Computational Radiotherapy Symposium 2016

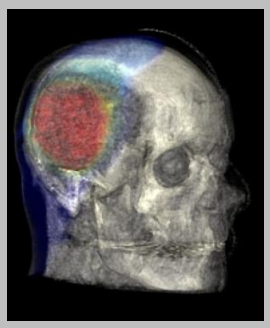
9TH – 10TH JUNE 2016 – CRUK CAMBRIDGE INSTITUTE

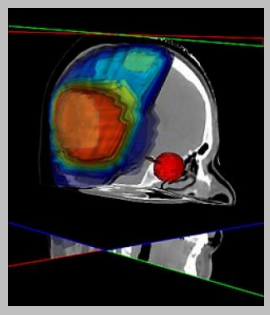
Personalised Radiotherapy

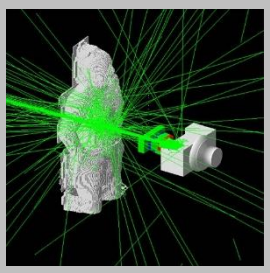
or 'How computers can cure cancer'

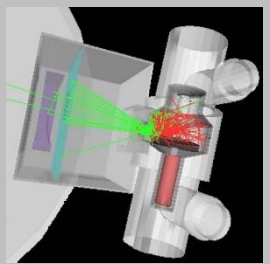
Keynote speakers

Sir Harpal Kumar, Cancer Research UK
Catharine West, Manchester Cancer Research Centre
Richard Gilbertson, CRUK Cambridge Institute
Thomas Merchant, St. Jude Children's Research Hospital
Manjit Dosanjh, European Centre for Nuclear Research









Join us for a 2 day multidisciplinary symposium exploring the use of computational techniques in precision radiotherapy treatment.

We will draw together expert opinions from industry, academia and the clinic to define the challenges faced by the radiation oncology community in the future

CANCER RESEARCH UK

For registration and details visit
www.comprt.org

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Symposium programme

Thursday 9th June

12.30 - 13.00	Registration	
13.00 - 14.00	Lunch & Networking	
14.00 - 14.10	Neil Burnet / Raj Jena	Welcome
14.10 - 14.40	Harpal Kumar, CRUK	CRUK vision for cancer care & the role of radiotherapy
14.30 - 15.00	Neil Burnet	The role of computational RT in cancer care
15.00 - 15.30	Jessica Scaife	VoxTox – Analysis & Implications
15.30 - 16.00	**TEA**	
16.00 - 16.30	David Noble	VoxTox: Head & Neck
16.30 - 17.00	Michael Sutcliffe	Auto-contouring & Finite Element Modelling
17.00 - 17.30	Karl Harrison	Automating workflows to solve problems in computational radiotherapy
19.00 for 19.30	Symposium Dinner	

Friday 10th June 2016

09.00 - 09.45	Richard Gilbertson	From Patient to Lab &Back Again
09.45 - 10.15	Gill Barnett	Radiogenomics & RAPPER
10.15 - 10.45	Catharine West	Combining RAPPER with VoxTox
10.45 - 11.15	**COFFEE**	
11.15 - 12.00	Manjit Dosanjh	BioLEIR and medical applications at CERN
12.00 - 12.30	Thankamma Ajithkumar	Proton Beam Therapy
12.30 - 13.30	**LUNCH**	
13.30 - 13.50	Frederic Brochu	GHOST & image guided RT
13.50 - 14.15	Hatem Helal, Mathworks	Large scale image processing using MATLAB
14.15 - 14.40	Gustav Meedt, Elekta	MRI-Linac development
14.40 - 15.00	Sue Barley, OSL	Using ImSimQA to implement AAPM Task Group 132 recommendations
15.00-15.35	**TEA**	
15.35-15.55	Mark Hayes	Accel RT + Dart
15.55-16.15	Andy Parker	How computers can cure cancer
16.15 -17.00	Tom Merchant	Dose Volume Effects in Normal Tissue Toxicity
17.00 -17.10	Raj Jena / Neil Burnet	Conclusions and Close

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- Registration is free
- **9 hours** of CPD credits have been awarded by the Royal College of Radiologists