



The Leeds
Teaching Hospitals
NHS Trust



Research and Innovation Conference 2025

*Shaping Future Healthcare: celebrating research
and innovation at Leeds Teaching Hospitals*

10 July 2025

University of Leeds Exhibition Centre (inside The Edge)
and Roger Stevens Building

Proudly supported by:



Welcome to Leeds Teaching Hospitals' Research and Innovation Conference 2025.

This is our biggest and most ambitious conference yet which brings together more than 70 experts across healthcare, research, academia and industry to showcase the latest insight and ground-breaking research and innovation.

Together with our partners, we're delighted to bring you a full schedule of keynote speeches, workshops and panel discussions, led by research delivery staff from across Leeds Teaching Hospitals NHS Trust, including consultants and resident doctors, nurses, clinical scientists and allied health professionals as well as expert partners. They will all shine a light on the latest advancements and help us all to foster collaboration across research and innovation.

The programme is carefully curated to allow all delegates to explore the breadth and depth of research and innovation. Join us for session one, where I will set the scene for our ambitions, and you will hear from our keynote speakers about the impact that research and innovation can have on the future of healthcare. There's also an opportunity to see some of our industry partners showcase innovations.

This is followed by four separate sessions which feature five parallel themes to enable a showcase of R&I activity across a broader footprint: Academic; Innovation; Pathology research, Clinical Research and Showcasing great work. The programme is designed to allow delegates to pick and choose which sessions to attend and offer a truly extensive programme so please feel free to explore the full schedule and move between the sessions.



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Tag us: #LTHTRI25



There is plenty of time to network, explore our exhibitors and share ideas with peers. We would encourage you to view the posters showcasing some of the best research and innovation from the Trust. We also invite you to share any content on your professional and social networks.

We firmly believe that research and innovation are how we will shape future healthcare. By working together - with curiosity, compassion, and courage - we can make a real difference.

Thank you for being a part of this journey today.



Dr Ai Lyn Tan

Associate Medical Director, Research and Innovation,
Leeds Teaching Hospitals NHS Trust

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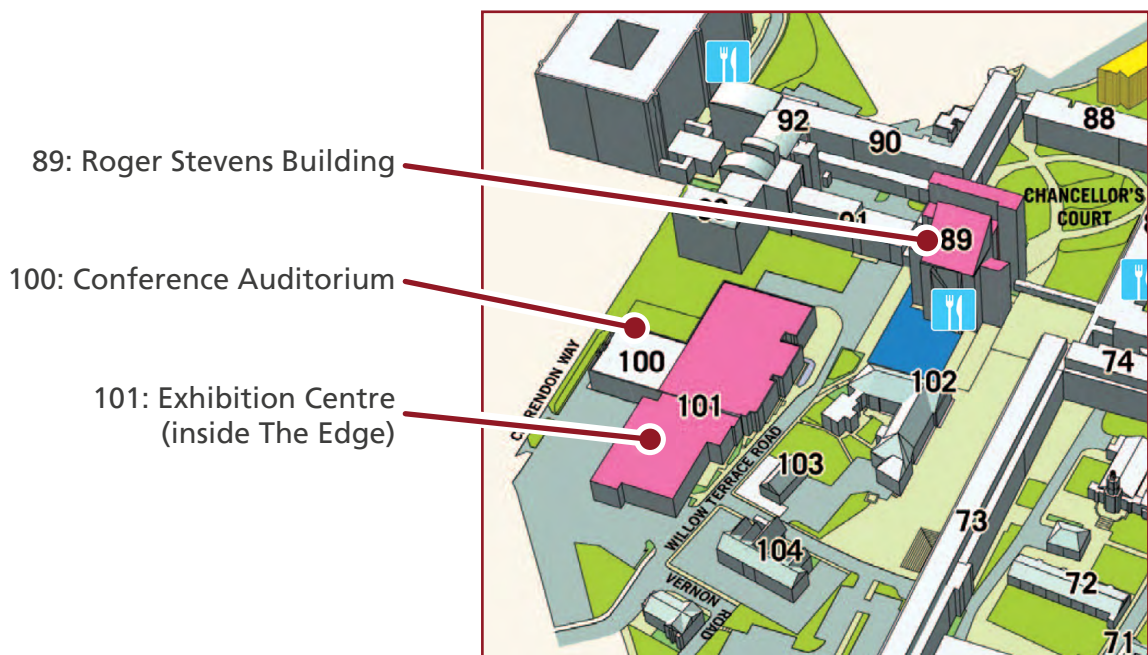
Shaping Future Healthcare: Celebrating Research and Innovation at Leeds Teaching Hospitals

Conference Summary

Location		Time					
Sports Hall		08.15-09:00	Registration at the Exhibition Centre				
SESSION 1	Conference Auditorium	09.10-10.15	Conference welcome, keynote speakers and sponsor showcase (Siemens)				
	Sports Hall	10.15-10.45	Refreshments, poster and exhibition viewing and sponsor demo sessions				
			Theme				
SESSION 2	Roger Stevens Building		Lecture Theatre 01 Academic	Lecture Theatre 02 Innovation	Lecture Theatre 03 Pathology	Lecture Theatre 05 Delivery	Lecture Theatre 04 Showcasing great work
		10.50-11.10	Theme Host: Dr Denise Ross	Theme Host: Dr Richard Evans	Theme Host: Mr Dil Rathore	Theme Host: Ms Sarah Kent	Theme Host: Dr Chris Herbert
		11.15-11.35	<i>Collaborative Research: Improving Patient Experience, Care and Outcomes</i>	<i>Innovating at Scale: Infrastructure, Sustainability and the Future of Digital Health</i>	<i>Pathology Research: From Practical Innovation to Intelligent Automation</i>	<i>Empowering Progress: Clinical Research Delivery, Innovation and Future Workforce</i>	<i>Showcasing Innovation in Practice: AI, Partnership and Education</i>
		11.40-12.00					
		12.05-12.25					
Sports Hall	12.30-13.30	Lunch, poster and exhibition viewing and sponsor demo sessions					
SESSION 3	Conference Auditorium	13.35-13.50	Sponsor session, B. Braun Hosted by Dr Helen Radford				

Location		Time	Theme				
SESSION 4	Roger Stevens Building		Lecture Theatre 01 Academic	Lecture Theatre 02 Innovation	Lecture Theatre 03 Pathology	Lecture Theatre 05 Delivery	Lecture Theatre 04 Showcasing great work
		13.55-14.15	Theme Host: Dr Denise Ross	Theme Host: Dr Richard Evans	Theme Host: Mr Dil Rathore	Theme Host: Ms Sarah Kent	Theme Host: Dr Chris Herbert
		14.20-14.40	<i>Empowering People and Enabling Research: Clinical Careers, Collaboration and Charity Support</i>	<i>Scaling Innovation: From National Accelerators to Neurosurgical Frontiers</i>	<i>Precision Diagnostics in Action: Innovations in Genomics and Transplant Immunology</i>	<i>Research delivery: Strategic Partnerships and the Future of Population Health</i>	<i>Showcasing Innovation in Practice: Celebrating Excellence in Virtual and Augmented Reality and Sustainability</i>
	14.45-15.05						
	Sports Hall	15.05-15.35	Refreshments, poster and exhibition viewing and sponsor demo sessions				
SESSION 5	Conference Auditorium	15.35-15.50	Sponsor session, Brady Hosted by Dr Chris Herbert				
		15.50-16.20	Panel discussion and Q&A: Integrated Research across the city Hosted by Dr Chris Herbert				
		16.20-16.30	R&I Awards, with Dr Magnus Harrison and Dr Paul Jones				
		16.30-17.00	Presentation of top two abstracts and closing remarks				
		17.00	Conference Reception and networking				

Conference site-map



Shaping Future Healthcare: Celebrating Research and Innovation at Leeds Teaching Hospitals

Conference Programme

SESSION 1

- 08.15-09.00: **Registration (kiosk printer), poster viewing, exhibitor viewing**
(Exhibition Centre, Sports Hall)
- 09.10-09.40: **Welcome to Shaping Future Healthcare, celebrating research and innovation at Leeds Teaching Hospitals** *(Conference Auditorium)*
Dr Ai Lyn Tan, Associate Medical Director, Research and Innovation Department, Leeds Teaching Hospitals NHS Trust
Patient Story: A Singer's Life with Sjögren's Syndrome - Sue Lees
- 09.40-10.00: **Keynote Speaker** *(Conference Auditorium)*
Professor Tony Young, National Clinical Director for Innovation, NHS England
- 10.00-10.15: **Sponsor Session: Siemens Healthineers - The Future of Medical Technology: Imaging, Pathology and Radiotherapy example**
Dr Ralph Wiegner, Head of Strategy and Value Added Services - Great Britain and Ireland, Siemens Healthineers *(Conference Auditorium)*
- 10.15-10.45: **Refreshments, poster, exhibitor viewing, sponsor demo sessions**
(Exhibition Centre, Sports Hall)

SESSION 2: Roger Stevens Building

ACADEMIC Theme: Collaborative Research: Improving Patient Experience, Care and Outcomes *(Lecture Theatre 01)*

- Theme host:** **Dr Denise Ross**, Head of Healthcare Professions Academic Development, Leeds Teaching Hospitals NHS Trust
- 10.50-11.10: **PPIEP with them not without them**
Dr Hanif Ismail, Patient and Public Involvement Manager, Leeds Teaching Hospitals NHS Trust
- 11.15-11.35: **ARthritis InteRception with GuSelkumab in Psoriasis Patients in Clinical Transition from Skin to Joint Disease (ARREST): A Randomised Clinical Trial**
Dr Katya Meridor, Clinical Research Fellow in Rheumatology, Leeds Biomedical Research Centre
- 11.40-12.00: **Utilising qualitative analysis of online forum data to understand the impact of early onset colorectal cancer**
Dr Alice Spencer, Clinical Research Fellow in Clinical Oncology, Leeds Teaching Hospitals NHS Trust
- 12.05-12.25: **Augmented Reality for Parkinson's Rehabilitation: A Feasibility Study of Remotely Monitored Cueing-based Games**
Ms Caroline Gill, Senior Physiotherapist, Leeds Teaching Hospitals NHS Trust

INNOVATION Theme: Innovating at Scale: Infrastructure, Sustainability and the Future of Digital Health (Lecture Theatre 02)

- Theme host:** **Dr Richard Evans**, Head of Business Development, Research and Innovation, Leeds Teaching Hospitals NHS Trust
- 10.50-11.10: **National Pathology Imaging Cooperative - Building a national digital pathology platform capable of holding a digital pathology image for every cancer patient in the NHS**
Ian Mason, Programme Head, Deployment and Business Services
Usman Arif, Programme Head Digital, Data and IT Service
Digital Pathology, National Pathology Imaging Cooperative
- 11.15-11.35: **Sponsor Session - Exponential-e**
Richard Oswald, Public Sector- Account Director
- 11.40-12.00: **SUSTAIN - Using simulation and innovation to help bring sustainable surgical care**
Prof Pete Culmer, Professor of Healthcare Engineering, University of Leeds
Mr Adam Peckham Cooper, Consultant Emergency General Surgeon, Leeds Teaching Hospitals NHS Trust
Co-Leads of the NIHR HealthTech Research Centre Sustainability theme
- 12.05-12.25: **Supporting Health Tech into the NHS through the Propel Accelerator Programme**
Tim East, Workstream Lead, Health Innovation Network, Yorkshire and Humber (HIN Y&H)
Michael Morgan-Curran, CEO, Asclepius MedTech Ltd.

PATHOLOGY Theme: Pathology Research: From Practical Innovation to Intelligent Automation (Lecture Theatre 03)

- Theme host:** **Mr Dil Rathore**, Biomedical Scientist and Pathology Innovation Lead, Leeds Teaching Hospitals NHS Trust
- 10.50-11.10: **Clinical Biochemistry and Haematology Innovations: "Have a Go Heroes and G-6-PD attellica analysis"**
Mr Andy Smith, Service Lead (Blood Sciences)
Mrs Sharon Radford, Service Lead (Clinical Biochemistry and Haematology)
Leeds Teaching Hospitals NHS Trust
- 11.15-11.35: **Siemens-Haematology and Digital Imaging**
Full Field Digital Cell Morphology -
Mr Graham Gibbs, Field Marketing Manager NW Europe for Haematology and Plasma Proteins
Navigating the galaxy of data -
Dr. Elisa Romanelli, Direct Customer Engagement Manager
- 11.40-12.00: **Histopathology PanProfiler AI Breast cancer, Panakeia**
Dr Nic Orsi, Clinical Fellow Pathology Innovations/Industrial Clinician/Scientist in Histopathology
Dr Pahini Pandya, CEO, Panakeia
- 12.05-12.25: **Pathology Innovation: RFID sample tracking across Pathology using Brady Technology**
Mr Dil Rathore, Pathology Technology and Innovation Lead, Leeds Teaching Hospitals NHS Trust and Brady

RESEARCH DELIVERY Theme: Empowering Progress: Clinical Research Delivery, Innovation and Future Workforce (Lecture Theatre 05)

Theme host: Ms Sarah Kent, Head of Nursing, Leeds Teaching Hospitals NHS Trust

10.50-11.10: **AHPs can deliver a National Trial. Our journey with the STEPS II study**

Dr Kitty Tang, Clinical Scientist, Leeds Teaching Hospitals NHS Trust
Ms Rachel Watterston Clinical Specialist Physiotherapist,
Leeds Teaching Hospitals NHS Trust

11.15-11.35: **Acceleration of Neuromuscular research at Leeds Childrens Hospital: Our 5 year success story**

Dr Anne-Marie Childs, Consultant Paediatric Neurologist,
Leeds Teaching Hospitals NHS Trust
Dr Rachel Harrison, Lead Nurse for Research, Children and Young People

11.40-12.00: **Cancer Vaccine Launchpad**

Professor Chris Twelves, Clinical Director
NIHR Leeds Clinical Research Facility
Dr Prashant Kathuria, Speciality Doctor, Leeds Teaching Hospitals NHS Trust

12.05-12.25: **The impact of the NIHR Associate Principal Investigator scheme on trainee development and health research delivery at Leeds Teaching Hospitals NHS Trust**

Chloe Uffendell, Core Anaesthetics Trainee based at Leeds General Infirmary, Leeds Teaching Hospitals NHS Trust

SHOWCASING INNOVATION IN PRACTICE: AI, Partnership and Education (Lecture Theatre 04)

Theme host: Dr Chris Herbert, Director of Operations, Research and Innovation

10.50-11.10: **Keeping AI Safe with Newton's Tree: FAMOS**

Dr Beverley Riley, Business Development and Innovation Manager
Nish Afsar, Clinical Affairs Lead, Newton's Tree

11.15-11.35: **Building Partnerships to Improve Outcomes for Patients with Polymyalgia Rheumatica**

Dr Sarah Mackie, Honorary Consultant Rheumatologist, Leeds Teaching Hospitals NHS Trust, and Associate Professor, The University of Leeds

11.40-12.00: **Embedding Research, Innovation and Improvement in Medicines Management and Pharmacy Services (MMPS) at LTHT**

Dr Suzanne Hill, Embedded Research Lead LTHT and Assistant Professor, University of Bradford
Marianne Taylor, Lead Clinician, Medicines Safety, Quality and Research and Innovation, Leeds Teaching Hospitals NHS Trust
Katherine Stirling (Consultant Pharmacist - Anticoagulation and Thrombosis), Leeds Teaching Hospitals NHS Trust

12.05-12.25: **Practical ways to embed Research and Innovation in clinical areas**

Karl Ward, Lead Nurse, Research and Innovation, Lead for R&I Academy, Leeds Teaching Hospitals NHS Trust

12.30-13.30: SPORTS HALL
Lunch, poster, exhibitor viewing, sponsor demo sessions

SESSION 3

- 13.35-13.50: **Sponsor Session: B Braun Medical (UK) Ltd**
Innovating Together: The B. Braun and Leeds Partnership Past, Present, and Future
Michael Cullen, Head of Value and Access, B Braun Medical (UK) Ltd
(Conference Auditorium)
Hosted by: **Dr Helen Radford**

SESSION 4: Roger Stevens Building

ACADEMIC Theme: Empowering People and Enabling Research: Clinical Careers, Collaboration and Charity Support (Lecture Theatre 01)

- Theme host:** **Dr Denise Ross**, Head of Healthcare Professions Academic Development, Leeds Teaching Hospitals NHS Trust
- 13.55-14.15: **My journey to targeting and optimising cardiac device therapy as a clinical academic**
Dr Maria Paton, Specialist Cardiac Physiologist in Cardiac Research, Leeds Teaching Hospitals NHS Trust
- 14.20-14.40: **Career Development fellowships: a recipe for success**
Dr Carole Burnett, Academic Capacity Development Lead, Leeds Teaching Hospitals NHS Trust
- 14.45-15.05: **Launch of the Leeds Hospital Charity Pre-application support fund**
Ms Becky Baldaro-Booth, Head of Grants and Impact, Leeds Hospitals Charity
Dr Richard Parker, Consultant Hepatologist in Hepatology, Leeds Teaching Hospitals NHS Trust
Dr Lynne Schofield, Highly Specialist Physiotherapist, Paediatric PCD North of England Management Service

INNOVATION Theme: Scaling Innovation: From National Accelerators to Neurosurgical Frontiers (Lecture Theatre 02)

- Theme host:** **Dr Richard Evans**, Head of Business Development, Research and Innovation, Leeds Teaching Hospitals NHS Trust
- 13.55-14.15: **Clearing the Path: Accelerating Innovation Adoption in the NHS**
Dr Fiona McKenzie, Policy Lead and Deputy Director, NHS InSites Programme
- 14.20-14.40: **Health Innovation Ecosystems - the power of partnerships**
Ms Deb Hetherington, Director of Innovation Ecosystems, Scarborough Group International
- 14.45-15.05: **Novel and Emerging Technologies in Brain Tumour Surgery**
Mr Ryan Mathew, Associate Professor, University of Leeds, Honorary Consultant Neurosurgeon, Leeds Teaching Hospitals NHS Trust and theme lead: NIHR Leeds Healthtech Research Centre

PATHOLOGY Theme: Precision Diagnostics in Action: Innovations in Genomics and Transplant Immunology (Lecture Theatre 03)

Theme host: **Mr Dil Rathore**, Biomedical Scientist and Pathology Innovation Lead, Leeds Teaching Hospitals NHS Trust

13.55-14.15: **Mortuary Paperless innovation - Digitising the Mortuary**
Dr Hannah Hawrot, Consultant Histopathologist, Leeds Teaching Hospitals NHS Trust

14.20-15.05: **Investigation of Antibodies Directed Against Denatured Human Leukocyte Antigens in Highly Sensitised Patients Awaiting Kidney Transplantation**

Ms Vasia Sykioti, Clinical Scientist, Transplant Immunology, Leeds Teaching Hospitals NHS Trust

Evaluated two whole blood-based, extraction-free methods, EUROArray HLA-B*27 Direct and FastQ® real-time PCR, for their efficiency, accuracy, and cost-effectiveness.

Ms Deborah Cornell, Clinical Scientist - Transplant and Immunology, Leeds Teaching Hospitals NHS Trust

RESEARCH DELIVERY Theme: Strategic Partnerships and the Future of Population Health (Lecture Theatre 05)

Theme host: **Ms Sarah Kent**, Lead Research Nurse, Leeds Teaching Hospitals NHS Trust

13.55-14.15: **Yorkshire Lung Screening Trial**
Ms Suzanne Rogerson, Lead Nurse, Research and Innovation, Leeds Teaching Hospitals NHS Trust

14.20-14.40: **IQVIA, LTHT and CRO working collaboratively as One Team**
Ms Sue Crawford, Prime Site Director at IQVIA

14.45-15.05: **Generation Study in Leeds**
Ms Denise Barnes, Lead Midwife, North East and Yorkshire Genomics

SHOWCASING INNOVATION IN PRACTICE: Celebrating Excellence in Virtual and Augmented Reality (Lecture Theatre 04)

Theme host: **Dr Chris Herbert**, Director of Operations, Research and Innovation

13.55-14.40: **AI-Powered Immersive Technologies for Health**
Dr Will Bolton, NIHR Clinical Lecturer in Neurosurgery

14.45-15.05: **Greener Care Pathways**
Mrs Sophie Williams, Sustainability Improvement Specialist
Dr Matt Powell, Clinical Lead for Sustainability, Consultant in Intensive Care Medicine and Anaesthesia, Leeds Teaching Hospitals NHS Trust

15.05-15.35 SPORTS HALL
Refreshments, poster, exhibitor viewing, sponsor demo sessions

SESSION 5 Conference Auditorium

- 15.35-15.50: **Sponsor Session: Brady**
Scan for Safety: Technology based ecosystems for secure patients flows in a digitalised hospital environment
David Walmsley, UK Managing Director
Mika Karttunen, Head of Research and Development
Davy Baars, CEO Bright Technology Ventures (BTV)
Michael Leibig, Founder and CCO
Hosted by: **Dr Chris Herbert**, Director of Operations, Research and Innovation, Leeds Teaching Hospitals NHS Trust
- 15.50-16.20: **Panel Session - Integrated Research across the City**
Hosted by: **Dr Chris Herbert**, Director of Operations, Research and Innovation, Leeds Teaching Hospitals NHS Trust
Ms Sarah Purchon, Operational Manager, Integrated Research Programme
Mr Dave Kirby, Associate Director, Clinical Professions
Dr Fiona Bell, Head of Research, Yorkshire Ambulance Service
Dr Jill Halstead-Raistrick, Clinical Lead for Research, Leeds Community Healthcare NHS Trust
Ms Stella Johnson, Research Manager, NHS West Yorkshire Integrated Care Board
Dr Sarah Cooper, Head of R&D, Leeds and York Partnership NHS Trust
Dr Ruth Burnett, Executive Medical Director, Leeds Community Healthcare NHS Trust
- 16.20-16.30: **Research and Innovation Awards Ceremony**
Hosted by: **Dr Ai Lyn Tan**, Clinical Director, Research and Innovation, Leeds Teaching Hospitals NHS Trust
Award Ceremony - **Dr Magnus Harrison**, Chief Medical Officer and **Dr Paul Jones**, Executive Director for Digital Information Technology, Leeds Teaching Hospitals NHS Trust
- 16.30-16.40: **Top abstract submission presentations**
Dr Jonathan Sandoe, Honorary Consultant Microbiologist, Associate Professor of Microbiology, Leeds Teaching Hospitals NHS Trust and University of Leeds
Penicillin allergy assessment pathway versus usual clinical care for primary care patients with a penicillin allergy record to assess safety, de-labelling and antibiotic prescribing: The ALABAMA randomised controlled trial.
Dr Andria Hanbury, Research Programme Manager, Improvement Science, Yorkshire and Humber Applied Research Collaboration.
What are the benefits of involvement in health care research for health care staff?
- 16.40-17.00: **Closing remarks**
Ms Kate Lodge, Partnerships Director for Leeds Academic Health Partnership
- 17.00 **Conference Reception and networking**

Sponsor spotlight

Visit the stands and attend our partner demonstration sessions to hear first-hand the exciting innovations that are already embedded in healthcare environments.

Main conference sponsor



Leeds Hospitals Charity is the charity partner of Leeds Teaching Hospitals NHS Trust. We're the charity that champions, supports and gives thanks to the NHS. Bringing together thousands of donors so we can make a real difference for the people and patients of Yorkshire.

We do this by funding life-saving equipment, treatments, research into rare diseases and home comforts – whatever will make the biggest impact to the people who need it most.

Since the launch of our strategy in 2021, we're proud to have provided over £25 million of additional funding to Leeds Teaching Hospitals, with over £7 million supporting research and innovation projects across Leeds. Additional funding has supported a wide range of projects tackling health inequalities, driving innovation in healthcare and supporting research projects to ensure patients have access to the best healthcare and see improved outcomes.

We have invested £2.6 million to tackle serious health and wellbeing problems affecting children and young people by supporting the Child Health Outcomes Research at Leeds (CHORAL) partnership.

At the new Rob Burrow Centre for Motor Neurone Disease, patients with potential disease symptoms will have access to early diagnosis because of two charity funded research initiatives that will leverage artificial intelligence and advanced technologies to improve diagnostic speed and accuracy.

Working collaboratively with other AMRC-accredited organisations, including Ducenne UK, Marie Curie and The Brain Tumour Charity, we have been able to further our research funding opportunities for the benefit of patients here in Leeds.

Platinum sponsors



As a leading medical technology company, B. Braun protects and improves the health of people around the world. For more than 185 years, the family-owned company has been accelerating progress in health care with pioneering spirit and groundbreaking contributions. This innovative strength continues to be the foundation of B. Braun's success today - always with the goal of improving clinical outcomes, cost of care and patient benefits.

More than 64,000 employees live Sharing Expertise worldwide, they make B. Braun a true partner that develops smart solutions and sets new standards. By linking products, services and consulting, the company improves treatment processes and supports medical staff. In doing so, B. Braun always acts with future generations in mind, which is why responsibility for sustainable growth is embedded into all business processes. In 2024, the B. Braun Group generated sales of € 9.1 billion.

See product demonstration
Sports Hall, 10.30-10.45



Brady is a global leader in safety, identification and compliance solutions for a diverse range of industries. Brady is headquartered in Milwaukee, Wisconsin and holds a solid international presence, employing more than 5600 people worldwide.

Brady's products help customers increase safety, security, productivity and performance and include high-performance labels, signs, safety devices, printing systems and software. Founded in 1914, the company has a diverse customer base in electronics, telecommunications, manufacturing, electrical, construction, healthcare, aerospace and a variety of other industries. Moreover, Brady's extensive offering includes an ecosystem of RFID solutions, ranging from labels to fixed and handheld readers, antennas and software.

Brady is partnering at the Research and Innovation Conference with Caretag and Dutch IoT Solutions. Based in Copenhagen, Denmark, and operating across Europe and Asia, Caretag specialises in precise instrument tracking, asset management, and bulk reading of medical tools. Their innovative solutions reduce the need for manual management of instruments, setting a new standard in efficiency and accuracy.

Dutch IoT Solutions aims to transform the IoT hardware market with cutting-edge, sustainable tracking solutions. Proudly made in Europe, their trackers combine exceptional quality with precision engineering, delivering reliable and accurate location data across diverse environments. Designed for scalability, their devices are continuously updated to integrate with the latest technologies.

See product demonstration

Sports Hall, 15.05-15.20



Digital pathology, the digitisation of glass slides, is transforming the way healthcare data is utilised, enabling seamless cross-site collaboration between teams and highly secure, efficient workflows to deliver an optimal time-to-diagnosis for every patient. As a trusted technology partner for the UK's healthcare sector, Exponential-e has extensive experience in improving patient outcomes through innovative health solutions.

By partnering with programmes such as the National Pathology Imaging Co-operative (NPIC), we help underpin the ongoing evolution of cutting-edge AI, Cloud, and secure patient data solutions across the NHS. Our Picture Archiving and Communications System (PACS) combines key technologies to provide better outcomes for both patients and healthcare professionals across the UK.

See product demonstration

Sports Hall, 12.30-12.45



At Siemens Healthineers, we pioneer breakthroughs in healthcare. For everyone. Everywhere. Sustainably. As a leader in medical technology, we want to advance a world in which breakthroughs in healthcare create new possibilities with a minimal impact on our planet. By consistently bringing innovations to the market, we enable healthcare professionals to innovate personalised care, achieve operational excellence and transform the system of care.

Our portfolio, spanning in vitro and in vivo diagnostics to image-guided therapy and cancer care, is crucial for clinical decision-making and treatment pathways. With the unique combination of our strengths in patient twinning, precision therapy, as well as digital, data and artificial intelligence (AI), we are well positioned to take on the greatest challenges in healthcare. We will continue to build on these strengths to help overcome the world's most threatening diseases, enable efficient operations, and expand access to care.

See product demonstration

Sports Hall, 12.45-13.00

Silver sponsors



Hevi AI is a pioneering health technology company focused on advancing medical imaging through state-of-the-art deep learning and computer vision solutions. Its AI-powered products - hStroke_Suite(hStorke_Suite CT, hStroke_Suite DWI, hStroke_Suite LVO), hProstate, hChestXR, and hBreastMMG - target major public health concerns including stroke, breast cancer, lung cancer, and prostate cancer. Integrated into healthcare systems globally, Hevi AI improves diagnostic accuracy, optimizes clinical workflows, and supports radiologists with fast, reliable, and data-driven insights.

See product demonstration

Sports Hall, 10.15-10.30

BARCODE

WAREHOUSE



Delivering smarter Healthcare with barcode, RFID and Managed Services

The Barcode Warehouse (TBW) is one of the UK's leading providers of barcode, RFID, enterprise mobility and managed services, with over 280 staff based in Newark, Nottinghamshire. Our Healthcare Division specialises in delivering integrated solutions that help NHS Trusts and healthcare organisations greatly improve patient care through enhancing operational efficiencies and equipment management.

From mobile working to establishing department workflows and business intelligence dashboards we enable healthcare providers to make smarter, faster data-driven decisions.

Our proven "All-In-One Solutions" integrate inventory management, real-time location tracking (RTLS) and digital patient records, deliver measurable savings in time, cost and resource management.

TBW has coveted Platinum partner status with global manufacturers such as Zebra, Honeywell, Tagnos and Toshiba. This ensures we can provide our customers with cost effective and competitive pricing options along with full lifecycle support through our Managed Services division.

We offer a wide range of healthcare technology including barcode scanners, printers, RFID systems, software and labels – all supported by our experienced team of technical experts and project managers.

See product demonstration

Sports Hall, 13.15-13.30

Johnson & Johnson MedTech

At Johnson & Johnson MedTech, we are working to solve the world's most pressing healthcare challenges through innovations at the intersection of biology and technology. With deep expertise in surgery, orthopaedics, vision and interventional solutions, we design healthcare solutions that are smarter, less invasive and more personalised.

See product demonstration

Sports Hall, 13.00-13.15

Keynote speakers' biographies



Dr Ai Lyn Tan

Associate Medical Director, Research and Innovation

Dr Tan is the Director of Research and Innovation at the Leeds Teaching Hospitals NHS Trust, an Associate Professor at the Leeds Institute of Rheumatic and Musculoskeletal Medicine at the University of Leeds, and a Consultant Rheumatologist at Chapel Allerton Hospital and the NIHR Leeds Biomedical Research Centre. Dr Tan's main research interests include using imaging techniques such as MRI and ultrasound to improve the understanding of the pathogenesis of arthritis and muscle conditions. Dr Tan was awarded Young Investigator Awards from the British Society for Rheumatology and the Asia Pacific League of Associations for Rheumatology, and was one of the first NIHR Clinical Lecturers, and subsequently held the NIHR Clinical Scientist Award.

Prior to this, Dr Tan was the Clinical Lead for the Musculoskeletal Specialty Group at the Yorkshire and Humber CRN, and the Research and Innovation Lead for Chapel Allerton Hospital CSU. She recently stepped down as the co-lead for Leeds Institute of Rheumatic and Musculoskeletal Medicine Postgraduate Research Studies after 10 years, and currently co-leads the Movement and Physical Activity Network at the University of Leeds and is on the steering committee of the Empower Leeds Women Network. Until recently Dr Tan has been Editor-in-Chief for Rheumatology Advances in Practice, an official journal of the British Society for Rheumatology. Dr Tan is an advocate for physical activity in promoting health and runs every day, volunteers as a Social Media Ambassador for parkrun UK, and is an active member of the medical community on X (formerly twitter).

Visit our website for more detail about our speakers.
www.leedsth.nhs.uk/research/ri-annual-conference-2025



Professor Tony Young,
National Clinical Director for Innovation, NHS England

Tony is a practising frontline NHS consultant urological surgeon and Associate Medical Director at Mid and South Essex Hospitals NHS Foundation Trust, Director of Medical Innovation and Entrepreneurship at Anglia Ruskin University, and the founder of four Med-Tech start-ups.

In September 2014 he became the first National Clinical Lead for Innovation for the NHS. In this role he provides clinical leadership and support in delivering improved health outcomes in England. He drives the uptake of proven innovations across the NHS, promotes economic growth through innovation, and helps make the NHS the go-to place on the planet for medical innovation.

In 2015, Tony founded the NHS Clinical Entrepreneur Programme (CEP). This

has become the world's largest entrepreneurial workforce development programme in healthcare and life sciences. The CEP has delivered over £1bn of inward investment into the UK and created over 500 life science companies. In the 2019 New Year's Honours list Tony was awarded the OBE for services to clinical leadership.

Tony's portfolio at NHS England covers the whole landscape of health and social care innovation. This currently includes leadership and oversight of programmes and policy areas including: The National Innovation Accelerator, the CEP, the patient entrepreneur programme, the dementia innovators programme, SBRI Healthcare, the NHSE/NICE prioritisation subgroup and updating NHS IP policy, Tech transfer and investment capability.



Kate Lodge,
Partnership Director, Leeds Academic Health Partnership

Kate leads one of the UK's biggest partnerships of its kind: Leeds Academic Health Partnership.

The Partnership comprises the city's three main universities and NHS organisations, Leeds City Council, Leeds City College, third sector and regional organisations.

Reporting to their respective chief executives and vice-chancellors at board level, Kate leads the mission to bring partners together help solve the city's hardest health challenges. The team identifies and brokers new opportunities for transforming health and care which could be best achieved in partnership.

Through its new brand Health Innovation Leeds, Kate oversees the city's first unified, marketing approach to position

Leeds nationally and internationally as a leading health innovation hub and attract inward investment.

In these ways, with a focus on tackling inequality and helping boost economic growth, the Partnership supports Leeds ambition to be the best city by 2030 in which to live and work.

Kate's passion for health and care transformation spans her career to date. She has managed complex change in this sector through her senior roles at Health Innovation Yorkshire and Humber, and healthcare consulting firms Finnamore and GE Healthcare Partners.

Kate is also a co-opted member of the Leeds City College Board.

Abstract submissions

All the submitted abstracts are available to view on our website:

www.leedsth.nhs.uk/research/ri-annual-conference-2025

Future research projects and innovation projects

Interested in being part of a research? Talk to our team or visit our dedicated webpage: www.leedsth.nhs.uk/research/leeds-research

Interested in innovation? Please contact the Innovation team at the Innovation Pop Up: Innovation.lth@nhs.net

The best academic and improvement work for the year, voted for by you

Healthcare professionals and academics across the Trust have shared their best academic and improvement work for the year by submitting an abstract and a poster summary. You can view all of the abstracts online.



All abstracts submitted have been peer-reviewed with the top 68 on display in the Sports Hall. You can vote for your favourite poster* which you think displays the most innovative approach or strongest impact at the Conference by scanning or clicking on this QR code.

Voting will close at 15.50 on the day.

The top three winners will be announced by Dr Magnus Harrison on the day.

**Please note, each delegate is only able to vote for one poster.*

We value your feedback!

Thank you for attending the Leeds Teaching Hospitals NHS Trust Research and Innovation Conference 2025. Your insights are invaluable to us as we strive to continually improve and enhance our events.



Please scan the QR code or click on the link to access a short feedback form.

[Research and Innovation Conference 2025 Feedback Form](#)