



0900-0920	Symposium Opening & Welcome to Country	Gary Liney
0920-0930	The MR in RT Symposium	James Balter
0930-1000	5 th MR in RT Opening Lecture: Will we still need Radiotherapy in 20 years?	Michael Barton
1000-1030	The Peter Mansfield Lecture: Biofocussed prostate cancer RadioTherapy (BiRT): A synergy of traditional Brachytherapy techniques with a modern approach	Annette Haworth
1030-1100	Morning tea Networking Break	
1100-1230	Education Session 1: Introduction to MRI for RT	
1100-1130	Education Session 1a MRI: From Picture to Photon	Donald McRobbie
1130-1200	Education Session 1b MRI-Simulation: Quality Assurance	Amy Walker
1200-1230	Education Session 1c MRI-Simulation: Practicalities of Set-up & Coils	Robba Rai
1230-1330	PHILIPS Lunchtime Symposium Automation from simulation to treatment plan.	
1330-1500	Education Session 2: Advanced Applications	
1330-1400	Education Session 2a CT generation from MRI	Jason Dowling
1400-1430	Education Session 2b PET-MRI	Tufve Nyholm
1430-1500	Education Session 2c Motion Management & 4D MRI	Eric Paulson
1500-1530	Afternoon tea Networking Break	
1530-1700	Scientific Session 1: MRI Planning & Workflow	
1530-1542	Scientific Session 1a Reversing the Treatment Planning Workflow of MRI-assisted Radiotherapy to the Neck using 3D anatomy Surface Printing: A Proof of Concept	Houda Bahig
1542-1554	Scientific Session 1b Clinical workflow for MR-only simulation and planning in prostate	Neelam Tyagi
1554-1606	Scientific Session 1c Geometric and dosimetric evaluation of three atlas-based segmentation methods for head and neck cancer patients on MR images	Jennifer Kieselmann
1606-1618	Scientific Session 1d The Reversed Simulation Workflow for Hybrid CT Validation in Brain	Eric Paulson
1618-1630	Scientific Session 1e Multi-channel deformable image registration based on MRI tissue classes	Markus Gitzner*
1630-1642	Scientific Session 1f Automated reference-free local error assessment in MR-CT deformable image registration	Richard Speight
1642-1654	Scientific Session 1g Quantifying the effect of combined MR residual system and patient-induced geometrical distortions on prostate Radiotherapy Treatment Plans	Mikael Bylund
1700-1800	Welcome Reception & Poster Viewing	

0900-1030	Keynote Session: IMAGE → Anatomy & Beyond	
0900-0930	Functional imaging techniques	<i>Uulke van der Heide</i>
0930-1000	Clinical focus: Prostate & Head and Neck	<i>Piet Dirix</i>
1000-1030	Clinical focus: Brain & Liver	<i>Yue Cao</i>
1030-1100	Morning tea Networking Break	
1100-1240	Scientific Session 2: Validation, Monitoring & Response	
1100-1112	Scientific Session 2a Serial multiparametric MRI in head and neck cancer treated with radical Radiotherapy	<i>Christopher Rumley</i>
1112-1124	Scientific Session 2b Field quantification and generalized phantom design for MR imaging by solving 2D/3D inner and outer Dirichlet problems	<i>Teo Stanescu</i>
1124-1136	Scientific Session 2c Zero TE MRI-only treatment planning for Radiation Therapy of brain tumours after resection	<i>Christine Boydev</i>
1136-1148	Scientific Session 2d Zero TE MR-based pseudo-CT comparison with true CT Radiation Therapy Planning for Head application	<i>Cristina Cozzini</i>
1148-1200	Scientific Session 2e Histology correlation of in-vivo PET/MRI data	<i>Kristina Sandgren*</i>
1200-1212	Scientific Session 2f Clinical validation of MR-only prostate treatment planning in a multi-center/multi-vendor environment and patient positioning feasibility using synthetic CT images	<i>Emilia Persson</i>
1212-1224	Scientific Session 2g Automatic identification of gold fiducial markers in MRI target delineation images intended for prostate Radiotherapy without the need for image registration	<i>Christian Gustafsson</i>
1224-1236	Scientific Session 2h Quantitative cardiac MRI to detect changes in myocardium in patients treated with tangential left breast Radiotherapy only	<i>Simon Tang</i>
1240-1340	 Lunchtime Symposium FRCPC - From Imaging to Action in Radiation Oncology	
1340-1510	Scientific Session 3: Motion Management	
1340-1352	Scientific Session 3a Benchmark in 4DMRI: preliminary results	<i>Chiara Paganelli</i>
1352-1404	Scientific Session 3b Respiratory motion-resolved, self-gated 4D-MRI using Rotating Cartesian K-space (ROCK): initial clinical experience on a 0.35T MRI-guided radiotherapy system	<i>Fei Han</i>
1404-1416	Scientific Session 3c 4D-Dixon MRI for 4D pseudo-CT generation in a thoracic MR-only workflow	<i>Joshua Freedman</i>
1416-1428	Scientific Session 3d 4D MRI with self-gating for Radiation Therapy planning: feasibility study	<i>Li Pan</i>
1428-1440	Scientific Session 3e How should we acquire 2D cine MR images to determine lung tumor shifts perpendicular to treatment beam direction?	<i>Martin Menten</i>
1440-1452	Scientific Session 3f Diffusion-weighted MRI of the lung at 3T evaluated using EPI-based and TSE-based acquisition technique	<i>Tyagi Neelam</i>
1452-1504	Scientific Session 3g Simultaneous orthogonal plane imaging with balanced SSFP contrast using k-t GRAPPA	<i>Nikolai Mickevicius</i>
1510-1540	Afternoon tea Networking Break	
1540-1700	Poster Presenters Session and General Poster Viewing	
1540-1545	Poster a MICE Studio – an interactive research tool for image analysis	<i>Joakim Jonsson</i>
1545-1550	Poster b Evaluation of the Atlas Based Segmentation in RayStation using a pelvic MRI T2-weighted atlas	<i>Sebastian Andersson</i>

1555-1600 Poster c	Four-dimensional MRI of the liver using a self-gated radial sequence: Initial Experience	<i>Robba Rai</i>
1600-1605 Poster d	Deformable motion correction for reconstruction of abdominal DCE-MRI images	<i>Adam Johansson</i>
1605-1610 Poster e	A clinical case of patient rotation in particle therapy at the Italian National Centre for Oncologic Hadrontherapy (CNAO): experience to transfer in MRI-guidance	<i>Chiara Paganelli</i>
1610-1615 Poster f	Assessing the impact of magnetic resonance treatment simulation (MRSIM) on target volume delineation and resultant dose to organs at risk for oropharyngeal radiotherapy	<i>Haylea Richardson</i>
1615-1620 Poster g	Functional MRI assessment of primary and secondary brain tumour response to radiation therapy: A pilot study	<i>Michael Jameson</i>
1620-1625 Poster h	A robust trailing strategy using beam's eye view cine imaging on the MR-Linac	<i>Tessa van de Lindt</i>
1625-1630 Poster i	Geometric alignment and dosimetric characterisation of the Australian MR-Linac	<i>Jarrad Begg</i>
1630-1635 Poster j	Optimisation of passive shielding for MRI-Linac systems	<i>Brendan Whelan</i>
1635-1640 Poster k	Magnetic Field effects on the photon beam output of an Inline MRI-Linac	<i>Bin Dong</i>
1640-1645 Poster l	Investigate the use of PRESAGE® 3D dosimeter as a QA tool for an MR-linac	<i>Filipa Costa</i>

0900-1030	Keynote Session: INNOVATE → From Benchtop to Clinic	
0900-0930	Designing the next generation systems	Stuart Crozier
0930-1000	MR-only in the clinic	James Balter & Juha Korhonen
1000-1030	Innovative Clinical Trial Strategies: The Machine that Learns	Cynthia Menard
1030-1100	Morning tea Networking Break	
1100-1230	Scientific Session 4: Quantitation & Radiomics	
1100-1112	Scientific Session 4a Repeatability of dose painting by numbers in prostate cancer radiotherapy based on multiparametric MRI	Marcel van Schie*
1112-1124	Scientific Session 4b Impact of MRI acquisition on radiomic texture features	Robba Rai*
1124-1136	Scientific Session 4c Gray level-invariant Haralick texture features	Patrik Brynolfsson
1136-1148	Scientific Session 4d Localizing prostate cancer aggressiveness at a voxel level using quantitative MRI	Ghazaleh Ghobadi
1148-1200	Scientific Session 4e Outcome prediction after local prostate cancer treatment with the use of T2w magnetic resonance imaging (MRI) – a Radiomics approach	Catarina Fernandes
1200-1212	Scientific Session 4f Quantitative estimation of prostate cell density and stratification of prostate tumour aggressiveness from multiparametric MRI	Yu Sun
1212-1224	Scientific Session 4g Development of a biological atlas using mpMRI and PET for use in prostate focal therapy	Hayley Reynolds
1230-1330	 Lunchtime Symposium	
	Breaking new ground: The great potential of integrated high precision radiotherapy with high field MR	
1330-1500	Scientific Session 5: Problems & Solutions to Real-Time Guidance	
1330-1342	Scientific Session 5a The impact of lung tumor motion to the dose delivery in magnetic fields	Oliver Schrenk
1342-1354	Scientific Session 5b Proton beam delivery in MRI guided proton beam therapy: feasibility of compact gantry systems	Brad Oborn
1354-1406	Scientific Session 5c Real-time MRI-guided Cardiac Radiosurgery on an MRI-Linac: Treatment planning and MLC tracking results	Suzanne Lydiard
1406-1418	Scientific Session 5d Real-time adaptive radiotherapy on an MRI-Linac: End-to-end proof-of-principle demonstration	Kevin Zhang
1418-1430	Scientific Session 5e High resolution response maps illustrating the impact of magnetic fields on dose measurement with small ion chambers	Joerg Lehmann
1430-1442	Scientific Session 5f 3D gel methodology for determining MR and radiation isocenter registration in MR-IGRT	Hannah Lee
1442-1454	Scientific Session 5g A patient rotation system for MR guided Radiotherapy: Quantification of anatomical deformations due to rotation	Jarryd Buckley*
1500-1530	Afternoon tea Networking Break	
1530-1615	Poster Viewing	
1615-1700	Open Panel Discussion	Scientific Committee

0900-1100	Keynote Session: TREAT → MRgRT: A New Weapon in the Battle Against Cancer Sponsored by Viewray/MD Solutions	
0900-0930	Clinical experience with daily real time MRI-guided adaptive radiation therapy	Mike Roach
0930-1000	The Atlantic Consortium	Bas Raaymakers
1000-1030	The Australian MRI-Linac Program	Paul Keall
1030-1100	 VIEWRAY Visibly Different  MD SOLUTIONS AUSTRALASIA	Viewray Presentation TREAT → MRgRT A New Weapon in the Battle Against Cancer Sasa Mutic
1100-1130	Morning tea Networking Break	
1130-1245	Scientific Session 6: MR-Guided RT in the Clinic	
1130-1142	Scientific Session 6a	MRI-guided dose-escalation on local recurrences after radical prostatectomy <i>Piet Dirix</i>
1142-1154	Scientific Session 6b	Quantitative diffusion measurements on the MR-Linac <i>Folkert Koetsveld</i>
1154-1206	Scientific Session 6c	Fast online intrafraction replanning for the MR-linac <i>Charis Kontaxis*</i>
1206-1218	Scientific Session 6d	Accelerated 3D bSSFP imaging for treatment planning on a low-field MRI-guided radiotherapy system <i>Yu Gao*</i>
1218-1230	Scientific Session 6e	Dynamic Contrast-Enhanced and Intravoxel Incoherent Motion MRI analysis for carbon-ion beams radiation treatment monitoring in patients with Adenoid Cystic Carcinoma <i>Natalia Arteaga-Marrero</i>
1230-1242	Scientific Session 6f	Distortion-free diffusion MRI using an MRI-guided radiotherapy system: sequence validation and preliminary clinical experience <i>Yu Gao</i>
1245-1300	Announcement of Young Investigator Award & Meeting Close <i>Gary Liney, Greg Kaplan</i>	
1400-1700	Technical Tour at Liverpool Cancer Therapy Centre (MRI-Linac & MRI-Simulator), Followed by Networking Event at Ingham Institute <i>Restricted numbers; buses depart from outside ICC at approx 1300, returning approx 1800.</i>	

*Young Investigator award finalist