

“Environmental Sleep and Circadian Epidemiology”



Danielle Wallace, MPH, PhD
Postdoctoral Fellow in Medicine
Brigham & Women’s Hospital
Harvard Medical School

Friday, November 3rd
12-12:50 P.M.

Claudia Nance Rollins Rm 4001

Lunch provided

No Registration Required

Questions? Contact djobe@emory.edu

Dr. Danielle Wallace is an environmental health researcher who specializes in chronobiology and sleep epidemiology. She completed her MPH and PhD in environmental health from Emory University, developing an interdisciplinary background in basic vision research, epigenetics, and environmental epidemiology. Currently a Postdoctoral Fellow supported by an NHLBI K99 in the Division of Sleep and Circadian Disorders at Brigham and Women’s Hospital and Harvard Medical School, Dr. Wallace’s scholarship focuses on three topics within sleep and circadian health: (1) environmental exposures (such as light), (2) climate change, and (3) epilepsy, using wearables and epigenetics as key research tools. Like the air we breathe, light is a salient component of our environment. The primary synchronizer of the circadian clock, light affects sleep and other physiological processes important to health. While light exposure is not commonly considered in public health research, wearable devices have made it possible to evaluate the significance of personal light exposure patterns to health. In this seminar, Dr. Wallace will discuss their work combining actigraphy and light sensor data to understand the relationships between light, sleep, and chronobiological health in the general population.