



BioPhotonics Ph.D. course 2024

Monday May 27th to Friday May 31st

DaMBIC & PhyLife, University of Southern Denmark, Odense Campus, Denmark

Organized by: DaMBIC, Danish Molecular Biomedical Imaging Center & Nikon/Ramcon

Venue: PhyLife and DaMBIC facilities and labs

More information on [www.dambic.dk \(/training and courses/BMB207\)](http://www.dambic.dk (/training and courses/BMB207))

Monday May 27, 2024

08:00	-	09:30	General introduction to microscopy and fluorescence	Jonathan	Lecture
09:30	-	10:30	Confocal laser scanning microscopy	Jonathan	Lecture
10:30	-	11:00	Coffee break+Announcement of projects		
11:00	-	12:00	Image Analysis	Daniel	Lecture
12:00	-	12:45	Lunch break		
12:45	-	13:30	Two photon microscopy	Jonathan	Lecture
13:30	-	18:00	Microscopy practicals	Labs	

Tuesday May 28, 2024

08:00	-	09:00	Super resolution microscopy I	Jonathan	Lecture
09:00	-	09:45	Super resolution microscopy II	Jonathan	Lecture
09:45	-	10:15	Coffee break		
10:15	-	11:30	CARS / MERFISH	Jonathan	Lecture
11:30	-	12:00	Automatic image acquisition and analysis	Morten	Lecture
12:00	-	13:00	Lunch break+Choosing individual projects		
13:00	-	13:10	Teams for projects+materials hand-out		
13:10	-	17:30	Microscopy practicals	Labs	

Wednesday May 29, 2024

08:00	-	09:00	FRAP FLIP	Daniel	Lecture
09:00	-	10:00	Correlation methods FCS	Jonathan	Lecture
10:00	-	10:30	Coffee break		
10:30	-	11:00	Application talk	??	Application
11:00	-	11:25	Application talk	??	Application
11:25	-	12:00	Sponsor Talk, Ramcon / Nikon		
12:00	-	13:00	Lunch break		
13:00	-	17:30	Microscopy practicals	Labs	
19:00	-	22:00	Joint dinner (subject to change)		

Thursday May 30, 2024

08:30	-	12:00	Project	Labs	
12:00	-	13:00	Lunch break		
13:00	-	18:00	Project	Labs	

Friday May 31, 2024

08:30	-	10:00	Presentation preparation	Practical	
10:00	-	10:00	Coffee break		
10:00	-	11:30	Presentation preparation	Practical	
11:30	-	12:00	Lunch break		
12:00	-	16:30	Presentations and wrap up	Lecture	