



Harvard Center for Biological Imaging Lunch and Learn Lecture Series

Fall 2018

- Oct 17th**
12:00PM
How does a microscope work?
Doug Richardson will introduce the basic concepts of magnifying an object by using a lens. He will also introduce the concept of fluorescence and how a microscope is built to take advantage of this unique property of dye molecules.
- Oct 31st**
12:00PM
Cutting your sample with light
Doug Richardson will introduce you to the various methods of optical sectioning. He will include a breakdown of what type of sample each technology is best suited towards.
- Nov 14th**
12:00PM
Antibody electrophoresis
Luke Bogart will review tissue clearing and discuss the challenges associated with immunolabeling these samples. He will introduce LifeCanvas Technologies' SmartLabel active immunostaining device, which uses electrophoresis to label intact mouse brain hemispheres in just 1-2 days
- Nov 28th**
12:00PM
Time casts a spell on you
Erin Diel will consider the temporal parameters of image acquisition for both static and dynamic samples. You will learn how to save time in image acquisition while still capturing the information you need!
- Dec 5th**
12:00PM
Ratiometric imaging – Seriously?
Christian Hellriegel will provide some insight and background on how to use built-in ZEN functionalities that allow for ratiometric imaging.

**Location: BioLabs Lecture Hall Rm 1080
16 Divinity Avenue, Cambridge, MA**

This lecture series is designed to provide information on applications and techniques available in the HCBI. *You do not need to be a member of the facility to attend!*

For further information, please contact Doug Richardson
(drichardson@fas.harvard.edu).

Pizza and drinks provided by Carl Zeiss Microscopy, LLC and Life Canvas Technologies



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technologies