

**Talk Title:**

**EXA-SCALE IMAGING OF THE  
MAMMALIAN BRAIN**

**BIOGRAPHY:**

Jeff W. Lichtman, M.D., Ph.D. is the Jeremy R. Knowles Professor of Molecular and Cellular Biology, Santiago Ramon y Cajal Professor of Arts and Sciences, and the Dean of Sciences in the Faculty of Arts and Sciences at Harvard. His work focuses on uncovering the fine structure of developing and mature neural circuits using new tissue preparation and imaging techniques, that provide synapse-level descriptions of brain structure in a wide variety of animals including Cnidaria, Gastropods, Nematodes, Zebrafish, Rodents, and humans. He is currently involved in a consortium developing the approaches required to obtain a full mouse brain connectome. He will talk about the technical and intellectual advances and obstacles related to making, and making sense, of a full brain connectivity map." Professor Lichtman is a member of the National Academy of Sciences.

DEPARTMENT OF BIOMEDICAL ENGINEERING

**2024 FALL  
DISTINGUISHED SPEAKER  
SEMINAR SERIES**

**Jeff Lichtman, Ph.D.**

**Knowles Professor -Molecular and Cellular Biology  
Santiago Ramon y Cajal Professor- Arts and Sciences  
Dean of Sciences-Faculty of Arts and Sciences  
Harvard**

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**THURSDAY November 7, 2024  
11am-12pm  
PWEB 150**



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