

NUCLEAR MEDICINE COURSE, 10-13 MARCH 2020

**2nd Floor Meeting Rooms, Brookes Lawley Building, Institute of Cancer Research,
15 Cotswold Road, Belmont, Sutton,
Surrey SM2 5NG**

	Tuesday 10 March Radionuclides & radiation protection Registration and Coffee & course introduction <i>Dr Glenn Flux</i>		Wednesday 11 March Gamma camera imaging LECTURE 7 The Gamma Camera <i>Mr Bruno Rojas</i>	Thursday 12 March PET/CT LECTURE 15 Principles of CT imaging <i>Mr Lawrence King</i>	Friday 13 March Internal dosimetry LECTURE 22 Introduction & the MIRD schema <i>Dr Manuel Bardies</i>
09:30 – 10:15		09:30 – 10:15			
10:15 – 11:00	LECTURE 1 Physics for Nuclear Medicine <i>Dr Allison Craig</i>	10:15 – 11:00	LECTURE 8 Nuclear Medicine Imaging Techniques <i>Dr Jonathan Gear</i>	LECTURE 16 PET Instrumentation <i>Dr Iain Murray</i>	LECTURE 23 Quantitative imaging <i>Dr Antigoni Divoli</i>
11:00 – 11:15	LECTURE 2 The Future of Nuclear Medicine <i>Dr Nabil Hujairi</i>	10:15 – 11:00	<i>Coffee</i>	<i>Coffee</i>	<i>Coffee</i>
11:15 – 12:00		11:15 – 12:00	LECTURE 9 SPECT Imaging <i>Dr Jonathan Gear</i>	PET Instrumentation (cont)	LECTURE 24 Absorbed Dose Calculation Algorithms <i>Dr Manuel Bardies</i>
12:00 – 12:45	LECTURE 3 Radionuclide production <i>Dr Joselin Tan</i>	12:00 – 12:45	LECTURE 10 Iterative reconstruction <i>Dr Iain Murray</i>	LECTURE 17 PET Tracer production & molecular targeting <i>Dr Graham Smith</i>	LECTURE 25 Applications of internal dosimetry <i>Dr Jonathan Gear</i>
12:45-14:00	<i>Buffet lunch (provided)</i>	12:45-14:00	<i>Lunch</i>	<i>Lunch</i>	12:45 – 13:45 <i>Lunch</i>
14:00 – 15:00	LECTURE 4 Radiopharmaceuticals <i>Joselin Tan</i>	14:00 – 14:45	LECTURE 11 Radiation Protection in Nuclear Medicine Therapy <i>Brenda Pratt</i>	LECTURE 18 Clinical Aspects of Nuclear Medicine <i>Dr Daniel Levine</i>	LECTURE 26 (13:45-14:45) Radiobiology for MRT <i>Dr Nadia Falzone</i>
15:00-15:30	LECTURE 5 Radiation detectors	14:45 – 15:30	LECTURE 12A Quality Control and performance assessment of gamma camera systems <i>Allison Craig</i>	LECTURE 19 Principles of Tracer Kinetics <i>Dr Federico Turkheimer</i>	LECTURE 27 Dosimetry in Emerging Clinical Therapies <i>Dr Allison Craig</i>
15:30 – 15:45	<i>Tea</i>	15:30 – 15:45	<i>Tea</i>	<i>Tea</i>	<i>Tea</i>
15:45 – 16:15	<i>Dr Dimitra Darambara (cont)</i>	15:45 – 16:30	LECTURE 13 Image Processing Techniques <i>Dr Iain Murray</i>	LECTURE 20 PET in Radiotherapy <i>Dr Iain Murray</i>	LECTURE 28 Practical Session <i>Dr Glenn Flux</i>
16:15 – 17:00	LECTURE 6 Radiation Protection in Nuclear Medicine <i>Jim Thurston</i>	16:30 – 17:15	LECTURE 14 Advances in Gamma Camera Technology <i>Mr Bruno Rojas</i>	LECTURE 21 Advances in PET Technology <i>Dr Iain Murray</i>	LECTURE 29 Treatment planning, course close <i>Dr Glenn Flux</i>
	Optional Tour of Nuclear Medicine Department				