



TEXAS TECH UNIVERSITY HEALTH SCIENCES CENTER
School of Medicine
Center for Membrane Protein Research

5th Annual Meeting

September 17-18, 2013

Tuesday, September 17, 2013

Room ACB 120 2:00 - 3:30 p.m.

Welcome

Steven Berk, M.D. (2:00 - 2:15 p.m.)
Executive Vice President and Provost
Dean, School of Medicine

“ABC transporters: Structures and Mechanisms”

Keynote Address by Douglas Rees, Ph.D. (2:15 - 3:15 p.m.)
Professor
Department of Chemistry, California Institute of Technology

Poster Session

1st floor lobby of the ACB, 3:30 - 6:00 p.m.

Wednesday, September 18, 2013

Room ACB 120, 1:30 – 5:20 p.m.

Welcome

Luis Reuss, MD (1:30 - 1:45 p.m.)
Professor and Chair of the Department of Cell Physiology and Molecular Biophysics
Director of the Center for Membrane Protein Research

“The $\alpha 4\beta 2$ Neuronal Nicotinic Acetylcholine Receptor: Structure/Function Studies”

Michael Blanton, Ph.D. (1:45 - 2:25 p.m.)
Professor, Department of Pharmacology & Neuroscience, TTUHSC

“An atomic description of the kinetic cycle of a K⁺ channel”

Luis Cuello, Ph.D. (2:25 – 3:05 p.m.)
Assistant Professor, Department of Cell Physiology & Molecular Biophysics, TTUHSC

“Evaluation of detergents for CFTR purification, concentration, and reconstitution of ATPase activity”

Ina Urbatsch, Ph.D. (3:05 – 3:45 p.m.)
Associate Professor, Department of Cell Biology & Biochemistry, TTUHSC

Break (3:45 – 4:00 p.m.)

“X-ray crystal structures of MelB and Na⁺/sugar symport mechanism”

Lan Guan, M.D., Ph.D. (4:00 - 4:40 p.m.)
Associate Professor, Department of Cell Physiology & Molecular Biophysics, TTUHSC

“Separation of nucleotide-binding domains during ABC protein function”

Guillermo Altenberg, M.D., Ph.D. (4:40 – 5:20 p.m.)
Professor, Department of Cell Physiology & Molecular Biophysics, TTUHSC