

CHEMISTRY-BIOLOGY INTERFACE SEMINARS

Spring 2009

Lab Rotation Periods

C.E. Students: IV. Mon. Feb. 9 – Fri. Mar 27
C.E. Students: V. Mon. Apr. 6 – Wed. May 20

TIME: **Wednesdays, 12:15pm–1:15pm**

PLACE: **Brown Lab, Room 219**

February 11	Presentations by 3 First-year Students on First Rotation Scott Crown (Sharon Rozovsky's lab): "Reconstitution of GPI Alkaline Phosphatase in Supported Lipid Bilayers"; Patrick McNeely (Brian Bahnson's lab): "Medium-Throughput Crystallography: Expression, Purification, and Characterization of Human PRDX6"; Natalee Smith (John Koh's lab): "Effects of Hormone Response Element composition on the dominant negative effect of the Thyroid Hormone Receptor"
February 18	Presentations by 3 First-year Students on Third Rotation Stephanie Scott (Melinda Duncan's lab): "Genotypical and Phenotypical Characterization of Lens Specific Prox1 Conditional Knockout Mice"; Brian Grindel (Rob Sikes' lab): "Prostate Cancer Perineural Invasion Through SCN2B and MPZL2 Interactions"; Daniel Hess (Terry Papoutsakis' lab): "Re-Citrate Synthase Activity and RNA Characterization in Clostridium acetobutylicum"
February 25	Dr. Lizbeth Hedstrom Markey Professor of Chemistry and Biochemistry, Brandeis University "IMP Dehydrogenase and the dynamics of drug selectivity"
March 4	Dr. Lorena S. Beese James B. Duke Professor of Biochemistry, Duke Medical School "DNA Lesion Complexes in Human Mismatch Repair and Replication"
March 11	Update on Research of Students in the CBI Program Zachary T. Britton (Lab of Anne Robinson): "GPCR Expression and Purification" Mary Boggs (Labs of Thomas Beebe and Randall Duncan): "Osteocyte-Neuron Communication in Bone: A Novel Mechanism for Transmission of Pain Associated with Bone Cancer"
March 18	Dr. Mary Kay H. Pflum Associate Professor, Department of Chemistry, Wayne State University "Kinase Cosubstrate Promiscuity"
March 25	Presentations by 3 First-year Students on Second Rotation Patrick McNeely (Anne Robinson's laboratory): "An Assay for Functional GPCR – G-Protein Coupling in Chimeric Engineered Yeast", Natalee Smith (Millicent Sullivan's lab): "Characterization of DNA Compaction with Spermidine Trihydrochloride", Scott Crown (Maciek Antoniewicz's lab): "Measuring Gluconeogenesis Fluxes in FAO Liver Cells"
April 8	Update on Research of Students in the CBI Program <u>Swati S. Pradhan</u> (M. Cynthia Farach-Carson's lab): "Tissue engineering of an artificial salivary gland" <u>Molly O'Hagan</u> (Charlie Riordan's lab): "Mechanism of alkyl transfer from cobaloximes to zero valent nickel complexes as a model for Acetyl Coenzyme A Synthase"
April 15	<u>Update on Research of Students in the CBI Program</u> Matthew Weitzman (Ulhas Naik's lab), Jennifer Coddling (Colin Thorpe's lab)
April 29	<u>Update on Research of Students in the CBI Program</u> Abby Grabitz (Melinda Duncan's lab), Benjamin Israel (Colin Thorpe's lab)
May 6	Dr. Mark A. Lemmon Professor and Chair, Department of Biochemistry and Biophysics, University of Pennsylvania "Extracellular Regulation of the Epidermal Growth Factor Family"
May 13	<u>Update on Research of Students in the CBI Program</u> Anastasia Fuzaylova (Roberta Colman's & Brian Bahnson's lab), Erin Foster (Daniel Simmons' lab)
May 20	<u>Presentations by 3 First-year Students on Third Rotation</u> Natalee Smith, Scott Crown, Patrick McNeely