BRIGHAM AND WOMEN'S HOSPITAL
HARVARD MEDICAL SCHOOL

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Department of Medicine
Channing Division of Network Medicine

Channing Microbiome Seminar

March 11th (Friday), 9AM (ET)

Zoom: https://us02web.zoom.us/j/81070959105?pwd=RFJNd3dSZmR6dXJZNjJiYVVzQ3NEQT09
Meeting ID: 810 7095 9105
Passcode: 984617

Hannah E. Laue, ScD

Geisel School of Medicine at Dartmouth College
New Hampshire Birth Cohort Study

The Role of the Microbiome in Environmental Epidemiology

Abstract: Environmental contaminants are linked to health effects across the life course, but the mechanisms through which they act are not fully understood. The gut microbiome has been shown to be responsive to environmental exposures and predictive of future health outcomes, although most of the current research is conducted in animal models or in case-control studies. The early-life gut microbiome may be particularly influential in shaping health as it develops alongside organ systems, including the brain, during a period when the host is susceptible to external influences including toxicants. Dr. Laue's presentation will focus on how information about the early life microbiome can be used to better understand the link between environmental exposures and neurodevelopmental outcomes using examples from her work in the New Hampshire Birth Cohort Study and Gestation and Environment cohort.

Bio: Dr. Laue is a postdoctoral associate at the Geisel School of Medicine at Dartmouth College working with Dr. Margaret Karagas and Dr. Juliette Madan on the New Hampshire Birth Cohort Study. She received her ScD from the Harvard T.H. Chan School of Public Health in 2019, where she worked with Dr. Andrea Baccarelli.