

RMS CELL IMAGING TECHNIQUES COURSE

1-5 SEPTEMBER 2008

Monday - General introduction and cell labelling			Room
8.00	9.00	Breakfast	PDR
9.00	9.15	Welcome <i>Susan Brooks, John Runions</i>	SG51
9.15	10.15	General introduction to cell imaging <i>John Runions</i>	SG51
10.15	10.45	Coffee	SG50
10.45	11.45	Introduction to antibodies <i>Nigel Groome</i>	SG51
11.45	12.45	Introduction to LM immunocytochemistry <i>Susan Brooks</i>	SG51
12.45	13.30	Lunch Break	
13.30	14.30	Practical set up- affinity labelling of tissue sections <i>Susan Brooks</i>	
14.30	15.30	Fixation strategies for LM immunocytochemistry <i>Peter Jackson</i>	SG51
15.30	16.30 with break for tea (SG50)	Practical continues - affinity labelling of tissue sections <i>Susan Brooks</i>	
16.30	17.30	Introduction to light and fluorescence microscopy <i>John Runions</i>	SG51
19.00	21.00	Dinner	PDR
	Evening	Pub Crawl/Mini Tour around Oxford (Optional)	

Tuesday - Confocal microscopy			Room
8.00	9.00	Breakfast	PDR
9.00		Labelling cells for Confocal microscopy <i>Paul Monaghan</i>	SG51
		Practical - Immunofluorescence labelling	
10.15	10.45	Coffee	SG50
		Practical - Preparation of tissue sections for Confocal microscopy	
12.45	13.30	Lunch Break	
13.30		Workshop: Imaging fluorescent specimens <i>Paul Monaghan and Pippa Hawes</i>	
15.30	16.00	Tea	SG50
16.00	17.30	Fluorescent proteins and live cell imaging <i>John Runions</i>	SG51
19.00	21.00	Dinner	PDR
	Evening	Free Time	

Wednesday - Live cell imaging day			Room
8.00	9.00	Breakfast	PDR
9.00	13.00	Live cell imaging hands on workshops	
13.00	13.45	Lunch	
	Afternoon	Optional imaging time or free time to explore Oxford	
19.00	21.00	Dinner	PDR
	Evening	Free Time	

Thursday - Electron microscopy			Room
8.00	9.00	Breakfast (Private Dining Room)	PDR
9.00	9.30	Practical - Antibody labelling of EM sections	
9.30	10.30	Introduction to immunogold labelling <i>Paul Monaghan</i>	SG51
10.30	10.45	Practical - Contrasting sections for EM	
10.45	12.00	Immunolabelling for SEM <i>Paul Monaghan</i>	SG51
12.00	12.30	Practical - Imaging grids by EM	
12.30	13.15	Lunch	
13.15	14.30	Demonstration - Cryosectioning for EM	
14.30	16.00	Demonstration - High pressure freezing	
16.00	17.00	Special Invited Lecture – RMS Cell Biology Annual Lecture Imaging and micromanipulation of living fungal cells <i>Nick Read, Institute of Cell Biology, University of Edinburgh</i>	SG51
17.00	17.30	RMS Cell Biology Committee AGM (Optional)	
	19.00	Open top bus tour around Oxford (Warm clothing recommended)	
	20.00	Course dinner at Browns Restaurant	

Friday - Advanced techniques			Room
8.00	9.00	Breakfast (Private Dining Room)	PDR
9.00	10.00	Introduction to in situ hybridisation technology <i>Howard Pringle</i>	SG51
10.00	10.30	Coffee	SG50
10.30	11.30	Introduction to image analysis <i>Paul Sheppard</i>	SG51
11.30	12.30	Combined in situ and immunogold labelling <i>David Ferguson</i>	SG51
12.30		Course assessment and farewell <i>Susan Brooks</i>	SG51

