Harvard Center for Biological Imaging

Lunch and Learn

Lecture Series

Fall 2015

September 9th 12:00PM

Introduction to Microscopy:
Sven Terclavers will be speaking on the basics of microscopy. Come learn how a microscope works and what terms like NA and magnification really mean.

September 23rd 12:00PM

Introduction to 3D X-ray Microscopy:
Amo Merkle from Carl Zeiss X-ray Microscopy will be here to explain how this technology can give you synchrotron-quality tomographic images in the laboratory.

October 7th 12:00PM

Introduction to Raman Imaging:
Arthur McClelland from the Harvard Center for Nanoscale Systems will introduce us to the label-free Raman imaging technique.

October 14th All day

Introduction to arivis Vision4D:
The development team from arivis Vision4D will be on campus for an all-day workshop. Space is limited contact Doug Richardson to register.

October 21st 12:00PM

Introduction to Electron Microscopy:
Carolyn Marks from the Harvard Center for Nanoscale Systems will discuss a number of electron microscopy techniques and methods of sample preparation for biological samples.

November 4th 12:00PM

Introduction to Fluorescence and Fluorescence Probes:
Doug Richardson will provide an introduction to fluorescence, the basic structure of a fluorophore, and review the dyes, proteins and biosensors currently available.

November 20-22nd All day

Tissue Clearing Workshop:
The HCBI will host 3-day workshop focused on preparing, imaging, and analyzing cleared tissue. For more info and to register, go to:

www.hcbi.fas.harvard.edu/tcw2015

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

This lecture series is designed to provide general information on microscopy. You do not need to be an HCBI member to attend! For further information, please contact Doug Richardson (drichardson@fas.harvard.edu) or Sven Terclavers(sven.terclavers@zeiss.com).

Pizza and drinks provided by Carl Zeiss Microscopy, LLC