

2019 CSCN & CHRONOBIOLOGY COLLABORATIVE RETREAT

SCHEDULE OF EVENTS

- 7:30AM - 8:45AM** **Poster Mounting & Catered Breakfast**
- 8:45AM - 9:00AM** **Opening Remarks from the Center Director: Dr. Allan I. Pack**
- 9:00AM - 9:05AM** **Introduction by Chair of Session I: Dr. Diego Mazzotti**
- 9:05AM - 9:50AM** **Session I: Sleep Transcending Species: Molecular and Genetic Contributions in Worms, Mice and Humans**
- Kristen Davis:** “Beauty sleep: Skin collagens regulate sleep in response to cell stress in *C. elegans*”
- Xiaofeng Guo:** “RNA-Seq analysis of galaninergic neurons from ventrolateral preoptic nucleus identifies expression changes between sleep and wake”
- Olivia Veatch:** “Comprehensive characterization of genetic and phenotypic heterogeneity of obstructive sleep apnea across multiple clinics in the United States”
- 9:50AM - 10:20AM** **Break and Poster Viewing**
- 10:20AM - 10:25AM** **Introduction by Chair of Session II: Dr. Ariel A. Williamson**
- 10:25AM - 11:10AM** **Session II: Sleep in Diverse Contexts: Consequences and Treatment Implications**
- Makayla Cordoza:** “Sleep quantity and quality, pvt-b performance, and subjective sleepiness, fatigue, and stress in commercial motor vehicle (CMV) drivers: On-duty days vs. restart off-duty days”
- Ivan Vargas:** “The temporal dynamics of the association between sleep continuity disturbance and depressive symptoms”
- Christopher Cielo:** “Continuous positive pressure for obstructive sleep apnea in infants”
- 11:10AM – 11:15AM** **Introduction by Chair of Session III: Dr. Franz Weber**

11:15AM - 12:00PM **Session III: Understanding How the Sleeping Brain Functions: Insights on the Sleep Circuitry in Mammals**

Justin Baik: “Interrogation of sleep circuits using closed-loop optogenetic stimulation system”

Amanda Schott: “A medullary circuit controlling REM Sleep”

Jessica Owen: “Chronic short sleep initiates gender-dependent neurodegeneration in the hippocampus”

12:00PM - 1:30PM **Catered Lunch & Poster Session**

1:30PM - 1:35PM **Introduction by Chairs of Session IV: Drs. Annika Barber and Carsten Skarke**

1:35PM - 2:35PM **Session IV: Clocks are Everywhere! The Diversity and Heterogeneity of Circadian Regulation**

Yasmine Issah: “Circadian control of Influenza A infection in adults exposed to neonatal hyperoxia”

Kelly Allison: “The impact of nighttime eating: A randomized controlled trial of daytime vs. delayed weight and metabolism in adults of normal weight”

Yool Lee: “High-throughput screening to identify anticancer drugs targeting circadian-regulated pathways”

Shirley Zhang: “Circadian clock regulation of the blood-brain barrier is evolutionarily conserved”

2:35PM - 3:05PM **Break (Award Selection Panel Meeting)**

3:05PM - 3:20PM Awards for Selected Talks and Poster Session; Faculty Teaching Awards

3:20PM - 3:30PM **Introduction of Keynote – Dr. Amita Sehgal**

Dr. Luis de Lecea: “To sleep or not to sleep; neuronal mechanisms underlying vigilance state transitions”

4:30PM - 6:00PM **Reception (Beer, Wine & Light Fare)**