



BIR ANNUAL RADIOTHERAPY AND ONCOLOGY MEETING 2021

18–19 March 2021
TBC, London



#BIRTO21

CPD: 7 credits per day

BIR ANNUAL RADIOTHERAPY AND ONCOLOGY MEETING 2021

This is an inaugural meeting for the BIR bringing together national and international experts sharing experiences and expertise in a very wide range of aspects for today's cutting-edge radiotherapy and oncology. The latest techniques, technologies, methods and issues will be discussed in this comprehensive meeting taking place over two days. Opportunities aplenty for networking with fellow professionals and discussing the latest offerings from manufacturers.

Expert teaching sessions will be held at the end of day one and the start of day two, to provide targeted educational opportunities in areas such as IGRT, dosimetry and detectors, particle therapy and adaptive therapy. Sessions are also earmarked for proffered material in the form of oral presentations and ePosters and /or short YouTube clips. All-in-all, the best in radiotherapy and oncology will be featured at this new meeting!

Schedule of event

Day one

09:00 Registration opens
09:20 Welcome speech
09:30 Lecture begins
17:00 Teaching session
18:00 Close of day

Day two

08:15 Teaching session
09:00 Registration opens
09:30 Lecture begins
18:00 Close of day

Who should attend?

This event will appeal to anyone working within radiotherapy and oncology including clinical oncologists, radiographers, physicists, service managers, Linac and IT engineers, dosimetrists, manufacturers and department heads.

Five reasons to attend

1. Enhance your knowledge
2. Hear expert opinion and share your own
3. Refresh your understanding
4. Share your own research
5. Network with colleagues, peers and industry representatives

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ePosters

Current research being undertaken by your colleagues and peers will be available to view via electronic posters, which can be viewed on the screens located in the foyer.



Headline sessions

Plenary lecture

Professor Jean Bourhis
Chief of Radiation Oncology Service
Lausanne University Hospital (CHUV)
Thursday 18 March 14:00



Plenary lecture

Professor Michael Baumann
Chairman and Scientific Director
German Cancer Research Centre
Friday 19 March 14:00



Plenary lecture

Professor Heidi Probst
Professor of Radiotherapy and Oncology
Sheffield Hallam University
Friday 19 March 17:00



Teaching sessions

Proton therapy / Contouring and adaptive

Thursday 18 March 17:00

IGRT / Dosimetry and detector

Friday 19 March 08:15



Thursday 18 March

Stream A

09:00 Registration and refreshments

09:20 Welcome and introduction

Session 1: Particle therapy

09:30 **PBT Trials in the UK – a systematic approach to evaluation**
Professor Christopher Nutting, Professor of Radiation Oncology, The Institute of Cancer Research, London

10:00 **Title to be confirmed**
Speaker to be confirmed

10:30 **Title to be confirmed**
Speaker to be confirmed

11:00 Break

Session 2: Hypofractionation and radiosurgery

11:30 **Applied radiobiology in radiosurgical techniques, shorted fractionation schedules and proton therapy**
Professor Bleddyn Jones, Professor of Clinical Radiation Biology, University of Oxford

12:00 **Clinical update – FAST and FAST-forward trials**
Dr Duncan Wheatley, Consultant Clinical Oncologist Royal Cornwall Hospital and Director of Research and Innovation Cornwall

12:30 **Title to be confirmed**
Speaker to be confirmed

13:00 Lunch

14:00 **Plenary session: 'Flash radiotherapy'**
Professor Jean Bourhis, Chief of Radiation Oncology Services, Lausanne University Hospital (CHUV)

15:00 Break

Session 3: Adaptive therapy

15:30 **The RAIDER Trial – plan-of-the-day for bladder patients**
Professor Robert Huddart, Lead of Clinical Academic Radiotherapy and Chief Investigator of RADIER Trial, Institute of Cancer Research

16:00 **Online adaptive treatments for pelvic tumours using CBCT – experience from Herlev Hospital**
David Sjöström, Deputy Chief Physicist, Herlev Hospital

16:30 **Clinical applications of adaptive radiotherapy based on CBCT**
Dipl.-Biophys. Miriam Eckl, Department of Radiotherapy and Radiation Oncology, University Medical Centre Mannheim

Teaching session: Proton therapy

17:00 **Title to be confirmed**
Speaker to be confirmed

Thursday 18 March

Stream B

09:00 **Registration and refreshments**

09:20 **Welcome and introduction**

Session 1: Clinical trials

09:30 **Title to be confirmed**
Professor Anthony Chalmers, Chair of Clinical Oncology (Clinical Trials Research), University of Glasgow

10:00 **Title to be confirmed**
Speaker to be confirmed

10:30 **Title to be confirmed**
Speaker to be confirmed

11:00 **Break**

Session 2: Artificial intelligence / Machine learning / Big data

11:30 **AI for radiation oncology**
Dr Kenji Takeda, Director of Health and AI Partnerships (Academic), Microsoft Research

12:00 **Title to be confirmed**
Dr Gareth Price, Clinical Scientist, The Christie NHS Foundation Trust

12:45 **The use of big data in radiomics and its role in radiotherapy**
Professor Philippe Lambin, Head of Department of Radiation Oncology, Maastricht University

13:00 **Lunch**

14:00 **Plenary session: 'Flash radiotherapy'**
Professor Jean Bourhis, Chief of Radiation Oncology Services, Lausanne University Hospital (CHUV)

15:00 **Break**

Session 3: MRgRT

15:30 **Title to be confirmed**
Dr Helen McNair, Lead Research Radiographer, The Royal Marsden NHS Foundation Trust

16:00 **MR guidance in mainstream radiotherapy – clinician's perspective**
Dr Charles Kelly, Clinical Oncologist, Northern Centre for Cancer Care

16:30 **MRgRT – the physics perspective**
Professor Marcel van Herk, Chair in Radiotherapy Physics, University of Manchester

Teaching session: Contouring and adaptive

17:00 **Title to be confirmed**
Speaker to be confirmed

18:00 **Close of day**

Friday 19 March

Stream A

Teaching session: IGRT

08:15 Dr Kevin Franks, Consultant Clinical Oncologist, Leeds Teaching Hospitals NHS Trust

09:00 Registration and refreshments

Session 1: Strategy / Policy/ Workforce and education

09:30 **The All Party Parliamentary Group for Radiotherapy (APPG-RT)**
Dr Patricia Price, Visiting Professor, Imperial College London

10:00 **Medical workforce issues in oncology**
Ms Julie Massey, Head of Radiation Services, The Clatterbridge Cancer Centre NHS Foundation Trust

10:30 **Challenges and opportunities for pre-registration healthcare students**
Miss Bridget Porritt, Head of Radiotherapy; and Mrs Denise Prescott, Dean of School of Health Sciences, University of Liverpool

11:00 Break

Session 2: Proffered papers I

11:30 **Title to be confirmed**
Speaker to be confirmed

12:00 **Title to be confirmed**
Speaker to be confirmed

12:30 **Title to be confirmed**
Speaker to be confirmed

13:00 Lunch

14:00 **Plenary session: 'Radiation oncology in the era of personalised medicine'**
Professor Michael Baumann, Chairman and Scientific Director, German Cancer Research Centre

15:00 Break

Session 3: Proffered papers II

15:30 **Title to be confirmed**
Speaker to be confirmed

16:00 **Title to be confirmed**
Speaker to be confirmed

16:30 **Title to be confirmed**
Speaker to be confirmed

17:00 **Plenary session: Title to be confirmed**
Professor Heidi Probst, Professor of Radiotherapy and Oncology, Sheffield Hallam University

18:00 Close of event

Friday 19 March

Stream B

Teaching session: Dosimetry and detectors in modern radiotherapy – do we have the right tools?

08:15	Title to be confirmed Mr Russell Thomas, Principal Researcher, National Physical Laboratory (NPL)
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09:00 Registration and refreshments

Session 1: Manufacturer session

09:30	The power of the platform Speaker to be confirmed, Sun Nuclear
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09:45	Title to be confirmed Speaker to be confirmed, Varian
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10:00	Title to be confirmed Speaker to be confirmed, RaySearch
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10:15	Title to be confirmed Speaker to be confirmed, PTW
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10:30	Title to be confirmed Speaker to be confirmed
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10:45	Title to be confirmed Speaker to be confirmed
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11:00 Break

Session 2: Radiotherapy errors and near misses – learning opportunities

11:30	National learning opportunities from the RTE Ms Helen Best, Senior Clinical Radiotherapy Officer, Medical Exposures Group, Public Health England
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12:00	Local learning opportunities from local/national RTE Oonagh Maguire, Belfast Trust Hospital
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12:30	Using local radiotherapy error analysis to inform training packages Ms Alison Sanneh, Principal Educator – Radiotherapy, The Christie NHS Foundation Trust
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13:00 Lunch

14:00	Plenary session: ‘Radiation oncology in the era of personalised medicine’ Professor Michael Baumann, Chairman and Scientific Director, German Cancer Research Centre
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15:00 Break

Session 3: Engineering / IT / Infrastructure

15:30	Title to be confirmed Mr Shaun Atherton, Technical Services Manager, The Christie NHS Foundation Trust
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16:00	Title to be confirmed Dr Simeon Nill, Clinical Scientist, The Royal Marsden Hospital and Institute of Cancer Research
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16:30	The Clatterbridge Cancer Centre – 2020 onwards Dr Carl Rowbottom, Head of Medical Physics, Clatterbridge Cancer Centre
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17:00	Plenary session: Title to be confirmed Professor Heidi Probst, Professor of Radiotherapy and Oncology, Sheffield Hallam University
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18:00 Close of event

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