

**Chemistry-Biochemistry-Biology Interface Seminar Schedule 2009-2010 (Thursdays, 2:00-3:00 pm)**

<b>Date</b>	<b>Moderator/ Refreshments</b>	<b>Speaker 1</b>	<b>Speaker 2</b>
September 4	CBBI Fall Social, 5:00 pm, Stepan lobby		
September 17 184 NSH	Jennifer Dubois Julia Philip	Kurt Piepenbrink (Biochemistry, Baker) <i>My Internship in T-Cell Design</i>	
October 1	Apryle O'Farrell/ Francis Insaideoo	11:00 am, 123 NSH, Katherine Seley-Radtke, U. of Maryland <i>Exploring Structural Diversity in Drug Design</i>	
	Francis Insaideoo/ Major Gooyit	2:00 pm, 184 NSH, Michael Radtke, National Institutes of Health <i>Enhancing Peer Review Changes and Career Opportunities at NIH</i>	
October 2 123 NSH	Erin Cole/	2:00 pm, 123 NSH, Katherine Seley-Radtke, University of Maryland <i>Alternative Science Careers</i>	
October 15 184 NSH	Yao Shen	Julia Philip (Biochemistry, Goodson) <i>Towards a Yeast-Based Biosensor for Continuous Monitoring of Water Quality</i>	
October 29	Shahriar Mobashery Bryan Smith	Ashok Bhagwat, Wayne State University <i>Mechanisms of Hypermutations in Bacteria and B Lymphocytes</i>	
November 5 184 NSH	Patricia Clark/ Brian Gloor	Jeanette Young (Biochemistry, Taylor) <i>My Research in Germany: Towards Characterization of the Polyketide Synthase Gene Cluster Responsible for Gephyronic Acid Production</i>	
November 19 184 NSH	Holly Goodson/ Apryle O'Farrell	Ian Sander (Biochemistry, Clark) <i>Protein Biogenesis: An Internship on the Bacterial Chromosome</i>	
December 3 184 NSH	Tim Wencewicz Ian Sander	Michael Haukaas, Schwegman Lundberg & Woessner <i>Introduction to Patent Law from a Chemical Perspective</i>	
December 3 123 NSH 4:00 pm	Apryle O'Farrell & Christine Monteleon	<p align="center"><i>"Career Pathways for Scientists"</i></p> Michael Haukaas, Schwegman Lundberg & Woessner (patent law) Mary Mader, Eli Lilly & Company (industry) Anthony Serianni, University of Notre Dame (entrepreneurship) Gene Stowe, South Bend Tribune (science writing/reporting) Katherine Taylor, University of Notre Dame (government)	
December 7 129 DeBartolo 3:00 pm	Shahriar Mobashery/ Apryle O'Farrell, Major Gooyit	Yuh-lin Wang, Academia Sinica, Taiwan <i>Monitoring the Response of Bacteria to Antibiotics by Surface-Enhanced Raman Spectroscopy</i>	
December 17 December 31	No Meeting, Holiday Break		
January 14 184 NSH	Robert Schulz/ Mark Wacker	Allen Oliver, University of Notre Dame <i>SCrALS: Collaborative Access for Chemical Crystallography at the Advanced Light Source</i>	
January 28 184 NSH	Mary Ann McDowell Rosanne Frederick	Cheng Ji (Chemistry, Miller)	Jill Dzurisin (Biochemistry, Goodson)
February 11 184 NSH	Joseph O'Tousa/ Jill Dzurisin	Bryan Smith (Biochemistry, Smith)	Paul Kroeger (Biology, Schulz)
February 25 184 NSH	Shahriar Mobashery/ Zhiqing Zhu	Irene Nga Wing Lee, Case Western Reserve University <i>A Chemical Approach to Study the ATP-dependent Protease Lon</i>	
March 4 184 NSH	Paul Helquist/ Pauline Bourbon	Ban-An Khaw, Northeastern University, Akrisis Technologies LLC <i>Molecular Diagnosis, Imaging and Therapy in Cardiovascular Diseases and Cancer: Potential for Development of Theranostics</i>	
March 11 251 NSH	11:00 am, CBBI Faculty Meeting		
April 1 184 NSH	Bradley Smith/ Tim Wencewicz	Philip Thorpe (U. Texas Southwestern Medical School) <i>Targeting Inside-Out Phosphatidylserine in Cancer and Viral Diseases</i>	

April 8 184 NSH	Michael Ferdig/ Christine Monteleon	Esther Braselmann (Biochemistry, Clark)	Mary Cloutier (Biology, Haldar)
April 15 184 NSH	Mayland Chang/ Kurt Piepenbrink	CBBI Fellowship Application Meeting	
April 22 184 NSH	Crislyn D'Souza- Schorey/Erin Cole	Major Gooyit (Chemistry, Mobashery) <i>Gelatinase as Targets of Inhibition in Intervention of Disease</i>	
May 6 184 NSH	Robert Stahelin/ Casey Cosner	Mark Wacker (Biology, Ferdig) <i>Dissecting the Genetic Basis of Malaria Metabolism</i>	
May 12-13 101 Jordan	CBBI Symposium, Steven Brickner, SJ Brickner Consulting LLC <i>Strategies for Navigating Past the Potholes &amp; Pitfalls on the Road to Drug Discovery: Lessons Learned in the Search for New Antibiotics</i>		
May 27	Shahriar Mobashery/ Michelle Favila	Juan Hermoso, Consejo Superior de Investigaciones Cientificas <i>Remodeling Bacterial Cell Wall Machines</i>	
June 10	Michael Ferdig/ Bryan Smith	Timothy Wencewicz (Chemistry, Miller)	Rosanne Frederick (Biochemistry, Dubois)
June 24	Esther Braselmann	Julia Philip (Chemistry, Goodson) <i>Investigating Phosphorylation of the Yeast Protein Bik1: What I Learned on my Internship at Oklahoma State</i>	
July 8	Beatrice Blanc	Eric Gordon, Skyline Ventures <i>Career Paths: A Conversation with Dr. Eric Gordon, Scientist, Entrepreneur, and Investor</i>	
July 22	Joshua Lee	CBBI Summer Undergraduate Research Program Presentations: Mariangelli Colón (Miller), Maria Guardia (Schulz), Darrell Soler (Mobashery)	
July 29	Jordan Scott	CBBI Summer Undergraduate Research Program Presentations Leslie Montañez (Mobashery), Juana Corado (Baker), Mana Espahbodi (Chang)	
August 5	Mary Cloutier	Christine Monteleon (Biology, D'Souza-Schorey) <i>New Approaches to Examining the Extracellular Matrix in Three Dimensional Cultures of Epithelial Cysts</i>	
September 2	Yearly Evaluation and Organizational Faculty Meeting		

January 28<sup>th</sup>, 2010

Cheng Ji (Chemistry, Miller laboratory)

*Development of Releasable Linker for Siderophore-Drug Conjugates*

Jill Dzurisin (Biochemistry, Goodson laboratory)

*The Role of CLIPR76 and Microtubules in Muscle Development*

February 11<sup>th</sup>, 2010

Bryan Smith (Biochemistry, Smith lab)

*Optical Imaging of Anionic Membranes for Detecting and Monitoring Disease States In Vivo*

Paul Kroeger (Biology, Schulz lab)

*Transcriptional Regulation of eater Gene Expression in Plasmotocytes*

April 8<sup>th</sup>, 2010

Esther Braselmann (Biochemistry, Clark group)

*Identification of Outer Membrane Secretion Determinants for Autotransporter Virulence Proteins*

Mary Cloutier (Biology, Haldar group)

*Lipid Alterations in Niemann Pick Type C*

June 10<sup>th</sup>, 2010

Timothy Wencewicz (Chemistry, Miller group)

*Discovery of 2-(N-Alkyl-N-hydroxyamino)-pyridine as a New Antibiotic Scaffold*

Rosanne Frederick (Biochemistry, Dubois group)

*Ornithine Monooxygenase: Characterization, Family Ties, & Potential Antimicrobial Target*

July 22<sup>nd</sup>, 2010

Mariangeli Colon (Chemistry, Miller group)

*SAR Study on Aromatic Nitro Compounds and their Anti-Tuberculosis Activity*

Maria Guardia (Biological Sciences, Schulz lab)

*Deficiency Screen of the Drosophila Lymph Gland for Abnormal Differentiation*

Darrell Soler (Chemistry, Mobashery group)

*Future Antibiotics*

July 29<sup>th</sup>, 2010

Leslie Montañez (Biochemistry, Mobashery group)

*Introduction of a Fluorescent tag in PBP2a from Staphylococcus aureus to Monitor Conformational Changes and Ligand Binding*

Juana Corado (Biochemistry, Baker group)

*Peptide Dependence of MHC Backbone Dynamics*

Mana Espahbodi (Chemistry, Chang group)

*Metabolism of the Hydroxymethyl SB-3CT Derivative, A Potent Gelatinase Inhibitor*