BSc in Reproductive & Developmental Sciences

Module 2 timetable

(12 Nov – 14 Dec 2012)

|  |
| --- |
| Pre-implantation development & IVF |

Week 1

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Mon 12 Nov | Tues 13 | Weds 14 | Thurs 15 | Fri 16 |
| 10.30 - 12.00**Cell Biology of Preimplantation Development****Kate Hardy****CWBS1&2** | 10.00 - 12.00: **Environmental regulation of Preimplantation Development****Kate Hardy****CWBS1&2** | **10.00****The fundamentals of Assisted Reproduction: similarities and differences of the main methods.  Lisa WebberWEC LIII** | **09.45****An introduction to Preimplantation Genetic Diagnosis****Stuart Lavery****CWBS7** |  |
| **12.15****General and clinical aspects of prostate cancer** **Paul Abel****CWBS1&2** |  | **11.00****Successes and failures: what works (or does not work) and why.****Lisa Webber****WEC LIII** | **11.00****Review and discussion session****Mark Sullivan****CWBS7** |  |
|  |  |  |  |  |
| 14.00 - 16.00: **Human Preimplantation Development****Kate Hardy****WEC-SRII** | 14.00-15.30: **Ageing and Reproduction****Kate Hardy****CWBS1&2** |  | **CWBS7** |  |

In-course work: Write an article (500 words or less) on any aspect of pregnancy for a **national newspaper**. Identify the newspaper in which the article will appear.

General notes:

CWB = Commonwealth building basement

WEC = Wolfson education centre (contains all lecture theatres)

Standard times shown in left column – exceptions shown for each lecture

Week 2

|  |
| --- |
| Human pregnancy |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Mon 19 Nov | Tues 20 | Weds 21 | Thurs 22 | Fri 23 |
| 9.45 | **Human pregnancy: overview-I****Mark Sullivan****CWBS1&2** | **Placental development-I****Mark Sullivan****CWBS1&2** | **Fetal development & mechanisms-I****Mark Sullivan****CWBS8** | **Growth factors in placenta****Mark Sullivan****LTIII** |  |
| 11.00 | **Human pregnancy: overview-II****Mark Sullivan****CWBS1&2** | **Mark Sullivan****Placental development-II****CWBS1&2** | **Fetal development & mechanisms-II****Mark Sullivan****CWBS8** | **Biology of fetal membranes****Mark Sullivan****LTIII**  |  |
|  |  |  |  |  |  |
| 14.00 | Placental vasculatureRuwan Wimalasundera **CWBS1&2** |  |  |  |   |
|  |  |  |  |  |  |

Week 3

|  |
| --- |
| Human pregnancy |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Mon 26 Nov | Tues 27 | Weds 28 | Thurs 29 | Fri 30 |
|  |  |  | 9.00Multiple pregnancySailesh Kumar**WEC-SV** |  |  |
| 9.45 | **Trophoblastic disease****Rosemary Fisher****CWBS1&2** |  | **10am****Fetal effects of maternal disease****Catherine Williamson & Dagmar Tapon****WEC-SV** | **Pre-eclampsia-I****Mark Sullivan** **WEC-LTIII** |  |
| 11.00 | **Stress of pregnancy on the maternal system.****Ruth Curry** **CWBS1&2** |  | WEC-SV | **Pre-eclampsia-II****Mark Sullivan** **WEC-LTIII** |  |
|  |  |  |  |  |  |
| 14.00 | **Causes of term & preterm labour.****Vasso Terzidou****CWBS1&2** |  |  |  |  |
| 15.00 | **Labour – 2 (mechanisms)****Vasso Terzidou****CWBS1&2** |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  | **11pm Submission deadline** |

Deadline for submission of non-essay work. ‘Pregnancy’ – 11 pm on Friday 30 November

Week 4

|  |
| --- |
| Stem cell biology |
| Human pregnancy |
| The human brain in pregnancy and early neonatal life |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Mon 3 Dec | Tues 4 | Weds 5 | Thurs 6 | Fri 7 |
|  | **9.30 – 11.00****Stem cells & regenerative medicine** **Wei Cui****WEC SRIII** | **10am\*\*****Essential immunology****Andrew George****IRDB** |  | **10.00****Adult vs embryonic stem cell for cardiac repair.****Sian Harding** WEC SRIII | **10.00****Somatic cell re-programming (1.5h)****Wei Cui****WEC SRII** |
|  | 11.15-12.15Mesenchymal stem cells: origin and features Pascale GuillotWEC SRIII | **Immunology of pregnancy****Andrew George****IRDB** |  | **11.15****Epigenetic signature & stem cell potency****Veronique Azuara**WEC SRIII | **11.30****Discussion session with Mark Sullivan****WEC SRII** |
|  |  |  |  |  |  |
|  | 1-2pm Mesenchymal stem cell: applicationsPascale GuillotdiscussionWEC SRIII |  |  | **1-2** **Perinatal glucocorticoid priming****Chris John****WEC SRI** |   |
|  |  |  |  | **2-3****Programming****Vivette Glover** **WEC SR1** |  |
|  |  |  |  |  |  |

\*\*: joint teaching with MSc course.