Module 1: Hormone dependent systems & cancers: gynaecology and endocrinology (Reproductive & Developmental Sciences)

Leaders: Mark Sullivan (RDS), Amir Sam (Endo)

Subsections:

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| Reproductive endocrinology | Stephen Franks, Mandy Donaldson |
| Endocrine Cancers | Sadaf Ghaem-Maghami, |
| Gametogenesis & Fertilisation | Kate Hardy, Kevin Lindsay |
| Female health – an endocrine perspective | Stephen Franks |

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| Joint teaching with Endocrinology course |  |

8 Oct – 9 Nov

**Week 1: 8 Oct**

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|  |  | Rep Dev Sci |
| Mon |  |  |
| WEC SRIV | 11am | Introduction  Mark Sullivan |
| WEC SRIII & IV | 1pm | Hormones & cancer: Cancer basics  Ian Godsland |
| WEC SRIII & IV | 2pm | Hormones & cancer: Cancer therapy basics  Ian Godsland |
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| Tues |  |  |
| WEC SRIII & IV | 10am | Cancer and Hormones - Growth factors and tumour susceptibility genes  Ian Godsland |
| CWB S1&2 | 11.15am | How does gene regulation control gene expression?  Mark Christian |
| Library | 1.30 | Library training session (23) |
|  |  |  |
| Weds |  | Self-directed learning |
|  |  |  |
| Thurs |  |  |
| WEC LT2 | 3 | Cell adhesion and angiogenesis  Mark Sullivan |
| WEC LT2 | 4 | Tyrosine kinases as drug targets in cancer  Nick Dibb |
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| Fri |  | Self-directed learning |
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**Week 2 – 15 Oct**

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| Endocrine Cancers | Sadaf Ghaem-Maghami, |

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| Joint teaching with Endocrinology course |  |

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| Mon |  |  |
| Cockburn LT SMH | 9.30 | Nuclear Receptors – The nuclear receptor superfamily  Ian Godsland |
| Cockburn LT SMH | 10.30-11.15 | Nuclear Receptors – steroid receptors & their antagonists  Ian Godsland |
| Cockburn LT SMH | 11.30-12.30 | The Science behind HRT  Dr John Stevenson |
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| Tues |  |  |
| WEC SRI & II | 9.30 | Oestrogen receptors  Simak Ali |
| WEC SRI & II | 10.45 | Endometrial cancer  Sadaf Ghaem-Maghami |
| WEC SRI & II | 11.30 | Progesterone receptors  Jaya Nautiyal |
| LT2 | 1.15 | Vaccines and immunotherapy in gynaecological cancer  Sadaf Ghaem-Maghami |
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| Weds |  | Self-directed learning |
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| Thurs |  |  |
| LT1 | 9.00 | Prolactin  Mandy Donaldson |
| LT1 | 10-11 | Pathology of breast cancer  Lecturer to be confirmed |
| LT1 | 11-12 | Molecular and cellular pathways leading to prostate cancer  Charlotte Bevan |
| LT1 | 1-2 | Progesterone signalling in breast and endometrial cancer  Laki Buluwela |
| WEC SRIII & IV | 2.15 | Control of steroid hormone production  Steve Franks |
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| Fri |  |  |
| WEC LT2 | 9am | Radiotherapy  Ed Park |
| WEC SRI | 10.15 | Epigenetics and Cancer 1  Constanze Zeller |
| WEC SRI | 11.30 | Epigenetics and Cancer 2  Nabil Hajji |
| WEC SRIII | 13.00 | Critical review feedback  Mark Sullivan |

**Week 3 – 22 Oct**

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| Endocrine Cancers | Sadaf Ghaem-Maghami, |

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| Reproductive endocrinology | Stephen Franks, Mandy Donaldson |

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| Mon | |  |  |
| LT1 | | 10 | Cervical & vaginal cancer  Maria Krygiou |
| LT1 | | 11 | General and clinical aspects of prostate cancer  Paul Abel |
| HH | 1 | | Control of gonadotrophin production  Ilpo Huhtaniemi |
| HH | 2 | | Gonadotrophin action and resistance  Ilpo Huhtaniemi |
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| Tues | |  |  |
| CWBS 1&2 | | 10 | Ovarian cancer  Peter Mason (TBC) |
| CWBS 1&2 | | 11 | Molecular profiling  Euan Stronach |
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| Weds | |  | Self-directed learning |
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| Thurs | |  | Self-directed learning |
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| Fri | |  | Self-directed learning |
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|  | |  | **Abstract deadline 11pm** |
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**Week 4 – 29 October**

**Subsections:**

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| Endocrine Cancers | Sadaf Ghaem-Maghami, |
| Gametogenesis & Fertilisation | Kate Hardy, Kevin Lindsay |
| Female health – an endocrine perspective | Stephen Franks |

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| Mon |  |  |
| HH | 11 | Imaging  Syed Babar |
| HH | 1 | Chemotherapy  Sarah Blagden |
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| LT2 | 2.15 | Anovulation  Stephen Franks |
| LT2 | 3.15 | Endocrine disorders and reproduction  Stephen Franks |
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| Tues |  |  |
| LT2 | 12.30 | Advances in HRT  Etienne Horner |
| LT2 | 13.00 | Premature ovarian insufficiency  Dr Nick Panay |
| HH | 2.15 | Spermatogenesis  Sheba Jarvis |
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| Weds |  |  |
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| Thurs |  |  |
| WEC SR2 | 10 | Development of the Ovary  Kate Hardy |
| WEC SR2 | 11 | Follicle Development  Kate Hardy |
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| Fri |  |  |
| LT2 | 10 | Oogenesis  Kate Hardy |
| LT2 | 11 | Genesis of aneuploidy  Nobu Kudo (TBC) |
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**Week 5: 5 November**

**Subsections:**

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| Female health – an endocrine perspective | Stephen Franks |
| Joint teaching with Endocrinology course |  |
| Gametogenesis & Fertilisation | Kate Hardy, Kevin Lindsay |

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| Mon |  |  |
| Cockburn LT | 11am | Screening and pre-invasive disease  Richard Smith |
| Cockburn LT | 2pm | PTH disorders and calcium sensing recept  Jeremy Cox |
| Cockburn LT | 3.15pm | Pathophysiology of osteoporosis  Jeremy Cox |
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| Tues |  |  |
| Bannister LT | 11am | Bisphosphonates and statins  Dr M Schachter |
| AdR LT | 2 | Molecular mechanisms of bone remodelling  Jeremy Cox |
| AdR LT | 3.30 | Thyroid function in pregnancy  Stephen Robinson |
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| Weds |  |  |
| HH |  | Sperm transport  Kevin Lindsay |
| HH |  | Fertilisation  Kevin Lindsay |
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| Thurs |  |  |
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| SMH  O&G Dept  Pinker Room | 1.30pm – 5pm | Anatomical changes and menopause: The lower urinary tract and the menopause  Mr Vik Khullar & Team |
| Drug treatment of lower urinary disorders  Mr V Khullar |
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| Fri |  |  |
|  |  | **Essay deadline 11pm** |
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