This course is an integrated approach to neurological diseases, which includes background information as well as the diagnosis, treatment, and biological mechanisms of the disease under study. The topic for fall 2020 is “The Microbiome and the Brain”. The human microbiota is comprised of all microorganisms living in the body. Amazingly, dynamic changes in the microbiota can alter brain physiology and behavior. Microbes release metabolites and microbiota-derived molecules to further trigger host-derived cytokines and inflammation in the central nervous system, which contribute greatly to the pathogenesis of host brain disorders. In this seminar course, content experts will discuss the role of the human microbiome in various neurological conditions.

This course is open to graduate students, medical students, residents and postdoctoral fellows.

Lecture Time and Location

Tuesdays, 12:00 p.m. – 1:00 p.m. online via WebEx videoconference - The Graduate School has shifted operations and classes online until further notice.

Course Requirements:
Attendance
Completion of final essay based on a course lecture. (Postdoctoral fellows are exempt)

Directors:
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