



Ashura Williams Buckley, M.D.

Director, Sleep Disorders and Neurodevelopment Service, Office of the Clinical Director

National Institute of Mental Health, NIH

Dr. Buckley is Director of the Sleep Disorders and Neurodevelopment Service, Office of the Clinical Director in the Intramural Research Program at the National Institutes of Health. The Service provides clinical assessment and diagnosis of sleep disorders for children and adults for the Clinical Center at NIH. Dr. Buckley's research is focused on working collaboratively with scientists inside and outside of the NIH to help identify electrical activity patterns in the sleeping brain and other physiological markers of sleep that might serve as useful markers in the earliest detection of neurodevelopmental and neuropsychiatric disorders (PMID: 29875224, 26844269, 21851192).



Mirjana Maletic-Savatic, M.D., Ph.D., FAAP

Associate Professor of Child Neurology and Neuroscience

Baylor College of Medicine

Dr. Maletic-Savatic is an associate professor in the Department of Pediatrics in the Division of Child Neurology at Baylor College of Medicine. She has professional interests in brain plasticity and remodeling, using tools of metabolomics and neuroimaging. Focusing on neurogenesis, lipid metabolism, and drug discovery, Dr. Maletic-Savatic aims to translate her basic science research on activity-dependent birth of new neurons and the effects of neuroinflammation on their circuitry integration to clinical studies (PMID: 20887954, 25957904, 17991865).



Seth Blackshaw, Ph.D.

Professor of Neuroscience

Johns Hopkins University

Dr. Blackshaw is a professor of neuroscience at the Johns Hopkins University School of Medicine. His lab uses functional genomics and proteomics to identify molecular mechanisms behind the generation, cell specification, and survival of the retina and hypothalamus. He is interested in using this research to identify biochemical targets of developmentally relevant genes and determine the contribution of key cell types in controlling circadian rhythmicity and sleep (PMID: 29631023, 21068293, 28847002).



Catherine Chu, M.D.

*Assistant Professor of Neurology
Harvard Medical School*

Dr. Chu is a board-certified child neurologist and neurophysiologist at Massachusetts General Hospital and Assistant Professor at Harvard Medical School. Dr. Chu is the director of neonatal and pediatric EEG monitoring at MGH and clinically cares for children with difficult to control epilepsy. Dr Chu's research focuses on identifying anatomical and physiological biomarkers for seizure risk over development using noninvasive multimodal imaging. She is also active in several multicenter collaborative networks to improve our

understanding of neonatal seizures and early life epilepsies (PMID: 27988323; 25534110; 24418219; 22357854).



Alexa Craig, M.D., M.S., MSc

*Neonatal and Pediatric Neurologist and Clinical Researcher,
Barbara Bush Children's Hospital at Maine Medical Center
Maine Medical Center Research Institute*

Dr. Craig is a neonatal and pediatric neurologist with a research interest in neonatal neurocritical care; specifically the use of therapeutic hypothermia for neuroprotection. After earning her MD from the Larner College of Medicine in 2006, she completed a pediatric residency at Maine Medical Center (MMC), a child neurology residency at the University of Washington and Seattle Children's Hospital, and a neonatal neurology fellowship at Washington University and St Louis Children's Hospital. Her work, including the creation of a neonatal neurology program at the Barbara Bush Children's Hospital at Maine Medical Center, has focused on

improving the neurological outcomes for babies born in Maine. Dr. Craig has pioneered telemedicine applications for neonatal neurology through both research and clinical practice to eliminate disparities in access to care (PMID: 30721531, 30585100, 32958837).



Gregory L. Holmes, M.D.

*Professor and Chair of Department of Neurological Sciences
Larner College of Medicine, University of Vermont*

Dr. Holmes is the Chair of the Department of Neurological Sciences at the University of Vermont College of Medicine and Professor of Neurological Sciences and Pediatrics. He is a pediatric neurologist with clinical and basic research interests in childhood epilepsy. This research focuses on co-morbidities of childhood epilepsy with particular interest in cognitive impairment and autism spectrum disorder (PMID: 29616471, 29394267, 28739514).



Jonathan Lipton, M.D., Ph.D.

Assistant Professor of Neurology

Boston Children's Hospital and Harvard Medical School

Dr. Lipton is a practicing child neurologist and sleep medicine physician and conducts research at Boston's Children Hospital that focuses on the interplay between circadian rhythms and circadian protein synthesis, circadian organization of synaptic function, and how these mechanisms are disrupted in neurological disease models (PMID: 29206810, 28746872, 28231463).



Matthew McGinley, Ph.D.

Assistant Professor of Neuroscience

Baylor College of Medicine

Dr. McGinley's lab in the Duncan Neurological Research Institute studies the influence of brain state on perception and decision-making. The lab uses electrophysiological, imaging, optogenetic, computational, and engineering approaches to reveal mechanisms from the sub-cellular to circuit levels. Currently, the lab is focused on four main projects: 1) neuromodulatory mechanisms of attentional effort, 2) improvement of perceptual learning with peripheral nerve stimulation, 3) hippocampal-cortical interactions underlying navigation in acoustic virtual reality, and 4) developing devices to non-invasively track brain

state (PMID: 26980647, 27824036, 27821773).



Shaun Purcell, Ph.D.

Brigham & Women's Hospital, Harvard Medical School

Dr. Purcell is an Associate Professor in the Department of Psychiatry at Brigham & Women's Hospital, Harvard Medical School. His research background is in statistical and computational methods in complex trait genetic epidemiology. Dr. Purcell's current research interests include the role of sleep in medical and neuropsychiatric disease and developing computational tools and data resources to support large-scale epidemiological and genetic sleep science (PMID: 33893509, 33199858, 28649997, 32066662; <http://zzz.bwh.harvard.edu/>).



Katie Sharkey, M.D., Ph.D.

Associate Dean for Gender Equity, Associate Professor of Medicine, and Associate Professor of Psychiatry and Human Behavior, Alpert Medical School of Brown University

Dr. Sharkey is the Associate Dean for Gender Equity and an Associate Professor of Medicine, Psychiatry, and Human Behavior at Alpert Medical School of Brown University. Her research background is in sleep and circadian rhythm as it relates to mood regulation, psychiatry, and women's health. Dr. Sharkey's current research focuses on the effects of

chronotherapy on the mood of pregnant women with anxiety and depression (PMID: 30033850, 28573658, 28668666).



Renée Shellhaas, M.D., M.S.

Clinical Professor of Pediatrics, University of Michigan Medical School

Dr. Shellhaas is a Clinical Professor the Donita B. Sullivan Research Professor in the Division of Pediatric Neurology at the University of Michigan Medical School. Her sleep research takes a multidisciplinary approach to quantitative sleep measures as indicators of brain function and future neurodevelopment (PMID: 33931736, 31409691, 29221695, 28958087). Dr. Shellhaas also maintains a research program focuses on neonatal seizures and risk of post-neonatal epilepsy (PMID: 34028496, 33188528, 34212365).



Olivia Veatch, Ph.D.

Assistant Professor of Psychiatry and Behavioral Sciences University of Kansas Medical Center

Dr. Veatch is an assistant professor in the Department of Psychiatry and Behavioral Sciences at the University of Kansas Medical Center. Her research focuses on deriving clinically useful knowledge from human genetics data across computational genetics, bioinformatics, and in vitro studies, with the broad goal of using genetics to facilitate the treatment of brain disorders, including autism spectrum disorder (PMID: 33261099, 25059483, 26120597).

