

HCBI Tissue Clearing Workshop 2020

Wednesday January 22nd, 2020

All lectures in Biological Labs Lecture Hall, RM 1080, 16 Divinity Ave., Cambridge

8:30 - 9:00	REGISTRATION	
9:00 – 9:15	Welcome and Announcements	Doug Richardson, Harvard University
9:15 – 9:45	Light Scatter in Biological Tissue	Jeff Lichtman, Harvard University
9:45 – 10:45	Advances in Tissue Clearing	Kwanghun Chung, MIT
10:45 – 11:00	COFFEE BREAK	
11:00 – 11:30	Advances in Tissue Clearing II	Zhuhao Wu, Icahn School of Medicine
11:30 – 12:00	Expansion Microscopy	Fei Chen, The Broad Institute
12:00 – 12:30	Tech Talks/Discussion	Logos Biosystems, LifeCanvas
12:30 – 1:30	LUNCH	

Hands on Session – Biolabs Teaching Labs Room 5096, 16 Divinity Ave., Cambridge

1:30 – 6:00 Hands-on sample clearing

Dinner at Nubar, 16 Garden St., Cambridge (in the Sheraton Commander Hotel)

7:00 Networking Dinner (RSVP to Doug)

Thursday January 23rd, 2020

All lectures in Biological Labs Lecture Hall, RM 1080, 16 Divinity Ave., Cambridge

8:30 - 9:00	Coffee and Refreshments	
9:00 – 9:30	Discussion of hands-on clearing experiments	
9:30 – 10:30	Optical Sectioning Techniques	Chris Hellriegel, Harvard University
10:30 – 10:45	COFFEE BREAK	
10:45 – 11:15	Imaging Cleared Tissue	Erin Diel, Harvard University
11:15 – 12:30	Tech Talks/Discussion	Zeiss, Miltenyi, 3i, Olympus

12:30 – 1:30 LUNCH

All imaging experiments will take place in Rooms 2041, 2052 and 2057 in the Biological Labs

1:30 – 5:30 Hands-on imaging (Rotations 1-4)

Dinner on your own

Friday January 24th, 2020

All lectures in Biological Labs Lecture Hall, RM 1080, 16 Divinity Ave., Cambridge

8:30 - 9:00 Coffee and Refreshments

9:00 – 9:30 Immunolabelling Ted Zwang, Harvard University

9:30 – 10:00 Data Handling Doug Richardson, Harvard University

10:00 – 10:15 COFFEE BREAK

10:15 – 10:45 Big data analysis Holly Gibbs, Texas A&M University

10:45 – 10:55 Tech Talk arivis AG

All imaging experiments will take place in Rooms 2041, 2052 and 2057 in the Biological Labs

11:00 – 12:00 Hands-on Imaging (Rotation 5)

12:00 – 1:00 LUNCH

1:00 – 3:00 Hands-on Imaging (Rotations 6 & 7)

Departure