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PROGRAM MARCH 30-31 2015


SUNPOSIUM

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Palm Beach Gardens, Florida

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MAX PLANCK
FLORIDA INSTITUTE FOR
NEUROSCIENCE

ONE MAX PLANCK WAY, JUPITER, FL 33458 – www.maxplanckflorida.org

MONDAY – MARCH 30, 2015

8:00am **Registration / Continental Breakfast**

8:30 am **Opening Remarks: David Fitzpatrick**

SESSION 1 – Chair: Sam Young

8:45 am **Xiaowei Zhuang**

Super-resolution imaging neuronal and circuit structures

9:15 am **Erik Jorgensen**

Ultrafast endocytosis

9:45 am **Richard Tsien**

Synaptic tagging and nuclear resource mobilization

10:15 am **B R E A K**

10:45 am **Erin Schuman**

Local processing in neurons

11:15 am **Richard Huganir**

Regulation of neurotransmitter receptor function and synaptic plasticity in the brain

11:45 pm **B R E A K**

12:00 pm **Plenary Introduction: Ryohei Yasuda**

Eric Betzig

Imaging life at high spatiotemporal resolution

1:00 pm **L U N C H**

SESSION 2 – Chair: McLean Bolton

2:00 pm **Tobias Bonhoeffer**

How experience changes the circuitry of the brain

2:30 pm **Gina Turrigiano**

Sleep and firing rate homeostasis

3:00 pm **Richard Mooney**

Motor - auditory interactions for listening and learning

3:30 pm **B R E A K**

4:00 pm **Rainer Friedrich**

Neuronal circuits and computations in olfaction

4:30 pm **Florian Engert**

A sensory motor circuit for binocular motion integration in larval zebrafish

5:00 pm **B R E A K**

5:15 pm **Plenary Introduction: David Fitzpatrick**

Catherine Dulac

Molecular and cellular architecture of the mouse social brain

6:15 pm **Remarks: David Fitzpatrick**

7:30 pm **Poster Session / Reception**

TUESDAY – MARCH 31, 2015

8:00 am **Registration / Continental Breakfast**

8:30 am **Opening Remarks: Ryohei Yasuda**

SESSION 3 – Chair Jason Christie

8:45 am **Loren Looger**

Tools for the visualization of nervous system structure and function

9:15 am **Na Ji**

From star to neuron – adaptive optical microscopy for deep brain imaging

9:45 am **Winfried Denk**

TBA Lorem Ipsum volores dies etatem

10:15 am **B R E A K**

10:45 am **Yishi Jin**

Mechanisms of synapse development and function in *C. elegans*

11:15 am **Songhai Shi**

Lineage-dependent structural and functional assembly of the mammalian cortex

11:45pm **B R E A K**

12:00 pm **Plenary Introduction: David Fitzpatrick**

Botond Roska

The first steps in vision

1:00 pm **L U N C H**

SESSION 4 – Chair James Schummers

2:00 pm **Thomas Mrsic-Flogel**

Circuits and sensory processing in mouse visual cortex

2:30 pm **Massimo Scanziani**

Cortical circuits of vision

3:00 pm **Michael Häusser**

Dendritic computation

3:30 pm **B R E A K**

4:00 pm **Gilles Laurent**

Exploration of dynamics and representation in a three-layered visual cortex

4:30 pm **Anthony Movshon**

Cortical and perceptual processing of visual form

5:00 pm **B R E A K**

5:15 pm **Plenary Introduction: Ryohei Yasuda**

Karl Deisseroth

High-resolution optical investigation of structure and function in the intact brain

6:15 pm **Remarks: Ryohei Yasuda**