



# *LH Gray Memorial Trust*

Founded in 1967 to further knowledge and understanding of radiation sciences.

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## **Radiotherapy developments for the next 10 years – Expert views and discussions**

**A one-day meeting organised by the LH Gray Memorial Trust  
8<sup>th</sup> October 2026, Friends House, nr Euston, London**

### ***Morning Session – Where are we now?***

9:50 – Brief Welcome and Introduction, Stuart Green, Colin Baker, Andy Beavis

#### **10-10:45 Adrian Crellin**

Introducing complex / expensive treatments to the NHS. How do we go from interesting / promising outcomes of a new modality to an NHS tariff? How did we do this for protons? How might we approach other topics (MR-linac, BNCT...)?

#### **10:45-11:30 Helen McNair**

On-line adaptive radiotherapy. MR-linac as an exemplar of a new way of scheduling and delivering radiotherapy. What is the future for the traditional – plan once → deliver many fractions paradigm

#### **11:30-12:15 Anthony Chalmers**

What biologically modifiers are offering promise for the next 10 years? Focus on DNA damage and repair and the (changing) role of the immune system. What is the future for approaches that seek to modulate / enhance the effect of a delivered radiation dose locally and/or systemically?

12:15 – 12:45 Panel Discussion, Adrian, Helen, Anthony

12:45-1:45 pm LUNCH

### ***Afternoon Session – What's coming next?***

#### **1:45 – 2:30 Dan Low**

Advanced physics delivery techniques – on table adaption – role of advanced imaging – especially PET and MRI techniques in guiding radiotherapy delivery. Some musings on the future – where are we going?

#### **2:30-3:15 Raj Jena**

AI Focus, its future roles / potential in radiotherapy (and also in Imaging). Auto-contouring and automated planning are current and near-future applications – but what about the longer term?

#### **3:15-4:00 Marco Durante**

The promise of Ions – has this been delivered and how might that change in the future which novel modes of delivery such as mini or micro-beams? What is the rationale for mini and micro-beam radiotherapy (focus on the immune system)? What might be the role for FLASH?

4-4:30 Panel discussion, Dan, Raj and Marco