

Practical radiobiology for modern everyday radiotherapy
Virtual event
CPD: 4 CREDITS



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This virtual event brings together world experts in giving a refresher for up-to-date key radiobiological principles underlying conventional and modern, altered delivery patterns; and also for practical experience of its use in treatment interruptions, re-treatment tolerances and radiobiologically optimised treatment planning. It will also be a teaching opportunity for radiobiological understanding for the newer treatments which encompass a change in modality and delivery (e.g. particle therapy and dose rate effects).

Programme Organiser

Dr Mike Kirby, Lecturer (Radiotherapy Physics), Director of Studies (MSc in Radiotherapy), University of Liverpool

Join us

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BIR RTO22

Save the date: 31 March - 1 April 2022

This meeting brings together speakers from around the world and national experts too, to share experiences and expertise in a very wide range of aspects for today's cutting-edge radiotherapy and oncology. The event will feature eposters and clips and will give a delegates a chance to showcase their work.

12:45	Welcome and introduction	15:35	Q&A
13:00	The place of radiobiology in modern radiotherapy clinical practice: an overview Professor Bleddyn Jones, Emeritus Professor, Gray Laboratory, Department of Oncology, University of Oxford	15:40	Radiobiology of protons vs photons: Current experiences with tumour cell models Dr Jason Parsons, Senior Lecturer/Research Group Leader, University of Liverpool
13:30	Q&A	16:10	Q&A
13:35	Radiobiology for radiosurgery and SBRT: an update for neurosurgeons and clinical/radiation oncologists Professor John Hopewell, Consultant Radiobiologist, University of Oxford	16:15	Break
14:05	Q&A	16:25	Panel discussion
14:10	Break	16:45	Proffered material: Establishing organ at risk constraints for local clinical protocols Mr Steve Locks, Consultant Clinical Scientist- Radiotherapy Physics, Northern Centre for Cancer Care, Freeman Hospital
14:30	Radiobiologically optimised treatment planning Professor Alan Nahum, University of Liverpool	16:55	Q&A
15:00	Q&A	17:00	Proffered material: Working towards a clinical EQD2 optimisation tool Mr Christopher Pagett, Clinical Scientist, Leeds Teaching Hospitals NHS Trust
15:05	Radiation repair models and their clinical implications Professor Roger Dale, Department of Surgery and Cancer, Faculty of Medicine, Imperial College, London	17:10	Q&A
		17:15	Close of event

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48–50 St John Street, London, EC1M 4DG
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