

# BioPhotonics Ph.D. course 2015

Monday January 19 – Friday January 23, 2015

5 ECTS Points

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

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

Program committee: Jonathan Brewer & Luis Bagatolli

Venue: MEMPHYS common room and labs

Cost: 6000 DKK

Registration: brewer@memphys.sdu.dk

## Monday January 19, 2013

8:00	-	9:00	Introduction to Fluorescence	Luis	Lecture
9:00	-	10:00	General introduction to microscopy	Jonathan	Lecture
10:00	-	10:30	Coffee break		
10:30	-	11:30	Confocal laser scanning microscopy	Jonathan	Lecture
11:30	-	12:30	Live cell imaging	Daniel	Lecture
12:30	-	13:30	Lunch Break		
13:30	-	16:30	Microscopy Practicals		Practical

## Tuesday January 20, 2013

8:00	-	9:00	Two photon confocal microscopy	Luis	Lecture
9:00	-	10:00	Super Resolution and FLIM microscopy	Jonathan	Lecture
10:00	-	10:30	Coffee break		
10:30	-	11:30	Correlation methods	Jonathan	Lecture
11:30	-	12:00	Imaging cardiovascular resistance arteries	Maria	Seminar
12:00	-	13:00	Lunch Break		
13:00	-	17:30	Microscopy Practicals		Practical

## Wednesday January 21, 2013

8:00	-	9:00	Atomic force microscopy	Adam/Jes	Lecture
9:00	-	10:00	Whole animal imaging	Torben	Lecture
10:00	-	10:30	Coffee break		
10:30	-	11:00	CARS	Jonathan	Seminar
11:00	-	11:30	Intracellular trafficking	Barbara	Seminar
11:30	-	12:30	Lunch Break		
12:30	-	13:00	Commercial presentation		Practical
13:00	-	16:00	Microscopy Practicals		
18:00	-	21:00	Dinner in town sponsored by Nikon		

## Thursday January 22, 2013

8:00	-	12:00	Project		Practical
13:00	-	14:00	Lunch Break		
13:00	-	16:00	Project		Practical

## Friday January 23, 2013

8:00	-	10:00	Presentation preparation		Practical
10:00	-	10:30	Coffee break		
10:30	-	12:00	Presentation preparation		Lecture
12:00	-	13:00	Lunch Break		
13:00	-	16:00	Presentations and wrap up		Lecture

