

Advanced Optical Microscopy for Cell Biology Course

4-14th April 2018

The Marine Biological Association, The Laboratory, Citadel Hill, Plymouth, UK.



Date	Lecturer	Talk/Title
<i>Wednesday 4th</i>	Student Registration at 18.00	Evening Mixer
		Buffet and introductory talks. Start to put up posters
<i>Thursday 5th</i>	Brad Amos ba@mrc-lmb.cam.ac.uk	3 introductory lectures: Overview of optical microscopy, ray and wave optics, polarization and interference
<i>Friday 6th</i>	Martin Thomas m.thomas@cairn-research.co.uk	Light sources
	Gail McConnell g.mcconnell@strath.ac.uk	Lasers and nonlinear optics
	Klaus Suhling klaus.suhling@kcl.ac.uk	Detectors for imaging
<i>Saturday 7th</i>	Maddy Parsons maddy.parsons@kcl.ac.uk	Working with living cells
	Gerard Marriott marriot1@berkeley.edu	Fluorescence and fluorescent proteins
	Stefanie Reichelt sr411@cam.ac.uk	Laser scanning confocal microscopy of live cells
<i>Sunday 8th</i>	No lectures	
<i>Monday 9th</i>	Tony Campbell campbellak@cardiff.ac.uk	Bioluminescence
	Rainer Heintzmann rainer.heintzmann@uni-jena.de	STED and super-resolution
	<i>No lecture – practicals 2-8pm</i>	
<i>Tuesday 10th</i>	Nicola Lawrence njl@cam.ac.uk	Experiences with an OMX system and structured illumination
	<i>No lecture – practicals 11-6pm</i>	
	Susan Cox susan.cox@kcl.ac.uk	Statistical methods in super-resolution microscopy
<i>Wednesday 11th</i>	Noah Russell noah.russell@nottingham.ac.uk	Surface plasmon resonance microscopy
	<i>No lecture – practicals 11-6pm</i>	
	Sandrine Lévêque-Fort sandrine.leveque-fort@u-psud.fr	Localisation microscopy
<i>Thursday 12th</i>	Paola Borri BorriP@cardiff.ac.uk	Label-free live cell imaging with coherent Raman scattering microscopy
	<i>No lecture – practicals 11-6pm</i>	
	Christian Eggeling christian.eggeling@rdm.ox.ac.uk	<i>Keynes Lecture:</i> STED microscopy and nano-immunology
<i>Friday 13th</i>	Lucy Collinson lucy.collinson@crick.ac.uk	Correlative Light and EM
	<i>No lecture – practicals 11-6pm</i>	
Farewell Meal	Michelle Peckham m.peckham@leeds.ac.uk	<i>RMS Lecture:</i> Using super-resolution to study the cytoskeleton
<i>Saturday 14th</i>	David Ogden david.ogden@crick.ac.uk	Applications and techniques in live cell measurements using caged compounds
	<i>Meeting close at 12noon</i>	