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)