



CCB Fall Workshop on Biological Timing

15th Floor, Seventh College, West Tower 1, UC San Diego

Thursday, November 9, 2023

- 8:30 am** **Breakfast**
- 9:00 am** **Opening Remarks: Michael McCarthy** (Associate Professor, Psychiatry, UC San Diego)
- 9:00 am** **Moderator: Joshua Chevez** (PhD Candidate, Jose Pruneda-Paz lab, UC San Diego)
- 9:05 am** **Emmet Francis** (Postdoc, Padmini Rangamani lab, UC San Diego) – Computational modeling of mechanotransduction-mediated entrainment of circadian oscillations
- 9:20 am** **Mingxu Fang** (Postdoc, Susan Golden lab, UC San Diego) – Circadian gene expression *in vitro*
- 9:35 am** **Haylie Romero** (PhD student, Paula Desplats lab, UC San Diego) – Spatial transcriptomics identifies disrupted circadian gene expression in a mouse model of Alzheimer’s disease
- 9:50 am** **Terry Lin** (Postdoc, Satchin Panda lab, Salk Institute) – Influence of the estrous cycle on daily biological rhythms
- 10:05 am** **Rebecca Mello** (PhD Student, Katja Lamia lab, Scripps Research) – BMAL1-HIF2a heterodimers contribute to clear cell renal cell carcinoma
- 10:20 am** **Break (10:20-10:40)**
- 10:40 am** **Moderator: Stephany Flores-Ramos** (PhD Candidate, Amir Zarrinpar and Rob Knight lab, UC San Diego)
- 10:45 am** **Alex Neitz** (PhD Student, Horacio de la Iglesia lab, University of Washington) – SCN-VIP neurons undergo a daily cycle of retraction and growth
- 11:00 am** **Laura van Rosmalen** (Postdoc, Satchin Panda lab, Salk Institute) – Energy balance drives diurnal and nocturnal brain transcriptome rhythms
- 11:15 am** **Jennifer Burns** (Postdoc, Colleen McClung lab, University of Pittsburgh) – Cell-type specific investigation of rhythms in the mouse prefrontal cortex
- 11:30 am** **Amulya Lingaraju** (Postdoc Amir Zarrinpar lab, UC San Diego) – Microbial bile acid biotransformations promote obstructive sleep apnea-associated atherosclerosis
- 11:45 am** **Cezar Nave** (Postdoc Jeff Donlea lab, UCLA) – Sleeping to survive: Elevated sleep need in a stress-resilient *Drosophila species*
- 12:00 pm** **Lunch (12:00-12:55)**
- 12:55 pm** **Moderator: Amir Zarrinpar** (CCB Associate Director, Associate Professor, Medicine, UC San Diego)
- 1:00 pm** **Emily Manoogian** (Staff Scientist, Satchin Panda lab, Salk Institute) – Effects of time-restricted eating on cardiometabolic risk factors in shift workers
- 2:00 pm** **Networking and Happy Hour! (2:00-4:00)**