



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

October 2-5, 2023 | Hybrid | All times are listed in EDT

Sunday, October 1

3:00 – 4:00 PM	<i>Check-In and Registration – Highseas Conference Center</i>
4:00 – 5:00 PM	<i>Welcome Reception</i>
5:00 – 6:00 PM	<i>Dinner</i>
6:00 – 8:30 PM	Poster Session

Monday, October 2

7:00 – 7:45 AM	<i>Breakfast</i>
7:45 – 8:00 AM	<i>Announcements</i>
8:00 – 9:00 AM	Keynote Lecture How About Interactions Between Circadian Rhythm and Sleep: Implications for Research on Aging Phyllis Zee, Ph.D., <i>Northwestern University</i>
9:00 – 10:00 AM	Informatically Assessing Cellular Rhythms in the Human Brain – and their Disruption in AD Ron Anafi, M.D., Ph.D., <i>Perelman School of Medicine University of Pennsylvania</i>
10:00 – 10:15 AM	<i>Break</i>
10:15 – 11:15 AM	Circadian Clocks and Alzheimer's Disease Erik Musiek, M.D., Ph.D., <i>Washington University School of Medicine</i>
11:15 AM – 12:15 PM	Mathematical Modeling of Circadian Rhythms Elizabeth Klerman, M.D., Ph.D., <i>Harvard University</i>
12:15 – 1:00 PM	<i>Lunch - Highseas 1st floor</i>
1:00 – 3:00 PM	<i>Instructor-led activities with assigned groups</i>
3:00 – 6:00 PM	Workshop: Introduction to RNA-seq Analysis Vilas Menon, Ph.D., <i>Columbia University Irving Medical Center</i>
6:00 – 7:00 PM	<i>Dinner</i>
7:00 – 8:30 PM	Evening Discussion: Publications Panel Marishka Brown, Ph.D., <i>National Institutes of Health</i> Mack Mackiewicz, Ph.D., <i>National Institute on Aging</i> *Presenting Remotely

Tuesday, October 3

- 7:00 – 7:45 AM *Breakfast*
- 7:45 – 8:00 AM *Announcements*
- 8:00 – 9:00 AM **Introduction to Vascular Contributions to Cognitive Impairment and Dementia**
Gareth Howell, Ph.D., *The Jackson Laboratory*
- 9:00 – 10:00 AM **Medical Imaging Modalities for Modeling Vascular Contributions to LOAD**
Paul Territo, M.S., Ph.D., *Indiana University School of Medicine*
- 10:00 – 10:15 AM *Break*
- 10:15 – 11:15 AM **Leveraging Genetic Diversity to Study VCID**
Kristen Onos, Ph.D., *The Jackson Laboratory*
- 11:15 AM – 12:15 PM **Keynote Lecture**
Large Artery Stiffness and Cerebrovascular Dysfunction
Ashley Walker, Ph.D., *University of Oregon*
- 12:15 – 1:00 PM *Lunch with assigned groups*
- 1:00 – 1:15 PM *Group Photo*
- 1:15 – 3:00 PM *Instructor-led activities with assigned groups*
- 3:00 – 6:00 PM **WORKSHOP: Imaging Analyses & Vascular Physiology and Pathology Analyses**
Paul Territo, M.S., Ph.D., *Indiana University School of Medicine*
Ashley Walker, Ph.D., *University of Oregon*
- 6:00 – 7:00 PM *Dinner*
- 7:00 – 8:30 PM **Evening Discussion: Diversity in Sleep, Circadian and AD Fields**
Gianluca Tosini, Ph.D., *Morehouse School of Medicine*

Wednesday, October 4

- 7:00 – 7:45 AM *Breakfast*
- 7:45 – 8:00 AM *Announcements*
- 8:00 – 9:00 AM **Keynote Lecture**
Bi-Directional Relationship Between Sleep and Alzheimer's Disease Pathology
David Holtzman, M.D., *Washington University School of Medicine in St. Louis*
*Presenting Remotely
- 9:00 – 10:00 AM **How the Sun and the Moon Time Human Sleep**
Horacio de la Iglesia, M.D., *University of Washington*
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- 10:00 – 10:15 AM *Break*
- 10:15 – 11:15 AM **Metabolism, Sleep, and Alzheimer's Disease**
Shannon Macauley, Ph.D., *University of Kentucky College of Medicine*
- 11:15 AM – 12:15 PM **Sleep and Circadian Biomarkers**
Emmanuel Mignot, Ph.D., *Stanford University*
*Presenting Remotely
- 12:15 – 1:00 PM *Lunch with assigned groups*
- 1:00 – 3:00 PM *Instructor-led activities with assigned groups*
- 3:00 – 6:00 PM **WORKSHOP: Sleep and Circadian Data Analysis**
Kenneth Wright, Ph.D., *University of Colorado Boulder*
Mark Opp, Ph.D., *University of Colorado Boulder*
- 6:00 – 7:00 PM *Lobster Dinner*
- 7:00 – 8:30 PM **Evening Discussion: Grant Writing**
Gareth Howell, Ph.D., *The Jackson Laboratory*

Thursday, October 5

- 7:00 – 7:45 AM *Breakfast*
- 7:45 – 8:00 AM *Announcements*
- 8:00 – 9:00 AM **Keynote Lecture**
Advanced Mouse Populations
Gary Churchill, Ph.D., *The Jackson Laboratory*
- 9:00 – 10:00 AM **Aligning Experimental Models of Alzheimer's Disease with Human Studies**
Gregory Carter, Ph.D., *The Jackson Laboratory*
- 10:00 – 10:15 AM *Break*
- 10:15 – 11:15 AM **Alzheimer's Disease-Related Sleep Loss and the Transition to Dementia**
Catherine Kaczorowski, Ph.D., *University of Michigan*
- 11:15 AM – 12:15 PM **Variant-to-Gene Mapping for Alzheimer's Disease**
Alessandra Chesi, Ph.D., *Perelman School of Medicine University of Pennsylvania*
- 12:15 – 1:00 PM *Lunch with assigned groups*
- 1:00 – 3:00 PM *Instructor-led activities with assigned groups*
- 3:00 – 6:00 PM **WORKSHOP: Single Cell and Spatial Transcriptomics**
Bill Flynn, Ph.D., *The Jackson Laboratory*
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6:00 – 7:00 PM *Dinner*

7:00 – 8:30 PM **Evening Discussion – Course Summary**

Friday, October 6

7:00 – 9:00 AM *Grab-and-go breakfast*

9:00 AM *Highseas Check-Out*