

Microscopes and Brains

Professional Development Workshop

BioBus and Harvard Medical School present Disease Detectives, a student-generated, standard-aligned curriculum that explores the interface between microscopy, neuroscience and medicine.

Adapted for both online and in-person teaching, Disease Detectives engages students in a series of interactive activities that unpack difficult topics, such as brain diseases, into simple structure and function exercises. Even the tools that scientists use to study the brain are broken down into their structural components, as students learn to make their own microscopes using a Do-It-Yourself optical kit.

During this mini-course for 6th-12th grade teachers, BioBus and Harvard scientists will dig into neuroscience (session one) and microscopy (session two), unpacking the Disease Detectives curriculum, its supporting materials and tools, including pre-recorded lessons, grade-appropriate disease encyclopedia, and the BioBus Do-It-Yourself microscope kit.

Where: **Zoom**

When: **May 4, May 6, 4-6PM EST**

Facilitators: **Mollie Thurman, M.A. (BioBus Chief Scientist)**
Francesca Anselmi, Ph.D. (BioBus Chief Scientist)
Aurelien Begue, Ph.D. (Instructor in Neurobiology)

Please follow [THIS LINK](#) to register **FREE OF CHARGE**.

BIOBUS

BioBus's mission is to help minority, female, and low-income K - 12 and college students in New York City discover, explore, and pursue science. Through this work, we envision a world where all people have the opportunity to reach their full scientific potential. Since 2008, 300,000 students at more than 800 schools have discovered the thrill of scientific discovery, with many embarking on a path of scientific exploration and sustained pursuit.



HARVARD
MEDICAL SCHOOL

Harvard Medical School's mission is to nurture a diverse, inclusive community dedicated to alleviating suffering and improving health and well-being for all through excellence in teaching and learning, discovery and scholarship, and service and leadership. Since the School was established in 1782, faculty members have improved human health by innovating in their roles as physicians, mentors and scholars. They've piloted educational models, developed new curricula to address emerging needs in health care, and produced thousands of leaders and compassionate caregivers who are shaping the fields of science and medicine throughout the world with their expertise and passion.