

**Chemistry-Biochemistry-Biology Interface Seminar Schedule 2024-2025 (Thursdays, 2:00-3:00 pm) B01
McCourtney Hall**

Date	Moderator	Speaker 1	Speaker 2
July 25th	Mayland Chang	Maria Cristina Miranda-Vergara, UPAEP, (La Universidad Popular Autónoma del Estado de Puebla) <i>"miRNAs, mRNA, MMPs and their substrates as biomarkers in the breast tumor and endometriosis microenvironments"</i>	
August 29th	Mayland Chang	Milah Young (biochemistry, Melander lab) <i>"Investigating the Effect of IMD-0354 on the Two-Component System Associated with Colistin Resistant Acinetobacter baumannii"</i>	
September 12th	Juan Del Valle	Professor Ed Seto, George Washington University Cancer Center <i>"Targeting Histone Deacetylases for Cancer Therapy and Beyond"</i>	
September 26th	Shahriar Mobashery	Prof. Focco van den Akker, Case Western Reserve University, <i>"Exploring peptidoglycan glycosidases as targets for developing novel antimicrobial therapeutic strategies."</i>	
October 10th	Juan Del Valle	Hannah Marietta (chemistry, M. Champion lab) <i>"Identifying Proteins Involved in Mycomembrane Remodeling with Free Mycolic Acid Probes"</i> , Dan Shutter (chemistry, Melander lab) <i>"Synthesis and Structure-Activity Relationship of a Diterpene Scaffold for β-lactam Potentiation in Methicillin-Resistant Staphylococcus aureus"</i>	
October 24th		<i>Fall Break – No Seminar</i>	
November 7th	Brittany Morgan	John Schneekloth, NIH, <i>"Using Structure, Screening, and Design to Understand RNA as a Target for Small Molecules"</i>	
November 14th	Brian Blagg	John Bushweller, University of Virginia, <i>"Targeting autoinhibition to develop a potent and specific inhibitor of ERG and FLII binding to DNA"</i>	
November 21st	Shahriar Mobashery	Dr.Olga Lomovskaya, Qpex Biopharma cancelled	
December 5th	Juan Del Valle	Paramjit Arora, NYU, <i>"Short stories in molecular recognition (of protein surfaces) and catalysis (of amide bonds)"</i>	
January 16th	Christian Melander	Professor Andrew Lowell, Virginia Polytechnical Institute and State University <i>"Antibiotic development through natural product optimization"</i>	
January 30th	Matt Champion	Carlos Cal y Mayor Luna (biophysics, Mobashery lab) <i>Elucidation of Spore-Germination Mechanism of Clostridioides difficile</i> , Johann Roque (chemistry, Morgan lab) <i>"Demystifying the Selective Targeting of Dynamic Loop Regions with Covalent Ligands"</i>	
February 6th	Shahriar Mobashery	Michael Crowder, Miami University <i>"Probing bourbon barrel aging with NMR and GC-MS"</i>	
February 13th	Brittany Morgan	Praise Chukwunalu Chukwuma (IBMS, Baker lab), Avraz Anwar (chemistry, Del Valle lab)	
February 20th	Christian Melander	Professor Mark Mitton-Fry, The Ohio State University <i>"Discovery of the Bacterial Topoisomerase Inhibitor OSUAB-0284, a Development Candidate for Drug-resistant Bacterial Infections."</i>	

February 27th		Andrew Gutierrez (IBMS, Blagg lab), Bassant Eldaly (IBMS, Baker lab)
March 13th		<i>Spring Break – No seminar</i>
March 20th	Brian Blagg	Professor Paul Hergenrother, University of Illinois Urbana-Champaign
April 10th	Christian Melander	Professor Xuefei Huang, Michigan State University
April 24th	Christian Melander	Jonathan Lindsey, North Carolina State University
May 19th - 20th Symposium	Christian Melander/ Shahriar Mobashery	Heike Brötz-Oesterhelt, University of Tübingen