

From Synapses to circuits and behaviour
Satellite of 2015 ISN/ANS annual meeting
Pullman Palm Cove Sea Temple Resort
21-22 August, 2015

Thursday 20 August 2015

Arrival and Check in
Informal drinks at pool bar
19:00

Friday 21 August 2015

Opening Remarks and Welcome: Roger Nicoll

Session 1 Receptor/synapse complexes

Chair: Robert Malenka

8:30 - 10:30

David Bredt

"Synaptic plasticity regulated by AMPA receptor associated proteins".

Juan Lerma

"A role for kainate receptors in mood disorders"

Villu Maricq

"Molecular Machinery Underlying Motor-Mediated Transport of Synaptic AMPARs"

Katherine Roche

"Regulation of Protein Trafficking at Excitatory Synapses by Phosphorylation"

10:30-11:00

Morning Tea

Session 2. Synaptic plasticity

Chair: Pankaj Sah

11:00 - 13:00

Gina Turrigiano

"Gating of firing rate homeostasis by sleep and wake states"

Robert Malenka

"Molecular mechanisms underlying AMPA receptor delivery during LTP"

Cliff Abraham

"Astrocyte-mediated network wide metaplasticity"

Roger Nicoll

"PSD-95 family MAGUKs: Key organizers of the postsynaptic density".

13:00-14:00

Lunch

Afternoon free time

17:00-19:30

Poster Session (+ beer / wine / nibbles)

Saturday 22 August 2015

Session 1 Neuronal networks

Chair: Stephen Williams

8:30 - 10:30

Jeffrey Isaacson

"Dynamic sensory representations in auditory cortex".

Bernardo Sabatini

"GABAergic identity of cholinergic neurons."

Pankaj Sah

"Prefrontal, hippocampus, amygdala networks in fear learning"

Paul Martin

"Parallel streams and parallel circuits in the primate visual system"

10:30-11:00

Morning Tea

Session 2. (Short talks – selected from posters)

11:00 - 13:00

13:00-14:00

Lunch

Session 3. Disorders of Neural Function

Chair: David Bredt

14:00-16:00

Richard Huganir

"Regulation of AMPA Receptors and Synaptic Plasticity in the Brain"

Jürgen Götz

"Tau and synaptic dysfunction in neurodegenerative disease"

Julie Kauer

"Glycine receptor LTP at synapses in the dorsal horn"

Thomas Kuner

"Structural plasticity of cingulate cortex neurons and their thalamic inputs in chronic pain"

16:00-16:30

Afternoon Tea

Session 4: Synaptic and network formation, modulation and function

Chair: Cliff Abraham

16:00 – 18:00

Morgan Sheng

"New perspectives on NMDA receptor function"

Geoff Goodhill

"Neural coding and topographic maps"

Stephen Williams

"Cholinergic control of active dendritic integration"

Closing Remarks : Pankaj Sah