



Basic training on maintenance of Pluripotent Stem Cells

8th September, Thursday Day 1

Morning Session 10:00 - 11:00

1. INTRODUCTION TO PLURIPOTENT STEM CELLS AND REPROGRAMMING

2. INTRODUCTION TO METHODS FOR WORKING WITH HUMAN PLURIPOTENT STEM CELLS

Questions

Afternoon session 13:00 - 16:00

3. Media preparation and surface coatings

Video: Geltrex coating

Video: Vitronectin coating

4. Culture in defined conditions

Video: Maintenance of hPSC in E8

5. Passaging methods

Video: Single cell passaging by TrypLE

Video: Clump passaging

6. Cryopreservation/ Banking

Video: Freezing

Video: Thaw



9th September, Friday Day 2

CHARACTERIZATION AND QUALITY CONTROL OF PLURIPOTENT STEM CELLS

- a. Morphology
- b. Markers
- c. Potency
- d. Control (sterility/mycoplasma, identity, genetic integrity)
- e. Banking

Talk (To be announce later)

4. OPEN QUESTIONS