BSc in Reproductive & Developmental Sciences

Module 2 timetable

(12 Nov – 14 Dec 2012)

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| Pre-implantation development & IVF |

Week 1

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| 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 Webber WEC 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** |  |
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| 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

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| Human pregnancy |

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|  | 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** |  |
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| 14.00 | Placental vasculature  Ruwan Wimalasundera  **CWBS1&2** |  |  |  |  |
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Week 3

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| Human pregnancy |

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|  | Mon 26 Nov | Tues 27 | Weds 28 | Thurs 29 | Fri 30 |
|  |  |  | 9.00  Multiple pregnancy  Sailesh 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** |  |
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| 14.00 | **Causes of term & preterm labour.**  **Vasso Terzidou**  **CWBS1&2** |  |  |  |  |
| 15.00 | **Labour – 2 (mechanisms)**  **Vasso Terzidou**  **CWBS1&2** |  |  |  |  |
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|  |  |  |  |  | **11pm Submission deadline** |

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

Week 4

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

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|  | 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** |
|  | 11.15-12.15  Mesenchymal stem cells: origin and features  Pascale Guillot  WEC 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** |
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|  | 1-2pm  Mesenchymal stem cell: applications  Pascale Guillot  discussion  WEC SRIII |  |  | **1-2**  **Perinatal glucocorticoid priming**  **Chris John**  **WEC SRI** |  |
|  |  |  |  | **2-3**  **Programming**  **Vivette Glover**  **WEC SR1** |  |
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\*\*: joint teaching with MSc course.