Institute for Biophysical Dynamics
2012-2013 Interdisciplinary Research Seminar Series

Autumn, 2012

Tuesday, 9 October 2012
Jamie Williamson, PhD
Departments of Molecular Biology and of Chemistry
The Scripps Research Institute
Dynamics of Ribosome Assembly in Cells
Hosted by Greg Voth

Tuesday, 13 November 2012
Gaudenz Dansuser, PhD
Department of Cell Biology,
Harvard Medical School
Image fluctuation analysis of mechanochemical signals in migrating cells
Hosted by Margaret Gardel/Ed Munro

Tuesday, 27 November 2012
Thomas V. O'Halloran, PhD,
Department of Chemistry
Northwestern University
Zinc fluxes control mammalian fertilization & development
Hosted by Tony Kossiakoff

Tuesday, 4 December 2012
Michael Grabe, PhD,
Department of Biology
University of Pittsburgh
ATP permeation across the outer mitochondrial membrane: insight from structure & simulation
Hosted by Eduardo Perozo

Tuesday, 4 December 2012
David Coker, PhD,
University College Dublin,
Engineering energy transfer & charge separation processes in natural & synthetic nano structured light harvesting systems
Hosted by Benoit Roux

Winter, 2012

Tuesday, 19 February 2013
Bozhi Tian, PhD
Department of Chemistry
University of Chicago
Nanoscale Semiconductor Materials and Devices – From Electrophysiology to Synthetic Biology
Hosted by Chuan He

Tuesday, 5 March 2012
Karen G. Fleming, PhD
Department of Biophysics
Johns Hopkins University
Biophysical & biological implications of membrane protein thermodynamic stability
Hosted by Ka Yee Lee

Thursday, 21 March 2013
Steven M. Block, PhD,
S.W. Ascherman Professor of the Sciences
Department of Biology and of Applied Physics, Stanford,
Optical Tweezers: Gene Regulation, Studied One Molecule at a Time
Student Hosted

Spring, 2012

Tuesday, 4 April 2013
Rohit Pappu, PhD,
Department of Biomedical Engineering,
Washington University in St. Louis *Sequence-ensemble Relationships of Intrinsically Disordered Proteins*
Hosted by Tobin Sosnick

Tuesday, 30 April 2013
Ralf Langen, PhD,
Zilkha Neurogenetic Institute
University of Southern California
How proteins control membrane curvature
Hosted by Ka Yee Lee

Tuesday, 14 May 2013
Eva Nogales, PhD
Howard Hughes Medical Institute, UC-Berkeley
Structural insights into the process of eukaryotic transcription initiation & its regulation
Hosted by Benoit Roux

Tuesday, 21 May 2013
Lewis Kay, PhD,
Department of Biochemistry,
University of Toronto,
Seeing the Invisible by Solution NMR
Hosted by Tobin Sosnick