May 28th, 2009

Timothy Wencewicz (Chemistry, Miller group)
Exploiting Bacterial Iron Acquisition for "Trojan Horse" Drug Delivery: Antibiotic Conjugates of the Siderophore Danoxamine

Esther Braselmann (Biochemistry, Clark group)
Do Autotransporter Virulence Proteins Cross the Outer Membrane on Their Own?

June 11th, 2009

Rosanne Frederick (Biochemistry, Dubois group)
Kinetic Characterization of an L-Ornithine Monooxygenase Necessary for Siderophore Biosynthesis in Aspergillus fumigatus

Baiyuan Yang (Chemistry, Miller group)
Application of Nitroso Diels-Alder Chemistry to Solve Biochemical Problems: I. Expanding the Biological Profile of Natural Products; II. Discovery of a Novel Family of Antibiotics?

June 25th, 2009

Yao Shen (Chemistry, Wiest group)

Novel Antibiotics from Systems Biology and Atomistic Modeling

July 9th, 2009

Matthew Leevy

Manager Notre Dame Integrated Imaging Facility, Assistant Research Professor

Department of Chemistry and Biochemistry, University of Notre Dame

A Multimodal Approach to Non-Invasive Imaging of Disease Models and Biological Systems in Living Mice

July 23rd, 2009

Victoria Lam (Biology, Schulz group)

The M2 Toxin: Novel Cell Ablation System in Drosophila

Erin Cole (Chemistry, Smith group)

New Fluorescent Probes for Bioimaging

August 6th, 2009

Robert Bonomo, Department of Pharmacology, Case Western Reserve University

Challenging Beta-Lactamases