

## 9<sup>th</sup> Annual Center for Circadian Biology Symposium

### *“From Cells to Clinic”*

February 13-15, 2019

Sanford Consortium • UC San Diego Campus

---

#### WEDNESDAY – February 13

Session I: *Cells & Circuits* 1:15 pm – 4:30 pm

Moderator: Susan Golden (UC San Diego)

- 1:15-1:20 • **Susan Golden** (UC San Diego) – Welcome Intro
  - 1:20-1:30 • **Sandra Brown** (UC San Diego) – Opening Remarks
  - 1:30-2:10 • **Susan Cohen** (California State University, Los Angeles) – Roles for regulated proteolysis in the cyanobacterial circadian clock
  - 2:10-2:50 • **Susan Harbison** (National Heart, Lung, and Blood Institute) – Circadian rhythms and sleep in *Drosophila*: Insights from a systems genetics approach
  - 2:50-3:10 • **Break**
  - 3:10-3:50 • **Himanshu Mishra** (UC San Diego) – **Fall Workshop CCB Trainee, 2018 First Place Winner** – Modeling neuronal circadian rhythms in bipolar disorder using human induced pluripotent stem cells
  - 3:50-4:30 • **Joseph Takahashi** (UT Southwestern Medical Center) – Importance of circadian timing in aging and longevity
- 

#### THURSDAY – February 14

- 8:30-9:00 • **Breakfast Refreshments – Sanford Consortium Courtyard**

Session II: *Pacemakers & Networks* 9:00 am – 12 noon

Moderator: David Welsh (UC San Diego)

- 9:00-9:40 • **Gloria Coruzzi** (New York University) – The 4th dimension of transcriptional networks: TIME
- 9:40-10:20 • **Jun Yan** (Chinese Academy of Sciences, Shanghai) – Single-cell reconstruction of the mammalian circadian pacemaker
- 10:20-10:40 • **Break**
- 10:40-11:20 • **Karen Gamble** (University of Alabama School of Medicine) – Circadian regulation of neurophysiology: Implications for neurodegenerative disease
- 11:20-12:00 • **Julie Pendergast** (University of Kentucky) – Estrogen regulates daily metabolic rhythms underlying diet-induced obesity
- 12:00-1:00 • **Buffet Lunch – Sanford Consortium Courtyard**

Special Session: *Emerging Technologies* 1:00 pm – 2:00 pm

Moderator: Satchin Panda (Salk Institute for Biological Studies)

- 1:00-2:00 • **Joanne Chory** (Salk Institute for Biological Studies) – Fifty shades of shade: How plants respond to dynamic changes in their light environment

Poster Session: 2:00 pm – 4:00 pm – *Lobby of the Sanford Consortium*



**FRIDAY – February 15**

**8:30-9:00** • ***Breakfast Refreshments – Sanford Consortium Courtyard***

**Session III: *Inputs & Outputs* – 9:00 am – 12 noon**

**Moderator: Michael McCarthy** (UC San Diego)

- 9:00-9:40** • **Brian Crane** (Cornell University) – Mechanisms of circadian clock entrainment by flavoprotein photosensors
- 9:40-10:20** • **Travis Longcore** (University of Southern California) – How bright (and what color) the night? Measuring and analyzing the artificial light exposome from habitat to home
- 10:20-10:40** • ***Break***
- 10:40-11:20** • **David Blask** (Tulane University School of Medicine) – Circadian time-of-day-dependent ocular light exposure: Bad and good consequences for cancer metabolism, progression and therapeutic responsiveness
- 11:20-12:00** • **Samer Hattar** (National Institute of Mental Health) – On light and mood
- 12:00-1:30** • ***Buffet Lunch – Sanford Consortium Courtyard***

**Session IV: *From Lab to Clinic* – 1:30 pm – 4:30 pm**

**Moderator: Bill Joiner** (UC San Diego)

- 1:30-2:10** • **Richa Saxena** (Harvard Medical School) – Impact of circadian rhythms and sleep on cardio-metabolic health: insights from genetics
- 2:10-2:50** • **Céline Vetter** (University of Colorado Boulder) – Sleep, rhythms, and cardio-metabolic health: From cohort data to the field and back
- 2:50-3:10** • ***Break***
- 3:10-3:50** • **Ruth Benca** (UC Irvine) – Sleep, rhythms and suicide
- 3:50-4:30** • **Thomas Burris** (Washington University School of Medicine & St. Louis College of Pharmacy) – Targeting the molecular clock as a treatment for Alzheimer’s Disease

**Banquet Dinner & Concluding Remarks: 5:00 pm – 8:00 pm**

**Moderator: Stu Brody** (UC San Diego)

- 5:00-6:00** • **Reception**
- 6:00-7:00** • **Michael Young** (The Rockefeller University) – Genetic studies of delayed sleep phase disorder
- 6:00-8:00** • **Banquet Dinner** (The Great Hall, UC San Diego)