

Embryo Handling and Cryopreservation of the Mouse

Basic/optional embryo handling course

Monday 16th May

Morning

Embryo handling, drawing pipettes,

Afternoon

Demonstration of embryo transfer and oestrus detection

Main cryo-preservation course

Tuesday 17th May

8:30-9:00 Arrival and registration
9:00-10:00 Introductory lecture, including coffee and discussion
10:00 –11:30 Embryo harvesting
11:30 – 12:30 Load embryo straws and set up embryo freeze

Lunch 12:30 –13:30

13:30 – 15:00 Thaw out embryo straws
15:00 – 15:15 Coffee
15:15 – 16:30 Set up for Wednesdays IVF session

COURSE DINNER

Wednesday 18th May

8:00 – 10:00 Perform IVF
10:00 – 10:30 coffee
10:30 – 12:30 Sperm harvesting/dispersal and sperm freezing

Lunch 12:30 –13:30

13:30 – 15:00 Thawing sperm
15:00- 15:15 coffee
15:15 – 15:45 Preparation of cryo-protective agent used for sperm freezing
15:45 – 16:30 Wash IVF zygotes

Thursday 19th May

8:00 – 10:00 Score IVF embryos, plus hyaluronidase treatment of embryos
10:00 – 10:30 coffee
10:30 –12:30 Load embryo straws and set up a second freeze session and recap/review course