

Human pluripotent stem cell workshop

26th and 27th September 2011

School of Medicine, University of Western Sydney, Campbelltown

Day 1: Maintenance of human pluripotent stem cells (hPSCs)

9:00 – 10:00 Seminar

- Dr. Michael O'Connor: Pluripotent stem cell culture techniques

10:15 – 11:30 Laboratory component

1. hPSC colony morphology
2. Matrigel coating
3. Thaw cells (*time permitting*)

11:30 – 12:00 Lunch break

- lunch to be provided

12:00 – 4:00 Laboratory component

1. Passage hPSCs
2. Freezing hPSCs

Day 2: Differentiation of hPSCs

9:00 – 10:00 Discussion

- Dr. Michael O'Connor: Differentiation techniques for pluripotent stem cells

10:15 – 12:00 Laboratory component

1. Assessment of passaged hPSCs
2. Changing media
3. EB morphology time-course
4. Embryoid body (EB) formation

12:00 – 12:30 Lunch break

- lunch to be provided