

MEET Workshop 10-12 December 2015-  
The Francis Crick Institute, Mill Hill Laboratory  
**“Mitochondrial Replication & Mitochondrial Protein Synthesis Assays”**

	<b>Thursday 10</b>	<b>Friday 11</b>	<b>Saturday 12</b>
9:30	Mitochondrial Protein Synthesis Assay: <b>Procedure &amp; outcomes</b>  AS/ MM	Mitochondrial Protein Synthesis Assay Practical: <b>Gel run</b>  MM	Post-hybridization washes. <b>Develop</b> a previous <b>2D blot</b>  CM/IJH
10:30	Coffee break	Coffee break	Coffee break
10:45	Mitochondrial Protein Synthesis Practical: <b><sup>35</sup>S-Methionine labelling</b>  MM	Mitochondrial Replication Assay: <b>Second dimension</b>  CM	Data analysis: <b>Interpretation of patterns of replication intermediates</b> on 2D gels.  IJH
13:00-14:00	Lunch	Lunch	Lunch
14:00-	Mitochondrial Protein Synthesis Practical: <b>Collection and lysis</b>  MM	Mitochondrial Protein Synthesis Practical: <b>Final steps and exposure</b>  MM	
15:45	Coffee break	Coffee break	
16:00	Mitochondrial Replication Assay:  The protocol <b>Set up RE digests &amp; prepare 1D gel.</b> <b>Interactive lecture</b>  CM/IJH	Mitochondrial Replication Assay:  <b>Hybridization</b>  CM	
17:00	Mitochondrial Replication Assay: <b>1D-AGE</b>  CM	Mitochondrial Protein Synthesis Practical: <b>Developing and concluding remarks</b>  MM	
18:30		Social event	

**AS**, Antonella Spinazzola

**CM**, Chloe Moss

**IJH**, Ian Holt

**MM**, Mara Mennuni