FUNCTIONAL IMAGING IN RADIOTHERAPY
Venue: Charles Darwin House, London
CPD: 6 CREDITS
Radiotherapy relies heavily on the use of CT, ultrasound, and MRI to plan treatments. Recently, anatomic imaging techniques have been combined to functional imaging modalities that provide additional metabolic information. Such biological data allow more individualised treatments by refining the target volume delineation and the dose prescription.

This one day event will cover the latest advances in the use of functional imaging in radiotherapy that pave the way for the development of more targeted treatments.

It will be of interest to all radiotherapy and imaging professionals, including clinical oncologists, radiologists, radiographers and physicists.

<table>
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<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>09:00</td>
<td>Registration and refreshments</td>
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<tr>
<td>09:30</td>
<td>Welcome and introduction Mr Jamie Dean, PhD Student, The Institute of Cancer Research</td>
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<td>09:45</td>
<td>An introduction to functional imaging modalities and what they can tell us Dr Simon Hughes, Consultant in Radiology and Nuclear Medicine, Nottingham University Hospital</td>
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<td>10:15</td>
<td>An introduction to radiotherapy Mr Chris Bowen, Therapy Radiographer, Plymouth Hospitals NHS Trust</td>
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<td>10:45</td>
<td>Refreshments</td>
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<td>11:15</td>
<td>Radiobiology for radiotherapy Professor Kevin Prise, Professor of Radiation Biology, Queen’s University Belfast</td>
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<td>11:45</td>
<td>Functional MRI and its application to radiotherapy treatment planning Speaker to be confirmed</td>
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<td>12:15</td>
<td>MRI and quality assurance Dr Peter Wright, Principal MR Physicist, Sheffield Teaching Hospitals NHS Foundation Trust</td>
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<td>12:45</td>
<td>Lunch</td>
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<td>13:45</td>
<td>PET-CT and its application to radiotherapy treatment planning Dr Robin Prestwich, Consultant Oncologist, Leeds Teaching Hospitals</td>
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<td>14:15</td>
<td>PET-CT quality assurance Miss Lucy Pike, Clinical Scientist, King’s College London and Guy’s and St Thomas’ PET Centre</td>
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14:45  Radiobiological basis for dose painting
Dr Chris South, Radiotherapy Physicist, Royal Surrey County Hospital

15:15  Refreshments

15:45  Radiotherapy trials utilising functional imaging
Speaker to be confirmed

16:15  Image registration
Dr Rob Ireland, Lecturer in Image Guided Radiotherapy, Western Park Hospital and The University of Sheffield

16:45  Functional imaging for response assessment
Dr Mike Partridge, Senior Group Leader for Radiotherapy Physics, CRUK/MRC Oxford Institute for Radiation Oncology

17:15  Close of event

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BIR Non-Consultant member  £110
BIR Trainee member  £65
BIR Retired/Student member  £55

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Call for abstracts
We are looking for abstracts for poster presentations relating to all areas of medical imaging and radiotherapy, including educational, case reports, audits and research.

Abstracts should be submitted by 5pm on Friday 29 May 2015 online:

http://www.bir.org.uk/education-and-events/call-for-abstracts/
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Venue: Charles Darwin House, London

12 Roger Street, London, WC1N 2JU

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Farringdon (0.8 miles) - Rail, Circle, Metropolitan and Hammersmith & City line
King’s Cross (1.1 miles) - Rail, Northern, Victoria, Piccadilly, Circle, Metropolitan and Hammersmith & City line
Euston (1.3 miles) - Rail, Northern and Victoria line

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243 (Redvers Road - Waterloo Station/Mepham Street)
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45 (St Pancras International Station - Atkins Road/New Park Road)
46 (Lancaster Gate Station - Stonecutter Street).

BY CAR:
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BY BICYCLE:
Charles Darwin House has a limited number of secure parking spaces available for bicycles, available on a first come first served basis.