

IR RESEARCH DAY 2024

FRIDAY 13TH DECEMBER 2024
ROYAL COLLEGE OF RADIOLOGISTS,
LONDON WC2A 3JW

MEETING PROGRAMME



UNITE COLLABORATIVE



British
Society of
Interventional
Radiology

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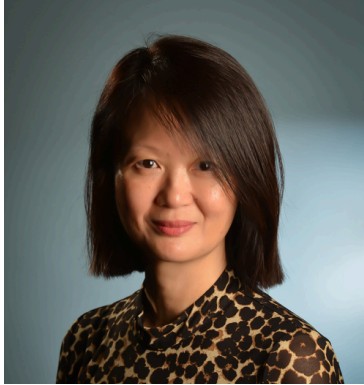
Friday 13th December 2024 | Royal College of Radiologists, London WC2A 3JW

EVENT PROGRAMME

08:00	NETWORKING BREAKFAST	UNITE Team
08:45	REGISTRATION	
09:00	RCR PRESIDENT'S ADDRESS	Dr Kath Halliday
09:10	ABOUT THE UNITE COLLABORATIVE	UNITE Team
09:20	FROM MACHINE LEARNING TO IMPROVED PATIENT OUTCOMES IN IR: INSIGHTS FROM THE CASCADE, PROREAD AND BEYOND	Prof Dania Daye
09:50	ROLE OF PATIENT REGISTRIES IN EVIDENCE GENERATION: GEMS, THE FIRST GLOBAL IR REGISTRY	Prof Mark Little
10:20	TREATING OBESITY WITH IR - GASTRIC ARTERY EMBOLISATION & THE EMBIO TRIAL	Prof Mo Hamady
11:00	BREAK	
11:30	UNLOCKING IR RESEARCH: A PRACTICAL GUIDE FOR FULL TIME CLINICANS	Dr Sachin Modi
12:00	HISTOTRIPTY - RESULTS FROM #HOPE4LIVER TRIAL	Prof Tze Wah
12:30	PRECLINICAL RESEARCH AND MATERIALS SCIENCE: ADDRESSING OESOPHAGEAL STENT CORROSION	Prof Hans-Ulrich Laasch
13:00	LUNCH	
14:00	UNITE PROJECTS: <ul style="list-style-type: none">PROVISION OF INTERVENTIONAL ONCOLOGY SERVICES IN THE UKMALIGNANT URETERIC OBSTRUCTION	Dr Diana Velazquez-Pimentel Dr Oliver Llewellyn
14:30	WORKSHOP: PUT YOUR RESEARCH SKILLS INTO ACTION!	Led by Dr Deevia Kotecha
16:45	WORKSHOP PLENARY	Dr Jim Zhong
17:00	MEETING CLOSE & NETWORKING	

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SPEAKERS



Professor Tze Wah
Leeds



Professor Dania Daye
Massachusetts, USA



Professor Mark Little
Reading



Professor Mo Hamady
London



Dr Sachin Modi
Southampton



Professor Hans-Ulrich Laasch
Manchester



Dr Katharine Halliday
RCR President

UNITE TEAM



Dr Deevia Kotecha
Manchester



Dr Indra Mandal
Oxford



Dr Diana Velazquez-Pimentel
London



Dr Lukschana Senathirajah
Norwich



Dr Ghazal Najafi
Oxford



Dr Oliver Llewellyn
Glasgow

ADVISORS



Dr Jim Zhong
Leeds



Dr Paul Jenkins
Plymouth



Dr Hunain Shiwani
Leeds



Dr Ganesh Vigneswaran
Southampton

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PROF DANIA DAYE
MASSACHUSETTS, USA

Assistant Professor of Radiology at Massachusetts General Hospital (MGH) and Harvard Medical School. Prof Dania Daye is the co-director of IR Research at MGH and Director of the Precision Interventional and Medical Imaging (PIMI) Lab. Her research centers around the applications of Machine Learning and computer vision for precision medicine. For her research, Dr Daye is the recipient of many awards that include the Association of American Physicians Stanley J. Korsmeyer Young Investigator Award, the Association of University Radiologists (AUR) Memorial Award, and the 40 under 40 MedTech Boston Healthcare Innovators. Dr Daye previously served as the President of the American Physician Scientists Association and currently serves on the board of directors.



PROF HANS-ULRICH LAASCH
CHRISTIE NHS FOUNDATION

Following his Undergraduate training and his Doctorate at the Albert-Einstein University in Ulm, Germany, Hans-Ulrich initially trained as a General Physician in the UK, passing the board exam (MRCP) in 1995, before starting a career as a Radiologist. Following qualification in Clinical Radiology (FRCR), he undertook a 4-year fellowship in GI-intervention and Interventional Endoscopy and was appointed as Head of Interventional Radiology at The Christie 2005-2018 and now offers endoscopic procedures within Radiology.

As one of the national experts in GI stents, he is heavily involved in teaching and education through several international societies and has contributed to a number of national guidelines. Hans-Ulrich holds a visiting Professorship in the Department of Natural Sciences at the University of Chester and is Clinical Director of Minnova Medical Foundation CIC, a not-for-profit company, which fundraises for research and education through teaching and collaboration with the device industry.

MMF sponsors and co-supervises a PhD student in the Advanced Materials Department at Manchester University and collaborates with The University of Chemistry and Technology in Prague on a research programme into device failure.



PROF TZE WAH
LEEDS UNIVERSITY HOSPITAL

Professor Wah has been appointed at the Leeds Teaching Hospitals NHS Trust (LTHT) as Consultant in Diagnostic and Interventional Radiology since 2003 with sub-speciality interest in Interventional Oncology. She is passionate about practising evidence-based medicine and committed to the highest standards of research methodology. Since 2004, she has established, developed and leads an internationally recognised, clinical and research programme in Interventional Oncology (IO).

Her research IO career highlights to date are- Chief Investigator to translate image-guided histotripsy in liver cancer for #Hope4Liver-trial (2021-2023). In March 2023, she was appointed CI for the image-guided histotripsy in renal cancer-CAIN trial and performed the 'Global-First' case, which featured on ITV News.

She is a passionate champion for female leadership and strong advocate for Equality, Diversity and Inclusion (EDI). She co-authored a pivotal publication with Prof Annamaria Belli on the IR gender gap survey published in 2017, this has provided the crucial evidence for the need to change the IR culture globally. In 2019, she became the co-founding Chair for EDI committee within BSIR and launched the Professor Annamaria Belli Travelling Grant to promote greater EDI within IR community. In addition, she is an empowering mentor and understands the need to have sustainable pipeline of IR for clinical and research delivery.

In April 2024, she was awarded the prestigious fellowship-NIHR Senior Clinical and Practitioner Research Award (SCPRA) to lead research and innovation in Interventional Oncology in the UK over the next 5 years.



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DR SACHIN MODI
SOUTHAMPTON

Dr Sachin Modi is a Consultant Interventional Radiologist at University Hospital Southampton. His primary interest is in interventional oncology and his specialist expertise is in liver directed treatment for primary or metastatic liver cancer including TACE, SIRT and chemosaturation.



PROF MO HAMADY
IMPERIAL COLLEGE LONDON

Professor Hamady is Professor of Practice in Image Guided Surgery and Interventional Radiology at Imperial College London. He has done extensive research work in complex endovascular aortic repair, simulation training and endovascular robotics. He has more than 200 papers in peer-review journals and 16 book chapters.



PROF MARK LITTLE
ROYAL BERKSHIRE, READING

Professor Little is a Consultant Interventional Radiologist and research lead within the University Department of Radiology at the Royal Berkshire Hospital, Reading. Professor Little has established a large embolotherapy research group alongside his busy clinical practice, gaining international recognition for his work into Prostate Artery Embolization (PAE) and Genicular Artery Embolisation (GAE).



DR KATH HALLIDAY

RCR PRESIDENT

Dr Katharine Halliday completed her Radiology training in London, Perth, Australia, Sheffield and Nottingham. She was appointed to her current role as a Consultant Paediatric Radiologist at Nottingham University Hospital in 1998 and has a special interest in the imaging of suspected physical abuse, providing opinions on cases from across the UK. She chaired the working group for the updated guidance for imaging in cases of suspected physical abuse in children (2018).

Dr Halliday is current President of The Royal College of Radiologists (2022-2025) so heads up the organisation which represents Clinical Radiologists and Clinical Oncologists from all four nations in the United Kingdom.

She also chaired the British Society of Paediatric Radiology (2010-16) and was National Clinical Lead for Radiology Getting-It-Right- First-Time (GIRFT) (2017-22), a service improvement programme during which she visited 143 UK radiology departments in England and the national report published in July 2020 was widely quoted.

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Dr Deevia Kotecha is an Interventional Radiology Registrar at Manchester University NHS Trust and the current Chair of the UNITE Collaborative. Deevia is also a member of the BSIR Research Committee. She completed an intercalated degree in medical research at the MRC Toxicology Unit/University of Leicester, followed by further research in Cardiovascular Sciences focusing on intervention in spontaneous coronary artery dissection. Deevia is particularly passionate about mentoring trainees, ensuring they have the opportunities and support to engage in research from an early stage.



Dr Indrajeet Mandal is an Interventional Radiology Registrar at Oxford University Hospitals and co-founder of the UNITE Collaborative. Indra is passionate about research and evidence-based adoption of new technologies in healthcare such as AI. He is also passionate about ensuring that trainees have mentoring and opportunities to undertake impactful research and currently serves on the BSIR Research Committee.



Dr Diana Velazquez-Pimentel is a Radiology Registrar at Barts Health NHS Trust, with research interests in interventional oncology, lymphatic intervention and soft robotics. Following a degree in Biomedical Engineering and Clinical Materials, she integrates her academic skills with clinical expertise to drive medical technology innovation. Diana's collaborations with companies like J&J, Aven, and TouchSurgery (now Medtronic) have resulted in prototype validation, intellectual property filings, regulatory approvals, and clinical trial design, ensuring practical integration into clinical practice.



Dr Oliver Llewellyn is an ST6 Interventional Radiology Registrar in Glasgow and an RCR Kodak Research Fellow undertaking an MD with The University of Edinburgh. His MD is focused on the diagnosis and management of patients with malignant ureteric obstruction. Oli is the PI for INSITE MUO and OPTIMISE MUO which are retrospective and prospective multicentre studies affiliated with UNITE Collaborative.



Dr Ghazal Najafi is a Foundation Year 2 Doctor working within the Oxford Deanery. Ghazal is interested in pursuing a career in vascular Interventional Radiology. Her current research is focused on highlighting regional differences in IR service provision in the UK, and identifying ways to achieve a standard level of IR service provision across the country. Ghazal is currently the current Secretary for UNITE Collaborative.



Dr Lukschana Senathirajah is an Academic Foundation Doctor at the Norfolk and Norwich University Hospital. Her interests are in Interventional Radiology and specifically embolotherapy. She is eager to explore innovative approaches to provide effective treatment options. Her current research focuses on assessing acute upper limb ischaemia treatment strategies and outcomes. Luky is the current Social Media Lead for UNITE Collaborative.

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Dr Paul Jenkins is a Consultant Interventional Radiologist at University Hospital Plymouth NHS Trust. He co-led the first ever UNITE project 'Macafi' as a Registrar which helped ignite the fuse for the future UNITE success. He now leads the research at the Southwest Imaging Training Academy, encouraging trainees to get involved in research early in their careers, whilst completing his MD on splenic artery embolisation in trauma.



Dr Jim Zhong is currently a CRUK Clinical Trial Fellow in Interventional Oncology at the University of Leeds and Leeds Cancer Centre working on translational oncology interventional trials in liver, kidney and prostate cancer. Jim is the co-founder of the UNITE collaborative.



Dr Hunain Shiwani is an Interventional Radiology Fellow at Leeds Teaching Hospitals NHS Trust. He is currently completing a PhD in Artificial Intelligence at University College London (UCL) and has previously completed a Cardiac Imaging Fellowship at Barts Heart Centre, specialising in Cardiac CT and MRI. Beyond his clinical and research roles, Dr Shiwani serves as the Vice Chair for the British Society of Interventional Radiology (BSIR) Trainee Committee and works as a Senior Machine Learning Engineer at Mycardium AI.



Dr Ganesh Vigneswaran is an NIHR Clinical Lecturer in Interventional Radiology. He is currently working on a number of Interventional Radiology projects including Machine Learning and predictive markers of survival, specifically within interventional oncological radiological therapies. He has published several well-cited research articles and has presented at numerous national and international meetings. He is also a part of the Responsible AI (RAI) UK Health and Social Care group, working to address issues relating to the responsible implementation of AI technologies within the UK healthcare sector.

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