

Synaptic Inhibition in Health and Disease conference

October 15-16, 2009 - Chicago, IL

Register online at: www.abcam.com/SIHD

Conference program

Thursday, October 15th

- 9:05 AM Uwe Rudolph (McLean Hospital, Harvard Medical School), GABA-A receptor subtype-specificity of drug action: a paradigm leading to novel therapeutic strategies
- 9:35 AM Josef Kittler (University College London), Regulation of inhibitory synaptic transmission by motor proteins and adaptors
- 10:05 AM Bernhard Luscher (Penn State University), Modest forebrain specific GABAergic deficits cause HPA axis hyperactivity associated with development of anxious depressive disorders and antidepressant behavioral and endocrine sensitivity to desipramine but not fluoxetine
- 10:20 AM Coffee break
- 10:50 AM Kirsten Harvey (The School of Pharmacy, University of London), The role of collybistin and gephyrin in GABA-A receptor clustering
- 11:20 AM Trevor Smart (University College London), Inhibitory synaptic plasticity
- 11:50 AM Robert Messing (Ernest Gallo Clinic and Research Center), Regulation of GABA-A Receptor Trafficking by Protein Kinase C epsilon and NSF
- 12:05 PM Lunch
- 1:05 PM Neil Harrison (Columbia University) , Synaptic and extrasynaptic GABAA receptors in the thalamus
- 1:35 PM Richard Olsen (University of California, Los Angeles), GABA_A Receptors: Identification of modulatory sites
- 2:05 PM A. Leslie Morrow (University of North Carolina School of Medicine), Ethanol regulation of GABA-A α 1 receptor surface expression is dependent upon PKA and PKC activation in cultured cerebral cortical neurons
- 2:20 PM Jamie Maguire (David Geffen School of Medicine, UCLA), Neurosteroid regulation of GABA_A receptors in health and disease
- 2:50 PM Coffee break
- 3:20 PM Amy Brooks-Kayal (University of Colorado School of Medicine), Molecular regulation of GABA_A receptor subunit expression
- 3:50 PM John Huguenard (Stanford University School of Medicine), GABA_A and GABA_B receptor signaling in epileptic thalamic networks
- 4:20 PM Sabine Lévi (INSERM), A mutation of GABRG2 linked to generalized epilepsy with febrile seizures alters the membrane dynamics of GABA receptors
- 4:35 PM Sambhav Dave (Abcam plc), Introduction to Abcam
- 4:50 PM Poster session A and reception

Synaptic Inhibition in Health and Disease conference

October 15-16, 2009 - Chicago, IL

Register online at: www.abcam.com/SIHD

Conference program continued

Friday, October 16th

- 9:05 AM Robert Macdonald (Vanderbilt University Medical Center), Alterations in GABAA receptor biogenesis and function in idiopathic generalized epilepsies
- 9:35 AM Jaideep Kapur (University of Virginia), GABAA receptor trafficking in Epilepsy
- 10:05 AM Poster Session B and coffee break
- 12:00 PM Beni Bettler (University of Basel), Regulation of GABAB receptor signaling
- 12:30 PM Miho Terunuma (Tufts University), The role of astrocytic GABAB receptors and their functional modulation by purinergic receptors
- 12:45 PM Andres Couve (Universidad de Chile), Molecular mechanisms controlling the availability of metabotropic GABAB receptors in central neurons
- 1:15 PM Jian Qiu (Oregon Health and Science University), Heterologous Desensitization of the GABAB Receptor Response in POMC Neurons by 17beta-estradiol and Serotonin
- 1:30 PM Closing remarks