Impacts of Sleep and Circadian Biology on Alzheimer’s Disease and Aging
Virtual Schedule
October 25 – 28, 2021

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

Monday, October 25th

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 – 11:15 am  
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

Tuesday, October 26th

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 A 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 – 11:15 am  
The MODEL-AD Consortium: Creating Improved Predclinical 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*

**Wednesday, October 27th**

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., *The Jackson Laboratory*

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., *Columbia University Irving Medical Center*

10:30 – 11:15 am  
**Insights from Clock Genomics**  
John Hogenesch, Ph.D., *Cincinnati Children’s Hospital*

11:15 am – 12:00 pm  
**Mining Multi-omics Data for Mechanistic Clues about Clocks and Sleep**  
Steve Brown, Ph.D., *University of Zurich*

**Thursday, October 28th**

8:00 – 8:45 am  
**Lecture**  
Ann Justice, MA, Ph.D., *Geisinger*