



Harvard Center for Biological Imaging Lunch and Learn Lecture Series Summer 2022

June 13th
2:00PM

**MINFLUX: molecule-scale resolution in
fluorescence microscopy**
Stefan Hell.

June 16th
12:00PM

Intro to Fluorescent In situ Hybridization
Alex Lovely. Alex will go over a brief introduction to FISH and prevalent modern iterations of the methodology. We will also touch on various imaging modalities/ recommendations for optimally imaging FISH samples.

June 30th
12:00PM

Spatial transcriptomics with MERSCOPE
VIZGEN

July 14th
12:00PM

A modular approach to tissue clearing
Doug Richardson. Doug will discuss how to take a modular approach to tissue clearing to customize a clearing protocol for a specific tissue of interest.

July 28th
12:00PM

Airyscan technology explained
Chris Hellriegel. In this lunch and learn presentation we will present the imaging principles behind Airyscanning and how it is further utilized within the ZEN software in Multiplexing mode (acquisition of multiple lines in one scan).

Aug 11th
12:00PM

Image Analysis / Intellesis step-by-step
Chris Hellriegel. Image Analysis and Machine Learning based segmentation (Intellesis) have evolved to become important tools that are offered at HCBI - in this presentation we will revisit the image analysis process and intellesis (machine learning) using ZEN in a step-by-step manner.

Location: Biolabs Lecture Hall, Room 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 hcbi_imaging@fas.harvard.edu.

