

L	Date	Lecture topic	Lecturer
1	January, Monday 22 nd	Interactions of photons and particles with tissue	Sarah Bohndiek <i>Physics & CRUK CI</i>
2	January, Wednesday 24 th	Image quality and standardisation	Sarah Bohndiek <i>Physics & CRUK CI</i>
<i>Imaging with non-ionising radiation</i>			
3	January, Monday 29 th	Magnetic resonance imaging Part I: Physics	Martin Graves <i>Radiology</i>
4	January, Wednesday 31 st	Magnetic resonance imaging Part II: Hardware	Martin Graves <i>Radiology</i>
5	February, Monday 5 th	Magnetic resonance imaging Part III: Applications and Safety	Martin Graves <i>Radiology</i>
6	February, Wednesday 7 th	Ultrasound Part I: Physics and Hardware	Sarah Bohndiek <i>Physics & CRUK CI</i>
7	February, Monday 12 th	Ultrasound Part II: Applications and Safety	Sarah Bohndiek <i>Physics & CRUK CI</i>
<i>Imaging with ionising radiation</i>			
8	February, Wednesday 14 th	Radiation safety	Bethany Gillett
9	February, Monday 19 th	Ionising radiation generation	Sarah Bohndiek <i>Physics & CRUK CI</i>
10	February, Wednesday 21 st	Ionising radiation detection	Sarah Bohndiek <i>Physics & CRUK CI</i>
11	February, Monday 26 th	Imaging with X-rays: planar and CT	Sarah Bohndiek <i>Physics & CRUK CI</i>
12	February, Wednesday 28 th	Imaging with gamma rays: Planar scintigraphy, PET and SPECT	Sarah Bohndiek <i>Physics & CRUK CI</i>
<i>The radiology perspective</i>			
13	March, Monday 5 th	<i>Note: this lecture is non-examinable</i>	Ferdia Gallagher <i>Radiology</i>
<i>Physics beyond medical imaging</i>			
14	March, Wednesday 7 th	Physiological sensing	Ari Ercole <i>Critical Care</i>
15	March, Monday 12 th	Radiotherapy Part I: Photons	Simon Thomas <i>Radiotherapy Physics</i>
16	March, Wednesday 14 th	Radiotherapy Part II: Photons and Protons	Simon Thomas <i>Radiotherapy Physics</i>

All lectures are held in the Small Lecture Theatre at the Cavendish Laboratory 2-3pm.