1st Practical Course on Mouse Assisted Reproductive Techniques (MART)  
May 6-17, 2019  
Instituto Gulbenkian de Ciência, Oeiras/Portugal

Daily Schedule

Week 1

Monday, May 6, 2019

09h00 – 10h00  Welcome and Introduction, Antonio Xavier meeting room/Library Building
10h00 – 12h30 Assisted Reproduction Techniques, Antonio Xavier meeting room/Library Building
12h30 – 14h00 Lunch
14h00 – 17h00 Materials and Media Preparation
17h00 – 18h00 Hormones Injection

Tuesday, May 7, 2019

08h30 - 10h30  IVF Demonstration
10h30 – 12h30 Oviducts, Oocytes, Epididymis, and Sperm Collection
12h30 – 14h00 Lunch
14h00 – 15h30 IVF Demonstration Embryo wash
15h30 – 17h30 Oocytes Manipulation
**Wednesday, May 8, 2019**

- 9h00 – 10h30  
  Embryo Freezing Demonstration (Slow method and Vitrification)

- 10h30 – 12h30  
  Vasectomy/Collection 1 epididymis

- 12h30 – 14h00  
  Lunch

- 14h00 – 15h30  
  Sperm Freezing Demonstration

- 15h30 – 17h00  
  Embryo Transfer Demonstration

- 17h00 – 18h00  
  Hormones Injection, Matings (♀ x ♂)

**Thursday, May 9, 2019**

- 08h30 – 11h00  
  IVF Fresh Sperm

- 11h00 – 12h30  
  Embryo Thawing Demonstration, Slow method and Vitrification

- 12h30 – 14h00  
  Lunch

- 14h00 – 15h30  
  IVF Embryo wash

- 15h30 – 17h30  
  Embryo Transfer

**Friday, May 10, 2019**

- 09h00 – 10h30  
  Embryo Freezing (Slow method)

- 10h30 – 12h30  
  Flushing 2 Cell Embryos Demonstration

- 12h30 – 14h00  
  Lunch

- 14h00 – 15h30  
  Embryo Thawing

- 15h30 – 17h30  
  Embryo Transfer
Week 2

Monday, May 13, 2019

09h00 – 09h30  Welcome
10h00 – 11h00  Oviducts, Oocytes, Epididymis, and Sperm Collection
11h00 – 12h00  Oocytes Manipulation
12h00 – 14h00  Lunch
14h00 – 15h00  Q & A
15h00 – 17h00  Sperm Freezing
17h00 – 18h00  Hormones Injection

Tuesday, May 14, 2019

08h30 - 10h30  IVF Fresh Sperm
10h30 – 12h30  Oocytes Vitrification
12h30 – 14h00  Lunch
14h00 – 15h30  IVF Embryo wash
15h30 – 17h30  Flushing 2 Cell Embryos, Incubation
17h00 – 18h00  Hormones Injection

Wednesday, May 15, 2019

08h30 - 10h30  IVF Frozen Sperm
10h30 – 12h30  Embryo Freezing (Slow method)
12h30 – 14h00        Lunch
14h00 – 15h30        IVF Embryo wash
15h30 – 17h00        Embryo Transfer
17h00 – 18h00        Hormones Injection, Matings ($♀×♂$)

**Thursday, May 16, 2019**

08h30 – 11h00        IVF Fresh and Frozen Sperm, with Frozen Oocytes
11h00 – 11h30        Copulatory Plug Check from Matings
11h30 – 12h30        Embryo Thawing, Slow method
12h30 – 14h00        Lunch
14h00 – 15h30        IVF Embryo wash
15h30 – 17h30        Embryo Transfer

**Friday, May 17, 2019**

09h00 – 10h30        Embryo Freezing (Vitrification)
10h30 – 12h30        Flushing 2 Cell Embryos
12h30 – 14h00        Lunch
14h00 – 15h30        Embryo Thawing, Vitrification
15h30 – 17h30        Embryo Transfer
17h30 – 18h00        Closing remarks & Farewell

*All practical lectures will take place in the Teaching lab/Library building.*
## Schedule Overview

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(T) Theoretical, (P) Practical, (TP) Theoretical and Practical, (V) Vitrification.
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