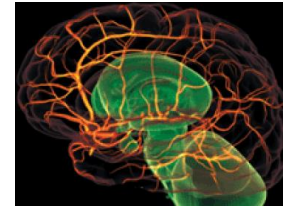


# Stanford University School of Medicine

## Neuroscience Forum

### AGENDA



**Date of Event:** May 29, 2015 (7am – 2pm)

**Participants:** Neurology, Neurosurgery, Neuropathology, Psychiatry, Stanford Neurosciences Institute, Basic Neurosciences, Medical Students, Residents & Fellows

**Location:** Li Ka Shing Center for Learning and Knowledge, Berg Hall, 2<sup>nd</sup> Floor

**Breakfast Reception (7:00am)**

**Opening Remarks & Welcome of Honored Guests (7:15am)  
Speakers (7:30am – 9:00am)**

**Mariel Velez, MD., PhD**

A biosensor for tracking seizures: linking a wrist accelerometer to an online seizure database

**Fatemeh S. Mojabi, MD**

Increased GABA-ergic innervation in the dentate gyrus of the Ts65Dn mouse model of Down syndrome

**Christopher J. Gorini, PhD**

Optogenetic Inhibition of Peripheral Motor Neurons

**Kai Zhang, MD**

Dopaminergic changes in Functional Connectivity during a Working Memory Task in Parkinson's Disease

**Allen Ho, MD**

QKI loss maintains self-renewal of glioma stem cells in suboptimal environment

**Ada Eban-Rothschild, MD**

Optogenetic interrogation reveals a causal role for VTA dopaminergic neurons in the regulation of sleep and wakefulness

**Brad Zuchero, PhD**

CNS myelin wrapping is driven by actin disassembly

**Coffee Break (9:00am – 9:15am)**

**Speakers (9:15am – 10:45am)**

**Terry C. Burns M.D., Ph.D.**

Mouse Models Rarely Mimic the Transcriptome of Human Neurodegenerative Diseases: A Systematic Bioinformatics-based Critique of Preclinical Models

**Amit Joshi, PhD**

Consequence of Drp1/ Fis1 interaction in Alzheimer's disease: Dangerous Liaisons

**Gregory F. Corder, PhD**

Evolving Amygdala Neuronal Networks Shape Unpleasantness in Neuropathic Pain States

**Humsa Venkatesh, PhD**

Neuronal Activity Promotes Glioma Growth through Neuroligin-3 Secretion

**Keynote Speaker/Honored Guest**

**Philip Beachy, PhD**

**Department of Biochemistry and the Stem Cell, Secondary Appointment  
Developmental Biology**

Hedgehog signaling in adult homeostasis, including sensory organs and the brain

**(10am – 10:45am)**

**Break (10:45am – 11:00)**

**Speakers (11:00am – 12:15pm)**

**Kai J. Miller, MD., PhD**

A novel hippocampal stereotactic coordinate system

**Victoria Lu, BS**

Leveraging microRNA controls to develop novel treatments for spinal cord injury

**Edward J. Bertaccini, MD**

Molecular Modeling Leads to a New Class of Intravenous Anesthetics

**Suzana Assad Kahn, PhD**

Notch1 promotes MYC medulloblastoma metastasis, initiation and maintenance

**Maria Catalina Camacho, BA**

Accelerated Aging of the Putamen in Major Depressive Disorder: A Volumetric Analysis of the Basal Ganglia

**Lyndia Wu, MS and Jake Hartley, BA**

Using an Instrumented Mouthguard and High Speed Eye Tracking to Study Kinematic Dose and Neurological Response in Contact Sports

**Amelia Christensen, PhD Candidate**

Optogenetic control of the spinal cord in behaving mice

**Luncheon Reception (12:15pm 1:00pm)**

**Poster Presentations (1:00pm- 2:00pm)**

*A Special Thanks to:*

- Gary Steinberg, MD, PhD  
Professor and Chair, Department of Neurosurgery
- Frank M. Longo, MD, PhD  
Professor and Chair, Department of Neurology and Neurological Sciences
- Hannes Vogel, MD  
Professor of Pathology and of Pediatrics
- Tanya Raschke  
Senior Research Scientist, Stanford Neurosciences Institute
- Cyberonics
- Medtronic
- Deputy Synthes

