Three Decades of Neuroscience on Glutamate Receptor Channels
John Edward Porter Neuroscience Research Center, NIH Campus
December 7, 2015

AGENDA

Monday, December 7, 2015

9:30 a.m. Welcome and Opening Remarks
Kenton Swartz, Ph.D., Senior Investigator, Molecular Physiology and Biophysics Section,
National Institutes of Neurological Disorders and Stroke, National Institutes of Health

9:35 a.m. "Who knew NMDA Receptors did this....."
Gary Westbrook, M.D., Senior Scientist and Co-Director, Vollum Institute, Oregon Health and Science University

10:05 a.m. “Too many Potassium Channels”
Bruce Bean, Ph.D., Robert Winthrop Professor of Neurobiology, Department of Neurobiology, Harvard Medical School

10:35 a.m. “Glutamate Receptor Pores”
James Huettner, Ph.D., Professor, Department of Cell Biology and Physiology, Washington University in St. Louis

11:05 a.m. Break

11:30 a.m. “NMDA Receptors: Presynaptic, Postsynaptic, Metabotropic?”
Craig Jahr, Ph.D., Senior Scientist, Vollum Institute, Oregon Health and Science University

12:00 p.m. “The Functional Anatomy of the Ionotropic Glutamate Receptor Family”
Derek Bowie, Ph.D., Professor, McGill University

12:30 p.m. “AMPA Receptor Domains and Synaptic Trafficking”
Roger Nicoll, M.D., Professor, University of California, San Francisco

1:00 p.m. Lunch

2:00 p.m. “Structure of ASIC1-Snake Toxin Complex Reveals Mechanism of Ion Selectivity in ENaC/DEG Channels”
Isabelle Baconguis, Ph.D., Vollum Fellow, Vollum Institute, Oregon Health and Science University

2:30 p.m. "Glutamate Receptors: Lights, Camera, Action"
Andrew J R Plested, Ph.D., Group Leader, Molecular Neuroscience and Biophysics, Leibniz-Institut Fur Molekulare Pharmakologie

3:00 p.m. “G Protein Activation of the GIRK Potassium Channel”
Roderick MacKinnon, M.D., Professor, Laboratory of Molecular Neurobiology and Biophysics, Rockefeller University

3:30 p.m. Break
4:00 p.m.  “Structure, Function, and Biology of NMDA Receptors”  
Hiro Furukawa, Ph.D., Associate Professor, Cold Spring Harbor Laboratory

4:30 p.m.  "Molecules, Mechanisms and Mark: Adventures in Atomic Exploration at Chemical Synapses"  
Eric Gouaux, Ph.D., Senior Scientist, Vollum Institute Oregon Health and Science University

5:00 p.m.  “What's in a name? AMPA and Kainate Receptors in Flies and Ctenophores”  
Mark Mayer, Ph.D., Senior Investigator, Laboratory of Cellular and Molecular Neurophysiology, Eunice Kennedy Shriver National Institute of Child Health and Human Development, National Institutes of Health

5:30 p.m.  Closing Remarks  
Story C. Landis, Ph.D., Scientist Emeritus, NINDS Intramural Program