



15th Annual Center for Circadian Biology Symposium: Biological Time Keeping, Aging, and Disease

March 20-21, 2025 – UC San Diego



2025 Venue Scripps Institution of Oceanography Auditorium

An exciting event and opportunity

Please consider sponsorship of the UC San Diego Center for Circadian Biology (CCB) 15th Annual Circadian Biology Symposium. Sponsorships enable company representatives to interact closely with diverse stakeholders, educate attendees on technologies that can accelerate their research, gain insights into the latest trends in chronobiology to inform R&D, and make connections with the new generation of scientists in circadian and sleep research.

The theme of the 2025 meeting will be “*Biological Time Keeping, Aging, and Disease.*” The circadian system plays a fundamental role in determining healthy or pathological aging, and strategies to modulate the clock to improve health and prolong longevity are emerging as tools in the clinic. This conference will bring together researchers from circadian biology, aging, and neurodegeneration to inspire collaborations that can move the field forward.

We are seeking funding to cover the operational costs of the meeting, to provide travel support for speakers, and to support attendance by diverse trainees. For 14 years the CCB annual symposium has been a unique conference, bringing together notable experts in circadian biology and sleep, covering an array of model organisms and human studies, and supporting the training of new generations of scientists through poster sessions, mentorship, and networking. With a typical attendance of 200 attendees, the CCB Symposium allows extensive interaction among all attendees.

Sponsorship also provides an opportunity for your company to invest in the future of the scientific workforce. With your support, we can continue to offer training and career development opportunities for trainees and students, with a special emphasis on members of underrepresented groups. Sponsorships will help to support registration for local trainees and to provide travel, lodging, and registration scholarships for underrepresented junior faculty or trainees selected among nation-wide applicants.

Please join us at the CCB Symposium 2025!

Program Agenda (Day-1)

DAY 1. Healthy Aging and Longevity	
8:30 – 9:00 Breakfast	
Morning session: Model organisms	
9:00- 9:15	Welcome remarks
9:05-9:15	Opening message John Carethers, MD, PhD , Vice Chancellor of Health Sciences, UC San Diego
9:15- 9:45	Victoria Acosta-Rodriguez, PhD , National Institute on Aging - <i>Leveraging circadian physiology to promote healthier lifespan</i>
9:45-10:15	Amandine Chaix, PhD , University of Utah - <i>Time to live healthier and longer: The tale of mice on Time-Restricted Feeding</i>
Coffee break 10:15-10:30	
10:30-11:00	Louis Ince, PhD , The University of Texas at Austin - <i>Sex differences in neuroimmune aging and circadian strategies to promote healthspan</i>
11:00-11:30	Amita Sehgal, PhD , University of Pennsylvania, Perelman School of Medicine - <i>Trimming brain fat with sleep</i>
11:30-12:00	Bruno Conti, PhD , San Diego Biomedical Research Institute - <i>Temperature and aging</i>
Lunch break 12:00-1:00	
Afternoon session: Human studies	
1:00-1:30	Terry Sejnowski, PhD , Salk Institute for Biological Studies - <i>Time scales in brains</i>
1:30-2:00	Ben Smarr, PhD , UC San Diego - <i>Shining light into muddy water: data science reveals new challenges in studying real world human circadia</i>
2:00-2:30	Diego Golombek, PhD , University de San Andres, Argentina - <i>(De)synchronization in the lab and in the real world: letting the data talk</i>
Coffee break 2:30-2:45	
2:45-3:15	Anthony Molina, PhD , UC San Diego, Medicine and Nathan Shock Center Salk - <i>Mitochondrial bioenergetics and healthy aging</i>
3:15-3:45	Madeline Scott, PhD , University of Pittsburgh - <i>Cell type specific transcript expression rhythms in the aging dorsolateral prefrontal cortex</i>
3:45-4:15	Joe Takahashi, PhD , University of Texas Southwestern Medical Center - <i>Circadian clock regulation of longevity</i>
4:30-5:30	Poster session and Happy hour

(Day-2 next page)

Program Agenda (Day-2)

DAY 2. Circadian Disruption and Pathological Aging and Disease: Circadian and sleep alterations in AD/ADRDs	
8:30 – 9:00 Breakfast	
Morning session: Model organisms	
9:00-9:30	Roman Kondratov, PhD , Cleveland State University - <i>Circadian gating of hepatic fatty acid metabolism</i>
9:30-10:00	Vikki Marie Weake, PhD , Purdue University - <i>Age-dependent histone methylation loss reshapes the rhythmic retina transcriptome</i>
10:00-10:30	Erin Gibson, PhD , Stanford Medicine - <i>Temporal dynamics of oligodendroglial lineage cells in health and disease</i>
Coffee break 10:30-10:45	
10:45-11:15	William Joiner, PhD , UC San Diego, School of Medicine - <i>A conserved pathway links sleep regulation to memory formation in an invertebrate model of Alzheimer's disease</i>
11:15-11:45	William Todd, PhD , University of Wyoming - <i>A potential circuit for sundowning-related circadian disturbances in Alzheimer's disease model mice</i>
11:45-12:15	Paula Desplats PhD , UC San Diego, School of Medicine - <i>Aging and the circadian clock: Unlocking the pathway to Neurodegeneration</i>
Lunch break 12:15-1:15	
12:15-1:15	Lunch with a Professor (trainees)
Afternoon session: Human studies	
1:15-1:30	Renny Ng , PhD Student, UC San Diego (abstract awardee from Fall Workshop) - <i>Effects of day/light cycles on olfactory acuity and behavior</i>
1:30-1:45	Trainee Talk (abstract awardee TBD)
1:45-2:15	Gina Poe, PhD , UCLA, School of Medicine - <i>Regional sleep in humans and hormone related sleep changes: implications for healthy aging</i>
2:15-2:45	Sharon Naismith, PhD , The University of Sydney - <i>Sleep wake functions in MCI and Alzheimer's disease</i>
Coffee break 2:45-3:00	
3:00-3:30	Ellen E. Lee, MD, PhD , UC San Diego, School of Medicine - <i>Impact of rest-activity disturbances on cognitive, mental, and physical health among healthy and patient populations</i>
3:30-4:00	Bryce Mander, PhD , UC Irvine, School of Medicine - <i>A role for hypoxemia during REM sleep in Alzheimer's disease risk and memory impairment</i>
4:00-4:10	Closing remarks. Announcements for 2026 Symposium
4:15 Happy Hour	
6:00 Banquet & Award Ceremony for best posters	
Special Lecture: 6:30 Vera Gorbunova, PhD , University of Rochester - <i>Mechanisms of longevity: Lessons from long-lived mammals</i>	



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*This portion of the total gift is non-tax deductible.

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