

Institute for Biophysical Dynamics
2011-2012 Interdisciplinary Research Seminars
Gordon Center for Integrative Science W301/303 at noon (unless otherwise noted)

Autumn, 2011

Tuesday, 27 September
H. Ronald Kaback, MD, Dept of Physiology, UCLA
Dr. K Chases the Great White Permease
Hosted by Eduardo Perozo

Tuesday, 4 October
Douglas N. Robinson, PhD, Dept of Cell Biology,
Johns Hopkins School of Medicine
Cytokinesis Dynamics & Mechanics
Hosted by Ron Rock

Tuesday, 25 October
Mark J. Yeager, MD-PhD, Dept of Molecular Physiology &
Biological Physics, Univ of Virginia School of Medicine
*Mechanisms of HIV Capsid Assembly Revealed by Electron
& X-ray Crystallography of the CA Protein*
Hosted by Greg Voth

Wednesday, 26 October, 1:30 p.m. (note special date/time)
Mark J. Yeager, MD-PhD, Dept of Molecular Physiology &
Biological Physics, Univ of Virginia School of Medicine
*Structural Studies of Connexin Membrane Channels from 25
to 2.5 Angstroms:*
A Progress Report over 25 Years
Hosted by Greg Voth

Tuesday, 1 November
Cliff Brangwynne, PhD, Dept of Chemical & Biological
Engineering, Princeton University
Building an embryo, drop by drop
Hosted by Margaret Gardel

Friday, 4 November
Knapp Center for Biomedical Discovery 1103 (note special
day/ocation)
Timothy A. Ryan, PhD, Dept of Biochemistry, Weill Cornell
Medical College
Control of release probability by calcium channel subunits
Hosted by Benoit Roux

Tuesday, 8 November
Eric Westhof, PhD, Institut de Biologie Moléculaire et
Cellulaire, Université de Strasbourg
The elementary modules of RNA & how to detect them
Hosted by Tobin Sosnick

Tuesday, 6 December
Carol Post, PhD, Dept of Medicinal Chemistry &
Pharmacology, Purdue University
Dynamics & thermodynamics from MD simulations
Hosted by Ridg Scott

Winter, 2012

Tuesday, 21 February
Andreas Matouschek, PhD, Dept of Molecular Biosciences,
Northwestern University
How the proteasome picks its substrates for degradation
Hosted by Ben Glick

Tuesday, 6 February
Philip A. Cole, MD-PhD, Dept of Pharmacology & Molecular
Sciences, Johns Hopkins School of Medicine
Understanding Molecular Reactivity in Living Cells
Hosted by Chuan He

Spring, 2012

Tuesday, 27 March
Indira Raman PhD, Dept of Neurobiology, Northwestern
*Mechanisms & consequences of open-channel block of
neuronal sodium channels*
Hosted by Eduardo Perozo

Tuesday, 10 April
Linda Kenney, PhD, Dept of Biochemistry & Molecular
Genetics, University of Illinois Chicago
Sensing osmotic stress, from single cells to the cytoplasm
Hosted by Eduardo Perozo

Tuesday, 3 April
Edward H. Egelman, PhD, Dept of Biochemistry &
Molecular Genetics, University of Virginia
*Polymorphism in Protein Polymers: Implications for
Evolutionary Mechanisms*
Hosted by Greg Voth

Tuesday, 17 April
Wesley I. Sundquist, PhD, Dept of Biochemistry, Univ of
Utah
The ESCRT pathway in HIV Budding & Cell Division
Hosted by Greg Voth

Monday, 23 April, 12-1:00, Note special day
Jean-Luc Popot, PhD, CNRS/Université Paris
*Applications of amphipols to membrane protein studies (and
some new insights into membrane protein folding*
Hosted by Howard Shuman

Tuesday, 1 May
Haw Yang, PhD, Department of Chemistry, Princeton
Understanding Molecular Reactivity in Living Cells
Hosted by Norbert Scherer

Tuesday, 7 May
Hubert Yin, PhD, Dept of Chemistry, Univ of Colorado
Drugging the Undruggable
Hosted by Steve Kent

Tuesday, 29 May 2012
Devin Strickland, PhD, Dept of Molecular Genetics & Cell
Biology, University of Chicago
*Shedding light on the minimum requirements for polarity
establishment*
Hosted by Tobin Sosnick