
Impacts of Sleep and Circadian Biology on Alzheimer's Disease and Aging

October 25 – 28, 2021

All times are listed in EDT. Schedule is subject to change.

Sunday, October 24th

- 4:00 – 6:00 pm **Check-In and Registration** (Highseas Conference Center)
- 6:00 – 7:00 pm **Dinner**
- 7:00 – 8:30 pm **Grant Writing Workshop**
Carmen Robinett, Ph.D., *The Jackson Laboratory*

Monday, October 25th

- 7:00 – 8:00 am **Breakfast**
- 8:00 – 8:45 am **Keynote Lecture: Molecular Mechanism of the Circadian Clock**
Joseph Takahashi, Ph.D., *UT Southwestern*
- 8:45 – 9:30 am **A Mechanism for Sleep Fragmentation During Aging**
Luis de Lecea, Ph.D., *Stanford University*
- 9:30 – 9:45 am **Break**
- 9:45 – 10:30 am **Advanced Mouse Populations**
Gary Churchill, Ph.D., *The Jackson Laboratory*
- 10:30 – 11:15am **GWAS for Chronotype and Sleep Traits**
Richa Saxena, Ph.D., *Massachusetts General Hospital*
- 11:15 am – 12:00 pm **Genetics of Human Circadian Variation**
Louis Ptacek, M.D., *University of California, San Francisco*
- 12:00 – 1:00 pm **Lunch**
- 1:00 – 4:00 pm **Workshop: Basic and Advanced Methods of Analysis of Sleep and Circadian Data**
Ketema Paul, Ph.D., *University of California, Los Angeles*
Kenneth P. Wright Jr., Ph.D., *University of Colorado Boulder*
- 4:00 – 6:00 pm **Break**



- 6:00 – 7:00 pm **Dinner**
- 7:00 – 8:30 pm **Evening Discussion**

Tuesday, October 26th

- 7:00 – 8:00 am **Breakfast**
- 8:00 – 8:45 am **Influence of Circadian Clocks on Neurodegeneration**
Erik Musiek, M.D., Ph.D., *Washington University School of Medicine in St. Louis*
- 8:45 – 9:30 am **Genetics of Alzheimer's Disease: Toward Aa Mechanistic Understanding of Disease**
Alison Goate, D.Phil., *Icahn School of Medicine at Mount Sinai*
- 9:30 – 9:45 am **Break**
- 9:45 – 10:30 am **Aligning New Mouse Models of Alzheimer's Disease with Human Studies**
Gregory Carter, Ph.D., *The Jackson Laboratory*
- 10:30 – 11:15am **The MODEL-AD Consortium: Creating Improved Preclinical Models for LOAD**
Gareth Howell, Ph.D., *The Jackson Laboratory*
- 11:15 am – 12:00 pm **Modeling Sleep Disruption in Genetically Diverse AD Mouse Models**
Catherine Cook Kaczorowski, Ph.D., *The Jackson Laboratory*
- 12:00 – 1:00 pm **Lunch**
- 1:00 – 2:00 pm **Workshop: Analysis of AD Relevant Behaviors in Mice**
Zoë Bichler, Ph.D., *The Jackson Laboratory*
- 2:00 – 4:00 pm **Workshop: Online Resources for Integration of Human and Mouse Data**
Richa Saxena, Ph.D., *Massachusetts General Hospital*
- 4:00 – 6:00 pm **Break**
- 6:00 – 7:00 pm **Lobster Dinner**
- 7:00 – 8:30 pm **Evening Discussion**

Wednesday, October 27th

- 7:00 – 8:00 am **Breakfast**
- 8:00 – 8:45 am **Keynote Lecture: Systems Genetics of Sleep**
Paul Franken, Ph.D., *Universite de Lausanne*



8:45 – 9:30 am	Tools to Decipher Biology at Single Cell Resolution Paul Robson, Ph.D., <i>The Jackson Laboratory</i>
9:30 – 9:45 am	Break
9:45 – 10:30 am	Single-Cell Approaches to Identify Reproducible Cell Type Changes in AD Vilas Menon, Ph.D., <i>Columbia University Irving Medical Center</i>
10:30 – 11:15am	Insights from Clock Genomics John Hogenesch, Ph.D., <i>Cincinnati Children's Hospital</i>
11:15 am – 12:00 pm	Mining Multi-omics Data for Mechanistic Clues about Clocks and Sleep Steve Brown, Ph.D., <i>University of Zurich</i>
12:00 – 1:00 pm	Lunch
1:00 – 4:00 pm	Workshop: Systems Data Analysis + Genomics Analysis Methods (Single Cell and Bulk RNAseq Data Analysis) Lucia Peixoto, Ph.D., <i>Washington State University</i>
4:00 – 6:00 pm	Break
6:00 – 7:00 pm	Dinner
7:00 – 8:30 pm	Evening Discussion

Thursday, October 28th

7:00 – 8:00 am	Breakfast
8:00 – 8:45 am	Lecture Anne Justice, MA, Ph.D., <i>Geisinger</i>
8:45 – 10:30 am	Poster Session
10:30 am	Course End