

Appendix A

Course Modules 2017-2018

- Scientific Exposition & Ethics (mandatory) (Fri. Sept 15 – Oct 27)
- Introductory Biostatistics (mandatory) (Mon. Nov 6 – Dec 18)
- Biostatistics II: Data Science (Mon. Jan 8 – Feb 19)

Biology	Physics
<ul style="list-style-type: none"> • Tumour Microenvironment (Thur. Sept 14 – Oct 26) • Radiation Biology and DNA Repair (Mon. Oct 30 – Dec 11) • Epigenetics (Thur. Nov 2 – Dec 14) • Development, Stem Cells and Cancer (Mon. Jan 8 – Feb 19) • Cancer Immunotherapy (Thur. Mar 1– Apr 19) • Clinical & Experimental Radiobiology I & II (Mon. Apr. 9 – Apr. 13, inclusive full day. Equivalent to 2 modules) 	<ul style="list-style-type: none"> • Medical Device Innovation and Entrepreneurship (Thur. Sept 7 – Dec 14) • Overview of Medical Imaging (Wed. Sept 13 – Oct. 25) • Biophysics of Focused Ultrasound (Tue. Nov 7 – Dec 19) • Ultrasound Overview (Wed. Jan 10 – Feb 21) • Advanced Magnetic Resonance imaging (Wed. Nov 8 – Dec 20) • Introduction to Bio-Microscopies (Tue. Jan 9 – Feb 20) • Biological Imaging (Thur. Jan 11 – Feb 22) • Advanced Ultrasound (Wed. Feb 28 – Apr. 18) • Cell Biology for Physical Scientists (Spring 2018) • Clinical Imaging for Physical Scientists (Mon. Mar. 5 – Apr. 23) • Magnetic Resonance Imaging – Overview (Tues. Mar 6 - Apr 24) • Biophotonics (Fri. Mar. 9 – Apr 27)

The following modules are planned for 2018-2019.

- Scientific Exposition & Ethics
- Introductory Biostatistics
- Biostatistics II: Data Science

Biology	Physics
<ul style="list-style-type: none"> • Cell Signaling & Metabolism • Cell Biology & Cancer Models • Quantitative Cancer Genomics • Predictive Oncology & Therapeutics • Structural Biology & Proteomics • Clinical & Experimental Radiobiology I & II 	<ul style="list-style-type: none"> • Medical Device Innovation and Entrepreneurship • Overview of Medical Imaging • Cell & Molecular Biology for Physicists - Introduction • Introduction to Biophotonics • Biophysics of Focused Ultrasound & Thermal Therapy • Advanced Magnetic Resonance Imaging • Introduction to Bio-Microscopies • Clinical Imaging for Physical Scientists • Nanotechnology for Medicine • Biological Imaging • Magnetic Resonance Imaging – Overview • Ultrasound – Overview