

| Cell and Tissue Biology | | | | | | |
|---|-----|----|----|----------|--|-----------------|
| Thu | Oct | 4 | 1 | 9:00 AM | Cell morphology * | D'Avino |
| Sat | Oct | 6 | 2 | 9.00 AM | Tissue morphology * | D'Avino |
| Tue | Oct | 9 | 3 | 9:00 AM | Cell cycle regulation I * | Laman |
| Wed | Oct | 10 | | 9:00 AM | Data interpretation session for all options | Trotter |
| Thu | Oct | 11 | 4 | 9:00 AM | Cell cycle regulation II * | Laman |
| Sat | Oct | 13 | 5 | 9:00 PM | Mechanics and control of cell division I * | D'Avino |
| Tue | Oct | 16 | 6 | 9:00 AM | Mechanics and control of cell division II * | D'Avino |
| Wed | Oct | 17 | 7 | 4.00 PM | Stem cells I * | Rawlins |
| Thu | Oct | 18 | 8 | 9:00 AM | Stem cells II * | Rawlins |
| Thu | Oct | 18 | 9 | 2:00 PM | Life and death of cells I * | Watson |
| Tue | Oct | 23 | 10 | 9:00 AM | Life and death of cells II* | Watson |
| Genomic Approaches to Disease | | | | | | |
| <i>Organisation and Mapping of the Genome</i> | | | | | | |
| Wed | Oct | 24 | 11 | 4.00 PM | What makes a genome? | Skinner |
| Thu | Oct | 25 | 12 | 9:00 AM | How do genomes evolve? | Skinner |
| Sat | Oct | 27 | 13 | 9:00 AM | How do genomes differ? | Sargent |
| Tue | Oct | 30 | 14 | 9:00 AM | What chromosome studies tell us about disease | Skinner |
| Thu | Nov | 1 | 15 | 9:00 AM | Mapping disease genes for simple disorders | Sargent |
| Fri | Nov | 2 | 16 | 4.00 PM | Complex disorders: populations and pedigrees (I) | Sargent |
| Sat | Nov | 3 | 17 | 9:00 AM | Non-coding RNA | Enright |
| Tue | Nov | 6 | 18 | 9:00 am | Sex chromosome specialisation and disease | Sargent/Skinner |
| <i>Rare Diseases</i> | | | | | | |
| Weds | Nov | 7 | 19 | 4.00 PM | Next generation sequencing approaches to rare diseases | Enright |
| <i>Neurodegenerative Disease</i> | | | | | | |
| Thu | Nov | 8 | 20 | 9:00 AM | Introduction to autophagy | Rubinsztein |
| | | | 21 | 10.00 AM | Autophagy and neurodegeneration | Rubinsztein |
| <i>Chromatin Regulation and Epigenetics</i> | | | | | | |
| Tue | Nov | 13 | 22 | 9.00 AM | Non-Mendelian inheritance | Quilter |
| Thu | Nov | 15 | 23 | 9.00 AM | Epigenetic Disease | Quilter |
| Fri | Nov | 16 | 24 | 4.00 PM | The developmental origins of disease | Ozanne |
| Tue | Nov | 20 | 25 | 9:00 AM | Chromatin structure and expression | Bannister |
| Thu | Nov | 22 | 26 | 9:00 AM | Long-range regulation of gene transcription | Bannister |
| Tue | Nov | 27 | 28 | 9:00 AM | DNA methylation and gene activity | Constancia |
| Thu | Nov | 29 | 29 | 9.00 AM | Genomic imprinting: lessons from mouse models | Constancia |

| Molecular and Cell Biology of Cancer | | | | | | |
|---|-----|----|----|---------|---------------------------------|--------|
| <i>Oncogenes and Tumour Suppressors</i> | | | | | | |
| Tue | Jan | 15 | 30 | 9:00 AM | Tumour suppressors * | Laman |
| Wed | Jan | | | | Tutorial session on MT topics | |
| Fri | Jan | 18 | 31 | 4.00 PM | Oncogenic pathways I * | Watson |
| Sat | Jan | 19 | 32 | 9:00 AM | Oncogenic pathways II * | Watson |
| Tue | Jan | 22 | 33 | 9:00 AM | Cell senescence and telomeres * | Narita |

| <i>The Cancer Genome</i> | | | | | | |
|--|-----|----|----|----------|---|---------|
| Thu | Jan | 24 | 34 | 9:00 AM | Investigating the cancer genome * | Edwards |
| Sat | Jan | 26 | 35 | 9:00 AM | What mutations drive carcinomas?* | Edwards |
| Tue | Jan | 29 | 36 | 9:00 AM | Transcription factors and transcription networks in cancer* | Carroll |
| Thu | Jan | 31 | 37 | 9:00 AM | Nuclear receptors in cancer * | Carroll |
| Sat | Feb | 2 | 38 | 9:00 AM | Epigenetics in cancer I * | Vire |
| Tue | Feb | 5 | 39 | 9:00 AM | Epigenetics in cancer II * | Vire |
| Thu | Feb | 7 | 40 | 9:00 AM | Micro RNAs in cancer * | Murray |
| Sat | Feb | 9 | 41 | 9:00 AM | Genomic instability I * | D'Avino |
| Tue | Feb | 12 | 42 | 9:00 AM | Genomic instability II | D'Avino |
| Thu | Feb | 14 | 43 | 9:00 AM | Genomic instability III * | D'Avino |
| <i>Cancer Examples and Models</i> | | | | | | |
| Fri | Feb | 15 | 44 | 14:00 PM | Models of Cancer I * | Turner |
| Sat | Feb | 16 | 45 | 9:00 AM | Models of Cancer II * | Turner |
| Thu | Feb | 21 | 46 | 9:00 AM | Hereditary Cancer I * | Maher |
| Fri | Feb | 22 | 47 | 3:00 PM | Hereditary Cancer II * | Maher |
| Thu | Feb | 28 | 49 | 9:00 AM | The tumour microenvironment * | Shields |
| Fri | Mar | 1 | 48 | 1:00PM | Stem cells and cancer | Huntly |
| Sat | Mar | 2 | 50 | 9:00 AM | Inter and Intra-tumour heterogeneity * | Bruna |
| Tue | Mar | 5 | 51 | 9:00 AM | Paediatric Cancer I * | Coleman |
| Thu | Mar | 7 | 52 | 9:00 AM | Paediatric Cancer II * | Coleman |
| Sat | Mar | 9 | 53 | 9:00 AM | Oesophageal adenocarcinoma * | Contino |
| Tue | Mar | 12 | 54 | 9:00 AM | Haematopoietic cancers: Lymphoma * | Du |
| Thu | Mar | 14 | 55 | 9:00 AM | Invasion and Metastasis * | Bruna |

| <i>Easter Term</i> | | | | | | |
|---------------------------|-----|----|--|----------|--------------------------------------|--|
| Tue | Apr | 30 | | 10:00 AM | Project Presentations (Seminar Room) | |