

## PROVISIONAL PROGRAMME – CRYO EM 2010

### Sunday 21st March

14.00	16.00	Arrival and introductions at Rothamsted main reception. Issue of room keys and transport to the Manor if necessary. Victoria Lee and Allison van de Meene in attendance.
18.00		Walk from Manor to Rothamsted campus (12 mins) and on to Harpenden
19.00		Dinner at Thai Tom (Harpenden Arms bar and restaurant)

### Monday 22<sup>nd</sup> March

8.00	8.45	Breakfast at the Manor	
09.00	10.00	<b>Registration</b>	Bawden Video Conference Room
10.00	10.15	<b>Welcome address</b> <i>Professor John Lucas</i> (Head of Plant Pathology and Microbiology, Rothamsted Research)	
10.15	10.45	<b>Introduction to the Course</b> <i>Allison van de Meene</i> (Rothamsted Research)	
10.45	11.00	Coffee/Tea	Bawden Video Conference Room
11.00	12.00	<b>High Pressure Freezing</b> <i>Roger Wepf</i> (ETH Zurich, EMEZ)	Lecture
12.00	13.00	<b>Freeze Substitution and Sample Processing</b> <i>Paul Verkade</i> (University of Bristol)	Lecture
13.00	14.00	Lunch	Lewis Hall Canteen
14.00	15.15	<b>Group A</b> High Pressure Freezing	Demonstration & Hands On
		<b>Group B</b> Freeze Substitution	Demonstration & Hands On
15.15	15.30	Coffee/Tea	Bioimaging
15.30	16.45	<b>Group B</b> High Pressure Freezing	Demonstration & Hands On
		<b>Group A</b> Freeze Substitution	Demonstration & Hands On
16.45	17.45	<b>Optimising camera and software variables</b> <i>Neil Wilkinson</i> (Gatan)	Lecture
17.45		End of Programme	
18.00		Dinner at the Manor & Free Time	

## Tuesday 23<sup>rd</sup> March

8.00	8.45	Breakfast at the Manor	
09.00	10.00	<b>Cryoultramicrotomy</b>	Lecture
		<i>Helmut Gnaegi (Diatome)</i>	
10.00	11.00	<b>Group A</b> Cryosectioning	Demonstration & Hands On
		<b>Group B</b> Rapid Cooling	Demonstration & Hands On
11.00	11.15	Coffee/Tea	Bioimaging
		Continue as above with hands on practice	
13.00	14.00	Lunch	Lewis Hall Canteen
14.00	15.30	<b>Group B</b> Cryosectioning	Demonstration & Hands On
		<b>Group A</b> Rapid Cooling	Demonstration & Hands On
15.30	15.45	Coffee/Tea	Bioimaging
15.45	17.00	Continue as above with hands on practice	
17.00	19.00	End of Programme & Free Time	
19.00		Pub dinner & Pub Quiz	White Horse Pub

## Wednesday 24<sup>th</sup> March

8.00	8.45	Breakfast at the Manor	
9.00	10.00	<b>CryoSEM</b>	Lecture
		<i>Kim Findlay (John Innes Centre)</i>	
10.00	13.00	<b>Group A</b> CryoTEM applications	Demonstration & Hands On
		<b>Group B</b> CryoSEM applications	Demonstration & Hands On
12.45	13.00	Group photograph (steps around pond area if weather permits)	
13.00	14.00	Lunch	Lewis Hall Canteen
14.00	15.00	<b>CryoTEM</b>	Lecture
		<i>Dave Bhella (University of Glasgow)</i>	
15.00	18.00	<b>Group B</b> CryoTEM applications	Demonstration & Hands On
		<b>Group A</b> CryoSEM applications	Demonstration & Hands On
18.00		End of Programme	
18.00		Dinner at the Manor & Free Time	

### Thursday 25<sup>th</sup> March

8.00	9.00	Breakfast at the Manor	
9.00	13.00	Supervised practice with own samples or those provided	Hands on
13.00	14.00	Lunch	Lewis Hall Canteen
14.00	15.00	<b>Plenary Lecture</b>	Fowden Hall
		<i>Kent MacDonald</i> (University of Berkeley)	
16.00	17.30	Supervised practice with own samples or those provided	
17.30		End of Programme	
18.00		Course Dinner	Tewin Bury Farm
		Meet at main reception for transport to Tewin Bury Farm	

### Friday 26<sup>th</sup> March

8.00	9.00	Breakfast at the Manor	
9.00	09.30	<b>Common Artifacts</b>	Lecture
		<i>Marilyn Carey</i> (Gatan UK)	
09.30	11.00	<b>Review results</b> with delegate participation and open discussion	
11.00	11.30	Coffee/Tea	Bawden Video Conference Room
11.30	12.00	Presentation of certificates	
12.00	12.30	Close of course and farewell	
13.00	14.00	Lunch	Lewis Hall Canteen