

## EMMA - Cryopreservation Training Course

### Day 1 - Monday 20<sup>th</sup> March 2017

08:30 - 9:00 hrs	Arrival and registration
09:00 - 10:00 hrs	Introductory lecture, including coffee and discussion
10:00 – 11:00 hrs	Tour of the Mary Lyon Centre
11:00 – 12:00 hrs	Handling/Shipping Samples Introduction <ul style="list-style-type: none"> <li>a) Lifer holding/refrigerated transportation</li> <li>b) Dry shipper (Demonstration)</li> </ul>
12:00 – 13:00 hrs	<b>LUNCH</b>
13:00 – 15:00 hrs	Sperm Harvesting/Freezing Introduction <ul style="list-style-type: none"> <li>a) Sperm freezing - Practical</li> <li>b) Sperm held in Lifer for refrigerated transportation (Practical)</li> <li>c) Sperm held on dry-ice (Demonstration)</li> </ul>
15:00 – 16:00 hrs	Preparation for Tuesday's IVF <ul style="list-style-type: none"> <li>a) Pre- incubation dish containing MBCD</li> <li>b) Fertilisation drops containing GSH</li> <li>c) Wash dish containing mHTF</li> </ul>
16:00 – 16:30 hrs	Recap/Review

### Day 2 - Tuesday 21<sup>st</sup> March 2017

07:30 - 10:30 hrs	IVF Introduction <ul style="list-style-type: none"> <li>a) Freshly harvested sperm – Demonstration</li> <li>b) Sperm retained in epididymides (Lifer) – Practical</li> <li>c) Harvest oocytes – Demonstration followed by practical</li> <li>d) Sperm frozen in LN<sub>2</sub> (Practical)</li> <li>e) Sperm held on dry-ice (Demonstration)</li> </ul>
10:30 – 11:00 hrs	<b>TEA AND COFFEE</b>
11:00 – 12:30 hrs	Embryo handling (Practical)
12:30 – 13:30 hrs	<b>LUNCH</b>

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13:30 – 15:00 hrs	Wash IVF (Demonstration followed by practical)
15:00 – 16:00 hrs	Managing the Archive (Discussion)
16:00 – 16:30 hrs	Recap/Review
19:30 hrs	<b><i>COURSE DINNER</i></b>

### **Day 3 - Wednesday 22<sup>nd</sup> March 2017**

08:00 – 09:30 hrs	Score IVF (Demonstration followed by practical)
09:30 - 10:30 hrs	Embryo Vitrification Introduction (Demonstration)
10:30 – 11:00 hrs	<b><i>TEA AND COFFEE</i></b>
11:00 – 13:00 hrs	Embryo Freezing – Vitrification (Practical)
13:00 – 14:00 hrs	<b><i>LUNCH</i></b>
14:00 – 15:00 hrs	Thawing embryos (Demonstration followed by practical)
15:00 – 16:00 hrs	a) Media Preparation b) Pulling Pipettes (Demonstration and discussion)
16:00-16:30 hrs	Recap/review

### **Day 4 – Thursday 23<sup>rd</sup> March 2017**

08:30 – 09:00 hrs	Thawing embryos from controlled slow cooling method (Demonstration)
09:30 – 10:00 hrs	Non- Surgical Embryo Transfer – TCET (Demonstration)
10:00 – 10:30 hrs	<b><i>TEA AND COFFEE</i></b>
10:30- 11:30 hrs	Surgical Embryo Transfer (Demonstration)
11:30 – 12:30 hrs	Recap/review course