

Session 1 Poster Abstracts:
 Saturday, February 18, 2023 | 4:45 - 6:30 PM

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Poster Number	Poster Title	Authors
9	WITHDRAWN	
10	Perceived Stress and Insomnia Symptoms Mediate the Relationship Between Discrimination and Depressive Symptoms	Joanna Hobson, Shannon Gilstrap, Justin Thomas, Shameka Cody, Burel Goodin
11	Acute and long-term effects of light exposure on sleep and sleepiness in everyday life	Altug Didikoglu, Navid Mohammadian, Sheena Johnson, Martie Van Tongeren, Alex Casson, Timothy M Brown, Robert J Lucas
12	Clustering bipolar disorder risk variants by their effect on sleep and circadian traits.	Lovemore Kunoroza, Jacqueline Lane
13	Circadian timing contributes to the daily rhythm of ventilation in mice independently of metabolic rate	Aaron Jones, Deanna Arble
14	Estimating Circadian Rhythmicity across Psychosocial States	Zlatan Krizan, Caroline Strauel, Garrett Hisler
15	Examining Changes in Mouse Cortical Network Dynamics Due to Sleep Deprivation	Delaney Beckner, Christopher Ehlen, Alec Davidson
16	WITHDRAWN	
17	N2 and wakefulness drive sleep satisfaction in adults	Renske Lok, Dwijen Chawra, Flora Hon, Michelle Ha, Kate Kaplan, Jamie Zeitzer
18	Multidimensional sleep health prior to SARS-CoV-2 infection and risk of long COVID: a prospective cohort study	Siwen Wang, Jae Kang, Jorge Chavarro, Tianyi Huang, Andrea Roberts
19	WITHDRAWN	
20	Early-to-mid pregnancy sleep and circadian markers in relation to birth outcomes: an epigenetics pilot study	Erica C. Jansen, Kelvin Pengyuan Zhang, Dana C. Dolinoy, Helen J. Burgess, Louise M. O'Brien, Elizabeth Langen, Naquia Unwala, Jessa Ehlinger, Molly C. Mulcahy, Jaclyn M. Goodrich
21	Bright Light Therapy for CPAP-resistant OSA symptoms	Isabella Soreca, Alexandre Dombrovski
22	Molecular Clock Dysfunction Within Leptin-Receptor Expressing Cells Increases Leptin Sensitivity in Mice	Gabriella Marino, Lauren Nelson, Deanna Arble
23	The decrease of glutamate concentration in the human ascending arousal system is correlated with the initiation and maintenance of sleep	Takashi Yamada, Shazain Khan, Pooja Kalyan, Peter Sage, Takeo Watanabe, Yuka Sasaki
24	Effects of social isolation and space radiation on fear extinction, neuroinflammation, and sleep in rats	Austin Adkins, Alea Boden, Justin Gotthold, Emily Colby, Ryan Harris, Richard Britten, Laurie Wellman, Larry Sanford
26	The efficacy of weighted blankets on sleep and well-being among children with attention-deficit/hyperactivity disorder and sleeping difficulties	Maria Lönn, Katarina Aili, Petra Svedberg, Jens Nygren, Håkan Jarbin, Ingrid Larsson
27	WITHDRAWN	
28	Evidence for a stepped-care model integrating digital therapy for insomnia	Christopher Drake, Philip Cheng, David Kalmbach, Chaewon Sagong, Cynthia Fellman-Couture, Justin Iqal
30	Estimating cognitive scores, age, and sleep stages from full-night sleep EEG with a multi-task deep neural network.	Wolfgang Ganglberger, Noor Adra, Haoqi Sun, Samaneh Nasiri, Thijs Nassi, Rhoda Au, Hans-Peter Landolt, Reto Huber, Robert J. Thomas, M. Brandon Westover
31	The association between core body temperature and slow wave activity in cognitively normal older adults	Daphne I. Valencia, Jong K. Kim, Anna E. Mullins, Korey Kam, Ahmad Fakhoury, Bresne Castillo, Andrew W. Varga, David M. Rapoport, Indu Ayappa, Esther M. Blessing, Ankit Parekh, Ricardo M. Osorio
32	Determinants of non-completion of sleep apnea testing during pregnancy	Kathleen Antony, Alexandra Lauren Rice, Natalie Jacobson, Mihaela Bazalakova
33	Exploring the temporal dynamics of sleep architecture following consecutive nights of pre-sleep alcohol administration using generalized additive models (GAMs)	Katie McCullar, David Barker, John McGeary, Caroline Gredvig-Ardito, Jared Saletin, Mary Carskadon
34	Ontogenesis of the molecular response to sleep loss	Christine Muheim, Kaitlyn Ford, Elizabeth Medina, Kristan Singletary, Lucia Peixoto, Marcos Frank
35	Alcohol synergizes with cholinergic neuron depression to cause long-lasting sleep deficits	Maggie Chvilicek, Iris Titos, Aylin Rodan, Adrian Rothenfluh
36	WITHDRAWN	

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37	Machine learning analyses reveal circadian features predictive of risk for sleep disturbance	Krista Ingram, Rebecca Overton, Aziz Zafar, Ziadd Attia, Ahmet Ay
38	Sleep apnea-related hypoxemia, not sleep fragmentation, are associated with white matter hyperintensities in older adults	Destiny Berisha, Batoool Rizvi, Miranda Chappel-Farley, Kyrie Varieur, Ivy Chen, Negin Sattari, Abhishek Dave, Ariel Neikrug, Ruth Benca, Michael Yassa, Bryce Mander
39	A graph theoretical approach to study sleep-dependent memory consolidation in older adults	Miranda Chappel-Farley, Jenna Adams, Destiny Berisha, Abhishek Dave, Kitty Lui, Ivy Chen, Negin Sattari-Barabadi, John Janeck, Ariel Neikrug, Ruth Benca, Michael Yassa, Bryce Mander
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42	Identification of longitudinal use trajectories of sedative-hypnotic medications among fee-for-service Medicare beneficiaries: 2016-2018	Christopher Kaufmann, Bobby Jones, Deanna Fernandes, Ronald Shorr, Wei-Hsuan Lo-Ciganic
43	Parent, Home Environment, and Feeding Predictors of Circadian Rest-Activity Rhythm Entrainment among Young Infants	Megan Petrov, Corrie Whisner, Nana Jiao, Malena Olson, Tav Gross, Elizabeth Reifsnider
44	Associations between diabetes and sleep architecture: findings from the Baependi Heart Study	Daniel Chen, Tamara Taporoski, Shaina Alexandria, David Aaby, Felipe Beijamini, Malcolm von Schantz, Alexandre Pereira, Kristen Knutson
45	Prevalence of obstructive sleep apnea in commercial vehicle drivers and its correlation with road traffic accident and metabolic syndrome: A cross-sectional study.	Surya Prakash Bhatt, Randeep Guleria
46	alpha1 containing GABAA receptors of thalamocortical relay neurons give sleep spindles their waxing and waning shape.	David Uygun, Ritchie Brown, Radhika Basheer
47	Retinal responsivity is associated with circadian phase and circadian alignment during the summer, but not during the winter	Delainey Wescott, Kathryn Roecklein
48	Effect of Sleep Enhancement via Rocking on the Mouse Model of Humanized APPxPS1 Knock-in (KI) Induced Alzheimer's Disease (AD)	Anjana Subramoniam, Diane Iradukunda, Alex Wang, Marilyn Duncan, Michael Murphy, Adam Bachstetter, Sridhar Sunderam, Bruce O' Hara
49	Relations of Sleep and Gut Metabolites in Colorectal Cancer Patients and Their Sleep-Partner Caregivers: A Preliminary Investigation	Youngmee Kim, Stephen Barnes, Amanda Ting, Thomas Tsai, Alberto Ramos, Peter Hosein
50	Interactions between mutations in Shank3 and sex of sleep architecture and regulation	Elizabeth Medina, Hannah Schoch, Kristan Singletary, Kaitlyn Ford, Christine Muheim, Lucia Peixoto
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52	RAI1 gene associated with sleep/circadian phenotypes enriched in Autism Spectrum Disorder WGS set	Sandra Smieszek
53	Caffeine consumption in Drosophila increases sleep fragmentation with age and leads to misalignment of the circadian clock.	Aishwarya Segu, Nisha Kannan
54	Longitudinal changes in slow oscillation-spindle coupling in early childhood	Eunsol Noh, Sanna Lokhandwala, Tracy Riggins, Rebecca M.C. Spencer
55	Cross-species sleep-activity assessment confirms cis-regulatory function for insomnia GWAS variants	Amber Zimmerman, Justin Palermo, Alessandra Chesi, Fusun Doldur-Balli, Shilpa Sonti, Matthew Pahl, Elizabeth Brown, James Pippin, Andrew Wells, Diego Mazzotti, Philip Gehrman, Alex Keene, Struan Grant, Allan Pack
56	Effects of a Sleep Extension Intervention on Multiple Dimensions of Sleep Health	Michelle Kubicki, Kelly G. Baron, Kenneth P. Wright Jr., Christopher M. Depner
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59	NF-κB Activation in the Central Nervous System Disrupts Circadian Rhythm and Sleep/Wake Behavior	Mehari Endale, Andrew R. Morris, Yang Shen, John B. Hogenesch, Andrew Chuanyin Liu
60	A Global Transcriptional Atlas of the Effect of Sleep Loss in the Mouse Cortex	Kaitlyn Ford, Elena Zuin, Alexander Popescu, Christine Muheim, Elizabeth Medina, Hannah Schoch, Kristan Singletary, Stephanie Hicks, Davide Rizzo, Lucia Peixoto

Session 2 Poster Abstracts:
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Poster Number	Poster Title	Authors
25	Assessing Genetic Variation for Effects of Lithium on Circadian Clock Period and Mortality in Fruit Flies	Noah Fryou, Bernard Possidente
29	Estimating cognitive scores, age, and sleep stages from full-night sleep EEG with a multi-task deep neural network.	Wolfgang Ganglberger, Noor Adra, Haoqi Sun, Samaneh Nasiri, Thijs Nassi, Rhoda Au, Hans-Peter Landolt, Reto Huber, Robert J. Thomas, M. Brandon Westover
61	Characterization of the distribution and phenotype of wakefulness-promoting NPAS1+ neurons in the basal forebrain	Timothy Troppoli, Chun Yang, Fumi Katsuki, C. Savio Chan, James McKenna, Ritchie Brown
62	Impact Of Covid 19 Infection On Patients With Obstructive Sleep Apnea: A Longitudinal Study	Samarjit Das
63	Impact of Sleep Extension on the Timing and Duration of Food Intake in People with Habitual Insufficient Sleep	Audrey Stegman, Michelle Kubicki, Kelly Baron, Kenneth Wright, Christopher Depner
64	Brain dynamics during wakefulness before sleep: understanding wake-sleep physiology by complexity-based and conventional spectral measures	Yan Ma, Michael Goldstein, Janet Mullington, Peter Wayne, Gloria Yeh
65	Circadian and diet contributions to anxious and depressive like behavior in mice	Athena Rivera, Madison Kurth, Deanna Arble
66	Effects of sleep deprivation on the frequency and complexity of sleepwalking episodes.	Cloé Blanchette-Carrière, Jacques Montplaisir, Soufiane Boucetta, Alex Desautels, Antonio Zadra
67	Elucidating Influence of Underlying Pulmonary Physiology in the Association of Sleep-Related Hypoxemia and Incident Atrial Fibrillation	Catherine M. Heinzinger, Nicolas Thompson, Alex Milinovich, Nancy Foldvary-Schaefer, David Van Wagoner, Mina K. Chung, Reena Mehra
68	Sleep and Explicit Memory Impairments In Naïve Mice Induced By Fecal Microbiota Transplantation From Mice Exposed To Chronic Intermittent Hypoxia	Clementine Puech, Mohammad Badran, David Gozal
69	Kynurenic Acid Modulates Sleep during Pregnancy: Implications for Neurodevelopmental Disorders	Courtney Wright, Ana Pocivavsek
70	Early to Bed and Early to Rise: Associations between Objective Measures of Sleep Midpoint, Sleep Quality (Odds Ratio Product), and Performance across 18-31 Nights of In-Home Polysomnography	Amy Bender, Kari Lambing, Bethany Gerardy
71	Factors influencing the likelihood to take controlled rest on the flight deck	Cassie Hilditch, Lucia Arsintescu, Sean Pradhan, Kevin Gregory, Erin Flynn-Evans
72	Association between chronotype and melatonin onset in typical home and dim-light home lighting environments	Katrina Rodheim, Rebecca Cox, Sarila Ekin, Zofia Martinez-Lisowska, Kenneth Wright
73	Frequent nightmares are associated with lower waking health and performance during longitudinal military training	Remington Mallett, Jason T. Jameson, Ken A. Paller, Rachel R. Markwald, Dale W. Russell
74	Correlates of Chronotype in Urban Adolescents and Young Adults	Keely Cheslack-Postava, Huilan Tang, Lupo Geronazzo-Alman, George Musa, Susan Lin, Christina Hoven
75	The ventilatory response to hypoxia exhibits a circadian rhythm that is driven in by the molecular clock within respiratory, Phox2b-expressing cells in a sex-dependent manner.	Allison Spears, Aaron Jones, Deanna Arble
76	Pathogenic MTOR mutations in Smith-Kingsmore syndrome affect circadian rhythms and sleep	Yang Shen, Hongzhi He, John B. Hogenesch, Carlos E. Prada, Andrew C. Liu
77	Correlations between subjective sleep onset and factors related to social isolation during the pandemic.	Nir Eilon, Remington Mallett, Ken Paller
78	Toward Precision Medicine and Better Sleep in Smith-Kingsmore Syndrome (SKS)	Kristen Groseclose, Susan Dando, David Smith, Yang Shen, Carolyn Serbinski, Thomas Dye, Darcy Krueger, John Hogenesch, Andrew Liu, Carlos Prada
79	Characterizing the output network of a sleep homeostat in Drosophila	Abigail Aleman, Jeff Donlea
80	Bmal1 overexpression in skeletal muscle alters behavioral responses to stress	Melika Madani, Scott Vincent, Ketema Paul
81	The Pupillary Light Reflex in Response to Evening Red and Blue Light in Children and Adolescents	Lauren Hartstein, Raymond Najjar, Mark Durniak, Kenneth Wright, Monique LeBourgeois
83	Time of Light Exposure and Light Intensity Predominantly Predict Circadian Phase in Free-Living Individuals	Hash Brown Taha, Larissa C. Hunt, Michael Herf, Lorna Herf, Kenneth P. Wright Jr.

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84	Dim light melatonin offset (DLMOff) in healthy adults and associations with chronotype	Rebecca Cox, Alivia Blumenstein, Tina Burke, Christopher Depner, Molly Guerin, Emily Hay-Arthur, Janine Higgins, Oliver Knauer, Shannon Lanza, Rachel Markwald, Ed Melanson, Andrew McHill, Sarah Morton, Hannah Ritchie, Mark Smith, Alexandra Smits, Kate Sprecher, Ellen Stothard, Dana Withrow, Kenneth Wright
85	Temporal stability of circadian misalignment: do night shift workers really rock around the clock?	Philip Cheng, Helena Bryans, Christopher Drake
86	The protective role of sleep in the cortical response to stress	Eva-Jeneé Andrews
87	Restoration of proteostasis with chaperone therapy increases XBP1s and ADAM10, rescuing cognitive performance in a mouse model of Alzheimer's disease.	Jennifer Hafycz, Ewa Strus, Nirinjini Naidoo
88	X chromosome dosage contributes to sex differences in sleep regulation.	India Nichols, Giselle Melendez, Faith Lockhart, Melika Madani, Noah Liberty, Haley Hrcir, Ketema Paul
89	The Effect of BMAL1 Expression on Autophagy Activity in Astrocytes	Connor Campbell, Celia McKee, Erik Musiek
90	Assessment of homeostatic and circadian timing of REM and deep sleep in young healthy adults, a longitudinal approach under real life conditions	Charlotte von Gall, Leon Holub, Martina Pfeffer, Simon Eickhoff
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92	Pediatric OSA and neurocognition	Arvind Chandrakantan
93	A Mixed Methods Examination of Sleep and Cannabis Use in Young Adults	Ali Yurasek, Cristiana Araujo, Sage Schaeffer, Mary Beth Miller
94	Sex differences in sleep exist prior to exposure to social defeat stress	Brittany Bush, Affra Mohamed, Hadiya Johnson, Caroline Donnay, Eva Andrews, Gabrielle Cain, Ashton Arocho, Chioma Okafor, Zhimei Qiao, Christopher Ehlen
95	The G-protein Coupled Signaling of APP-C terminal Fragment in the Suprachiasmatic Nucleus Impacts Cognition in Tau and Amyloidogenic Alzheimer's Disease Mouse Models.	Emily Sandefur, Neil Coleman, Rong Wang, Mary Weinrich, Anjana Sadanand
96	Understanding the Patient Experience With Sodium Oxybate Therapy for Narcolepsy	Matthew Horsnell, Enming Zhang, Rachele Cook, Lauren Dougherty, Allison Foley Shenk, Frederik Ascencion, Anne Marie Morse, Luis E. Ortiz, Wei Li, E. Robert Wassman, Christopher DeFelicce, Maria Picone
97	Sleep-promoting neurons of the dFB suppress aggression following sleep loss in Drosophila	Benjamin Mainwaring, Christine Dubowy, Jose Duhart, Kyunghee Koh, Matthew Kayser
98	Perils of the nighttime: impact of behavioral timing and preference on mental and physical health in 74,000 community-dwelling adults	Renske Lok, Lara Weed, Joseph Winer, Jamie Zeitzer
99	Slumber neurons in Drosophila dissipate sleep drive via the memory gene Radish	Clark Rosensweig, Yong-Kyu Kim, Sharon Zhao, Stephanie Lopez, Shiju Sisobhan, William Kath, Ravi Allada
100	An exploratory study of Sleep Quality and Quantity in Children with SYNGAP1-ID	Constance Smith-Hicks
102	Influence of APP expression on cognitive behaviors in Alzheimer's Disease mouse models subjected to sleep fragmentation	Anjana Sadanand, Mary Weinrich, Ridham Patel, Neil Coleman, Rong Wang, Angele Parent
103	Effect of sensor resolution on estimation of artificial light at night and sleep outcomes in Los Angeles County	Charlie Zhong, Jennifer Benbow, Sophia S Wang, James V Lacey Jr, Meredith Franklin, Travis Longcore
104	Daytime and nighttime profiles of ghrelin and growth hormone concentrations differ between individuals with and without obesity	Erin Hanlon, Eve Van Cauter
105	Phenotypic differences in sleep and circadian rhythms in delayed sleep wake-phase disorder patients with and without comorbid depression	Cátia Reis, Luisa Klaus Pilz, Teresa Paiva, Maria Paz Hidalgo, Kenneth P Wright
107	Circadian Contributions to Blood Pressure Dipping in African American Adults	Gabrielle Gloston, Rebecca Williams, Mackenzie Hogue, Kristen Hays, Courtney Peterson, Karen Gamble, S. Justin Thomas
109	The Interrelationships Between Insomnia, Sleep Apnea and Nightmares in Veterans with Psychological Trauma	Elena Stuewe, Katherine Malcolm, Steven Woodward, Leslie Yack, Thomas Metzler, Thomas Neylan, Anne Richards
110	Lack of association between excessive daytime sleepiness, depressive symptoms, and social isolation in older adults living in long-term care.	Suzanne Hood, Zachary Fry, Alexandre Rodgers, Krissy Langlois, Maude Beaulieu, Erin Dunne
111	Drosophila photoreceptors converge in circadian/arousal neurons as a possible coincidence detector system	David Au, Jenny Liu, Thanh Nguyen, Todd Holmes