

Digital Innovation Hub Programme

Panel Member Biographies

Professor the Lord Darzi of Denham (Chair)

Ara Darzi is Director of the Institute of Global Health Innovation at Imperial College London and holds the Paul Hamlyn Chair of Surgery. He is a Consultant Surgeon at Imperial College NHS Trust and the Royal Marsden NHS Foundation Trust, a non-executive director of NHS Improvement, Chair of the Accelerated Access Collaborative and Co-Director of the NHS Digital Academy.

Ara is a Fellow of the Academy of Medical Sciences and the Royal Society, Honorary Fellow of the Royal Academy of Engineering, and formerly an EPSRC council member. His research portfolio is mainly in convergence science in areas of engineering, physical and data sciences for robotics, sensing, imaging and digital technologies.

In 2002, Professor Darzi was knighted, and in 2007 introduced to the House of Lords as the Parliamentary Under-Secretary of State for Health. In 2008, whilst Health Minister, he produced the seminal report *High Quality Care for All*. In 2014 he was asked by the then London Mayor, Boris Johnson, to chair the London Health Commission. He has been a member of Her Majesty's Most Honourable Privy Council since June 2009 and was awarded the Order of Merit in January 2016.

Professor Peter Bradley

Peter Bradley is Director for Health Intelligence in Public Health England (PHE), offering strategic leadership in health intelligence across the life course.

Peter has wide public health experience from Wales, Norway and England at local and national level together with experience of international consultancy. Peter has also published a range of high-impact reports and academic publications related to decision-support and has honorary academic posts at Cambridge and City Universities.

He has won several awards for innovation in health intelligence and health improvement and now has a major interest in entrepreneurial approaches, data science and digital innovation. He is currently an NHS England clinical entrepreneur.

Sarah Brooke

Sarah is a regular user of NHS services due to her own long-term condition and as a result of being a mother of 3 children. She has a keen interest in the ethical use of personal data in the face of increased use of artificial intelligence in the delivery of public services. She is a member of the HDR UK Public Advisory Board.

Sarah is a commercial lawyer and independent consultant with considerable experience advising both public and private sectors.

She worked for the Department of Health and Social Care (DHSC) for over a decade, providing strategic procurement advice and commercial assurance on IT and medical equipment issues. More recently, Sarah has worked for PricewaterhouseCoopers and Hill Dickinson LLP support teams advising central government in the UK and overseas.

Professor Dame Anna Dominiczak

Anna Dominiczak is Regius Professor of Medicine, Vice Principal and Head of the College of Medical, Veterinary and Life Sciences at the University of Glasgow; Honorary Consultant Physician and Non-Executive Member of NHS Greater Glasgow and Clyde Health Board; and Health Innovation Champion of the Medical Research Council. Recognised as one of the world's leading cardiovascular scientists and clinical academics, her research interests include hypertension, cardiovascular genomics and precision medicine. Anna has led major research programmes and has over 400 publications in peer-reviewed journals. In 2016, she was awarded a DBE for services to cardiovascular and medical science.

Anna is the driving force behind the fundraising, development and delivery of the University's clinical academic campus at Queen Elizabeth University Hospital in Glasgow, comprising Clinical Research Facilities; a Teaching and Learning Centre; a state-of-the-art Imaging Centre of Excellence, including the UK's first 7Tesla MRI scanner in a clinical setting; and a Clinical Innovation Zone (CIZ). Based on a triple helix partnership between academia, NHS and industry to accelerate innovation, maximise patient benefit and stimulate business growth, CIZ is home to the Stratified Medicine Scotland - Innovation Centre and the Industrial Centre for Artificial Intelligence Research in Digital Diagnostics.

Dr John D. Halamka, M.D.

John D. Halamka leads innovation for Beth Israel Lahey Health. Previously, he served for over 20 years as the chief information officer (CIO) at the Beth Israel Deaconess Healthcare System.

He is chairman of the New England Healthcare Exchange Network (NEHEN), and a practicing emergency physician. He is also the International Healthcare Innovation professor at Harvard Medical School.

Dr Halamka completed his undergraduate studies at Stanford University, where he received a degree in medical microbiology and a degree in public policy with a focus on technology issues. He entered medical school at the University of California, San Francisco and simultaneously pursued graduate work in bioengineering at the University of California, Berkeley focusing on technology issues in medicine. He completed his residency at Harbor-UCLA Medical Center in the Department of Emergency Medicine.

As the leader for innovation at the \$7 billion Beth Israel Lahey Health, he oversees digital health relationships with industry, academia, and government worldwide. As a Harvard professor, he has served the George W. Bush administration, the Obama administration, and national governments throughout the world planning their healthcare IT strategy.

In his role at BIDMC, Dr Halamka was responsible for all clinical, financial, administrative, and academic information technology, serving 3,000 doctors, 12,000 employees, and 1,000,000 patients.

Professor Derek Hill

Derek Hill is President of Panoramic Digital Health, and part time Professor of Medical Imaging Sciences at UCL. He previously founded IXICO (in 2004) to provide digital technology and services to the pharmaceutical industry, to support both drug development and management of patients. IXICO was initially focused on medical imaging (MRI, PET, CT etc) but expanded into other digital

technologies including wearable biosensors. Under Derek's leadership, IXICO reached profitability in 2011 and was admitted onto the London Stock Exchange AIM in 2013.

Following the acquisition of optimal medicine in 2015, Derek stepped down as CEO and founded a new business, Panoramic Digital Health in 2018, focused on technology to support regulatory compliance of digital health technologies. He also works with a number of customers in the pharmaceutical and medtech sectors on their regulatory and commercial strategy, and has considerable experience interacting with regulators in the US and Europe.

Derek did an undergraduate degree in Physics at Imperial College, MSc in Medical Physics, PhD in medical image analysis, and then held academic positions in KCL and UCL. He took business training at the London Business School as part of UCL's CSEL programme.

In addition to his business activities, he is a member of the Executive Committee of the Dementias Platform UK, was a member of UK Prime Minister David Cameron's Research Advisory Group for Dementia, has been a regular commentator on science news stories in the media.

Professor Dame Sue Hill

Sue Hill is the Chief Scientific Officer for England and the head of profession for the healthcare science workforce in the NHS and associated bodies, providing professional leadership and expert clinical advice across the health and care system. She is a respiratory scientist by background with an international academic and clinical research reputation.

Professor Hill has a broad portfolio of policy responsibilities and has led a variety of major system and workforce transformation initiatives for the Government to improve patient outcomes and service effectiveness in the NHS and beyond.

Sue is the Senior Responsible Officer for Genomics in NHS England, driving the programme to introduce a nationwide Genomic Medicine Service transforming care pathways across a wide range of clinical conditions. This builds on her work in leading the NHS contribution to the 100,000 Genomes Project. She also provides strategic leadership for the Health Education England Genomics Education Programme.

Sue was made a Dame Commander of the British Empire in the 2018 Queen's Birthday Honours in recognition of the scale of her contribution to British genomics.

Professor Jackie Hunter

Jackie Hunter has over thirty years of experience in the bioscience research sector, working across academia and industry including leading neurology and gastrointestinal drug discovery and early clinical development for GlaxoSmithKline. Before joining BenevolentAI Jackie was Chief Executive of the Biotechnology and Biological Sciences Research Council.

BenevolentAI is using AI to change the way pharmaceutical R&D is conducted. Jackie has also championed new business models, such as open innovation, establishing OI PharmaPartners Ltd to drive innovation in Life Sciences.

She was awarded a CBE in the Queen's Birthday Honours list in 2010 for Services to the Pharmaceutical Industry and recognized by Forbes Magazine as one of the top 20 Women Advancing

AI Research. She is a member of the Biomedical Board for A*Star in Singapore, the Science Advisory Board for the Data Science Institute at Imperial College, London and a Board Director of the UK Bio-Industry Association as well as participating in numerous panels and reviews for funders.

She is also a visiting Professor at Imperial College and at St Georges Hospital Medical School. She has had held Board positions for both private and public companies.

John Jeans CBE

John Jeans is Chair of the Digital Health and Care Institute and serves on the Boards of EM Imaging and Renishaw plc. His previous positions include Directorships of several public and private companies in the UK, Asia and the Americas.

He is a Fellow of Cardiff University and was previously Chair of Council. John was Deputy Chief Executive of the Medical Research Council and Chaired the Trustee Board of MRC Technology (LifeArc).

An advisor to public organisations, he was appointed by the Prime Minister in 2014 as Life Science Champion for medical technology. He has served on several Government bodies, was an inaugural member of the Science Advisory Council for Wales and a founder Trustee of the Francis Crick Institute.

He is Chair of the Strategic Advisory Panel for the Singapore Government's Diagnostics Hub, a member of its Advanced Manufacturing Advisory Panel and its Health and Biomedical Sciences Advisory Council.

In a 35-year industrial career he held senior leadership positions in Smith & Nephew, Bristol Myers Squibb, Johnson & Johnson and Amersham plc. John headed the commercial function of GE's Life Science business and was the Chairman of its UK Healthcare Company.

Dr Dominic King

Dominic King is the Health Lead at DeepMind, a world leader in artificial intelligence research and its application for positive impact. DeepMind's work in health encompasses AI research projects in medical imaging and electronic health records and working with hospitals to put advanced technologies at the service of clinicians and patients.

He is an Honorary Clinical Lecturer at Imperial College London, where he previously worked as an academic general surgeon. Dominic's research interests include digital health, health policy, patient safety and behavioural economics. As part of his PhD, he co-authored the Cabinet Office Mindspace report, which served as the initial operating framework for the Behavioural Insights Team, established by UK Prime Minister David Cameron.

He has contributed to research published in Nature, Nature Medicine, the Lancet and the BMJ and contributed to sessions at the World Economic Forum and Tech Crunch Disrupt. The clinical app company Dominic co-founded, Hark, was acquired by DeepMind in early 2016.

Professor Carole Longson

Carole has a remit at ABPI to shape UK life science policy to ensure the UK remains at the forefront of innovation. Carole brings significant experience to the role, including seven years at GlaxoSmithKline R&D. She spent 18 years at NICE where she pioneered NICE's technology evaluation programmes.

Carole was on the Scientific Advisory Committee for Innovative Medicines Initiative (IMI) and holds non-Executive Director and advisory roles in scientific endeavours in the UK and abroad. Throughout her career, Carole has championed the public and private sector collaborating to ensure medical innovation benefits patients in the UK.

Dr Sam Roberts

Sam Roberts was recently appointed Chief Executive of the Accelerated Access Collaborative, the national umbrella organisation for health innovation, hosted in NHS England and NHS Improvement.

She originally trained as a doctor and practiced medicine in South Africa, the UK, and Australia before undertaking an MBA and joining McKinsey and Company, where she worked in a wide range of industries before specialising in healthcare.

After McKinsey she moved into the NHS as a senior manager at a large teaching hospital in London (UCLH) and a director in an Academic Health Sciences Centre and Network (UCLPartners) and following this she took on the role of Director of Innovation, Research and Life Sciences at NHS England and NHS Improvement last year.

Over the last five years she has become involved in research, working with health economic models to inform evidence-based policy, initially at the London School of Economics before moving to the University of Oxford to undertake a DPhil (PhD).

Dr Andrew Roddam

Andrew is currently vice president and head of Collaborations in Data & Computational Sciences at GSK. Andrew trained as a statistician at the University of Oxford although he has spent most of his career to date working as an epidemiologist.

He started his professional career in infectious disease epidemiology, before spending a significant amount of time in oncology working at Cancer Research UK's Epidemiology Unit in Oxford. He moved to industry in 2009 and held various roles first at Amgen and then latterly at GSK where he was most recently Global Head of Epidemiology and RWE.

Andrew is an internationally renowned expert in epidemiological research and the intersection with health informatics leading to his interest in utilising routine data for research purposes. Andrew participates on several expert advisory boards where his expertise in epidemiological methods and health informatics are highly regarded.

Dr Margaret Rogers

Margaret is a health service user and mother of two junior doctors. She is particularly interested in the challenge of engaging those who have helped to create potentially invaluable health data whilst engendering their trust and confidence. Margaret is a member of the HDR UK Public Advisory Board.

In addition, she brings a wealth of varied health-related experience. Moving from a cancer and palliative care nursing career in the USA, she obtained a Master's in Public Health from John Hopkins University. Margaret's first role in England was as a researcher in a regional Public Health Directorate.

Whilst at Cambridge University she obtained a PhD (doctor-patient communication in hospital-based cancer care) and continued to conduct health services research in the primary care setting until joining the regional charity, East Anglia's Children's Hospices, first as a researcher and then as Director of Education, Training and Research.

This led to a move to Manchester University as a lecturer in supportive and palliative care, where she combined her cancer research and experience with terminally ill children and led the Health Services Research Working Party of the National Cancer Research Institute Teenage and Young Adults with Cancer Clinical Studies Development Group.

Professor Steve Thornton

Steve Thornton is the Vice Principal (Health) at Queen Mary University of London and is a consultant obstetrician at Barts Health NHS Trust.

Steve qualified from Southampton University in 1983 and undertook his clinical training in Obstetrics and Gynaecology in Newcastle upon Tyne where he started research into the mechanism of human term and preterm labour. His work has particularly focussed on preventing and treating preterm labour given its major implications for the life and health of baby.

Following his appointment as Professor at the University of Warwick in 1998, Steve has subsequently held the position of Dean at Peninsula College of Medicine and Dentistry in September 2010, before being appointed as Pro-Vice-Chancellor and Executive Dean at the University of Exeter Medical School in 2015. Steve joined Queen Mary University of London as Vice-Principal (Health) in 2015.

Steve holds a number of external Board and advisory positions, including as Non-Executive Director of Barts Health NHS Trust. Steve is also Chair of UKMed for Medical Schools Council and General Medical Council, which, for the first time, provides a platform for collating data on the performance of UK medical students and trainee doctors across their education and future career.