

**Devices for Dignity  
Healthcare Technology  
Co-operative**



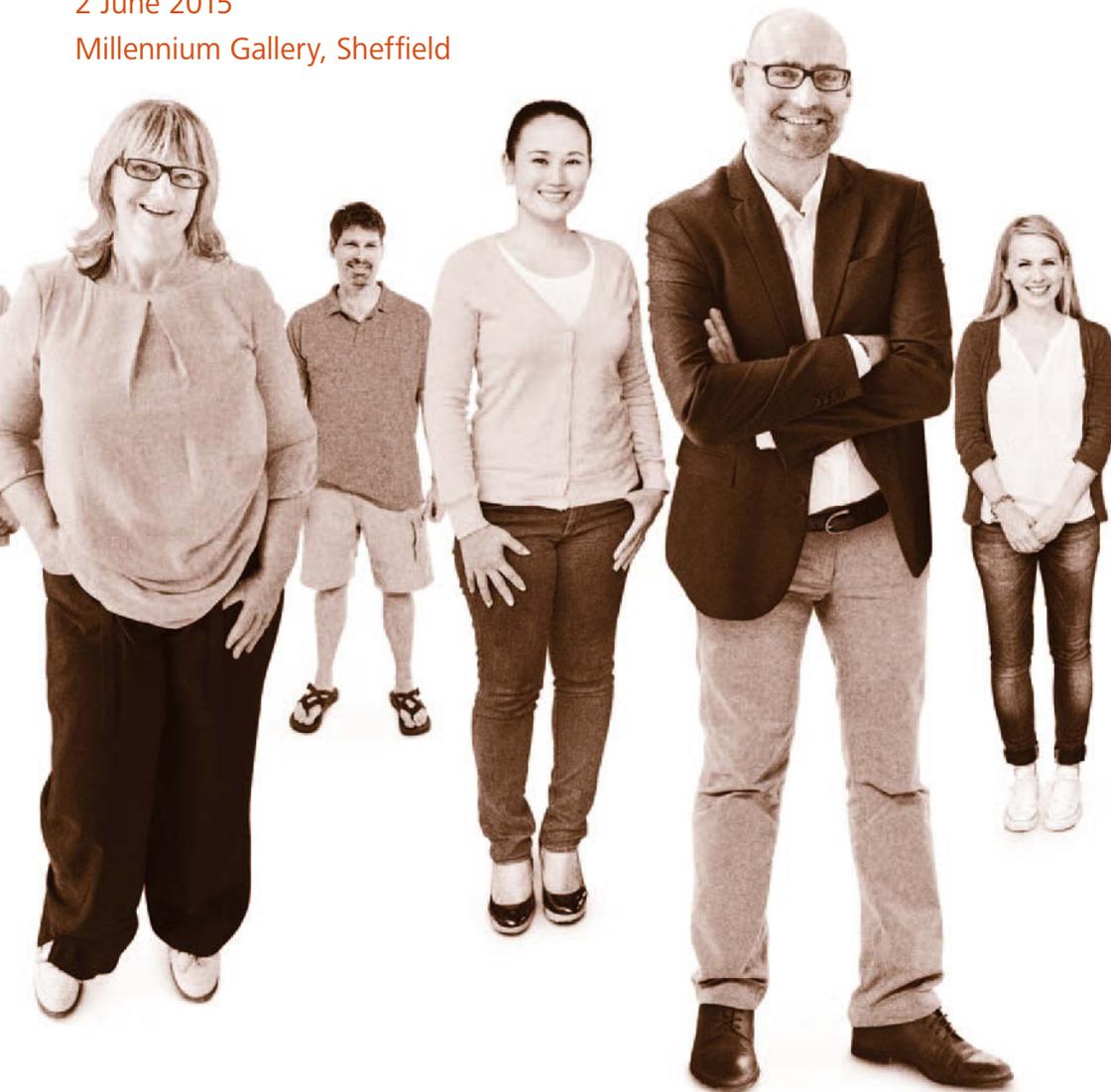
***National Institute for  
Health Research***

# **My Dignity Means:**

## **A Patient-led Event**

2 June 2015

Millennium Gallery, Sheffield



**Devices for Dignity Healthcare Technology Co-operative (D4D HTC) is a national initiative funded by the National Institute for Health Research (NIHR) to drive forward innovative new products, processes and services to help people living with long time conditions.**

We aim to make a difference to the wellbeing of patients, the effectiveness of the NHS, and the wealth of the nation. Working with patients, carers and the public, clinical and healthcare staff, industry, academics and charities, we bring real solutions to areas of unmet clinical and patient need.

Our work focuses on four key areas:

- Renal Technologies
- Assistive and Rehabilitative Technologies
- Urinary Continence Management
- Paediatric Technologies

# My Dignity Means:

## A Patient-led Event

2 June 2015

Millennium Gallery, Sheffield

**10.00** Registration and refreshments

**10.30** **Vivienne Parry** - Welcome

**10.40** **Wendy Tindale** – Devices for Dignity: our future together

**10.45** **Kate Allatt** – Unlocking and assisting disability

**11.15** Innovation in action: the development of a new device

**11.45** **Andy Reid** - Standing Tall

**12.20** Lunch

**1.05** **David Coyle** - Independence and dignity: What you told us

**2.10** Refreshments

**2.30** **Devices for Dignity** - our expert clinical themes

**3.00** Your choice of discussion sessions with our clinical experts

- Urinary Continence Management
- Renal Technologies
- Assistive and Rehabilitative Technologies

**3.45** **Roz Davies** - closing remarks

**4.00** Thank you and goodbye

# Kate Allatt

LOCKED IN SYNDROME SURVIVOR

**Kate Allatt - Locked-In Syndrome Survivor - Winner Extraordinary Woman 2011- Founder 'Fighting Strokes' Trust - Internationally Published Author of 'Running Free', and Motivational Speaker**

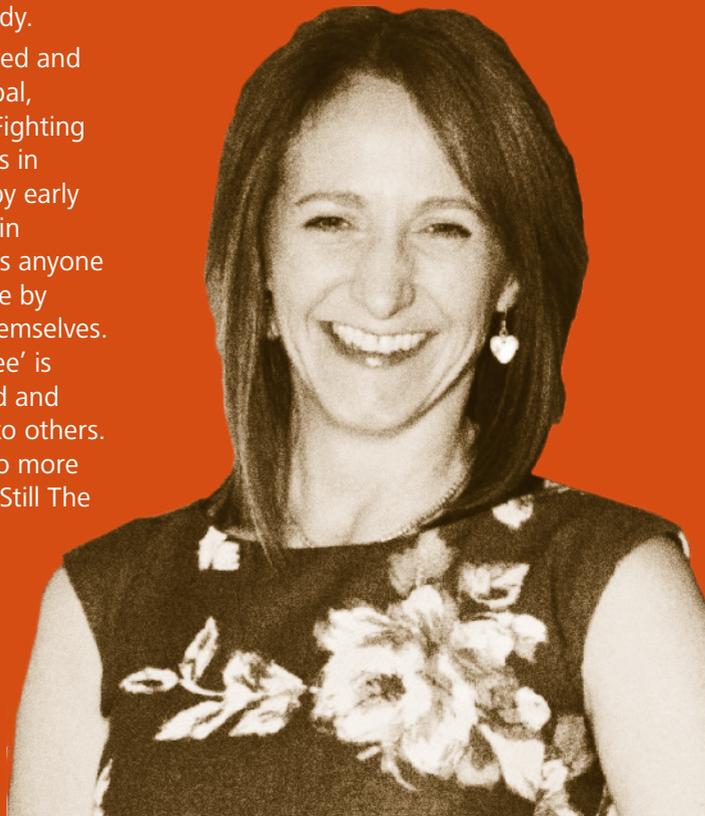
Kate was a super fit and married mother of three. She emerged from a coma to think and feel normally yet move absolutely nothing. She was considered unconscious but she wasn't. Kate was stripped of all her dignity but worse still, any hope of recovery. She was existing in a living nightmare as she lay trapped inside her body.

Remarkably, she fully recovered and went on to establish her global, inspirational, digital charity, Fighting Strokes. Whilst she specialises in supporting people affected by early brainstem stroke and locked in syndrome, her charity inspires anyone affected by any type of stroke by motivating people to help themselves. Kate's first book 'Running Free' is now internationally published and much respected, and useful to others. She has gone on to write two more books, her third being 'I Am Still The Same' - a practical self-help stroke recovery e-book. She is very interested in all issues surrounding goal planning, assistive technology,

physical rehabilitation, dignity, compassion, and continence but also the debilitating emotional sides of stroke and mental health. Kate is currently filming a ground breaking documentary film about locked in patients, as well as developing a stroke recovery app.

She believes there are 'no promises, just possibilities' in recovery after a stroke but she thinks self-belief is fundamental. Kate's journey will truly astonish audiences!

@KateAllatt



# Andy Reid

CHARITY ADVOCATE AND TRIPLE AMPUTEE

**In 2009, whilst on patrol with 3rd Battalion The Yorkshire Regiment in Afghanistan, Andy stood on a pressure plate IED.**

As a result of the explosion, he lost his right leg below the knee, left leg above the knee, and right arm.

After being flown back to the UK, Andy astounded people with his recovery by only spending only two weeks in hospital. However before he could go home there was an urgent need for it to be made wheelchair accessible. The Soldiers' Charity made an immediate grant to pay for a wheelchair ramp, alterations to the front entrance and a bed downstairs.

Since then Andy has won The Sun's Millie Award for Overcoming Adversity in 2010 and married his partner Claire in 2011.

Andy has become a passionate ambassador for charity, helping to raise much needed funds and awareness of the rehabilitation and support that some soldiers need.

He's done two tandem skydives, taken part in the St Helen's 10K Run, abseiled down the Big One in Blackpool and has done countless other activities. Andy has been medically discharged from the Army and in late 2012 became a father to little William. His autobiography 'Standing Tall: The Inspirational Story of a True British Hero' was published in 2013 and stormed to the top of the book charts.

Andy says 'I have met amazing and inspirational people who test their physical and mental limit to raise much needed funds for others. I keep pushing myself forward to show other guys injured in service what can be done, that it's not the end of the world and you can carry on as normal a life as possible'.

You can find Andy on Twitter:

[@andyreid2506](https://twitter.com/andyreid2506)



# David Coyle

RENAL PATIENT LEAD FOR  
NIHR DEVICES FOR DIGNITY HTC

## **David was diagnosed with Polycystic Kidney Disease at the age of 25.**

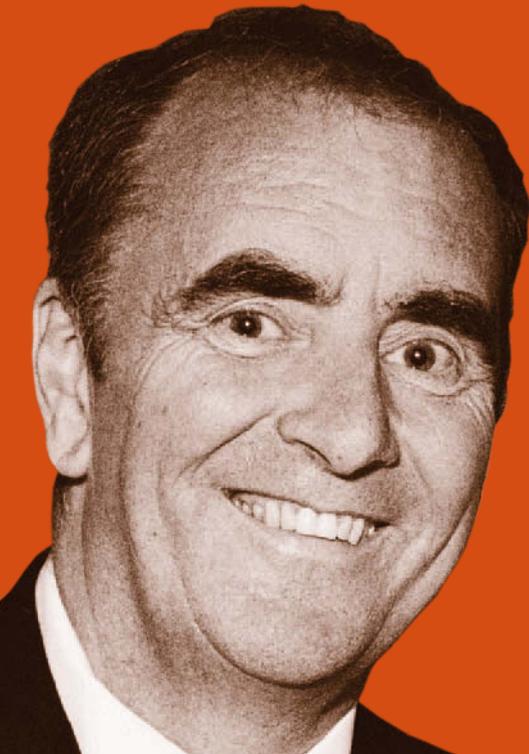
Thirty years on, he has survived kidney failure, a kidney transplant, cancer, COPD, further kidney failure and a return to dialysis - enough to bring down even the most resilient person. David believes all patients have a choice to make; we can either succumb to our long-term illness, or we can choose to take control of our lives.

His philosophy is: "Life is full of challenges and it is our ability to adapt and overcome that makes us all so special". David views his conditions as "inconvenient". There are bad days, but at the same time we need to try and live our life as positively as possible.

He has worked hard to remain in work, continues to lead a busy family life, including visits to the gym twice a week and is a volunteer Scout Leader in charge of 30+ eight to ten year-olds every Monday. Innovation in home dialysis technology has been key to help him achieve this, he dialyses independently as a Home Nocturnal Haemodialysis patient.

David's areas of interest are how technology is deployed to improve quality of service delivery in the NHS to facilitate greater levels of dignity and independence for patients and carers.

David works exclusively in the renal arena both on a professional and voluntary basis. He has been working with D4D since late 2013 and is both a project manager and Renal Patient lead.



# Roz Davies

MANAGING DIRECTOR  
RECOVERY ENTERPRISE and WE LOVE LIFE

## **Roz has lived with type 1 diabetes for 18 years.**

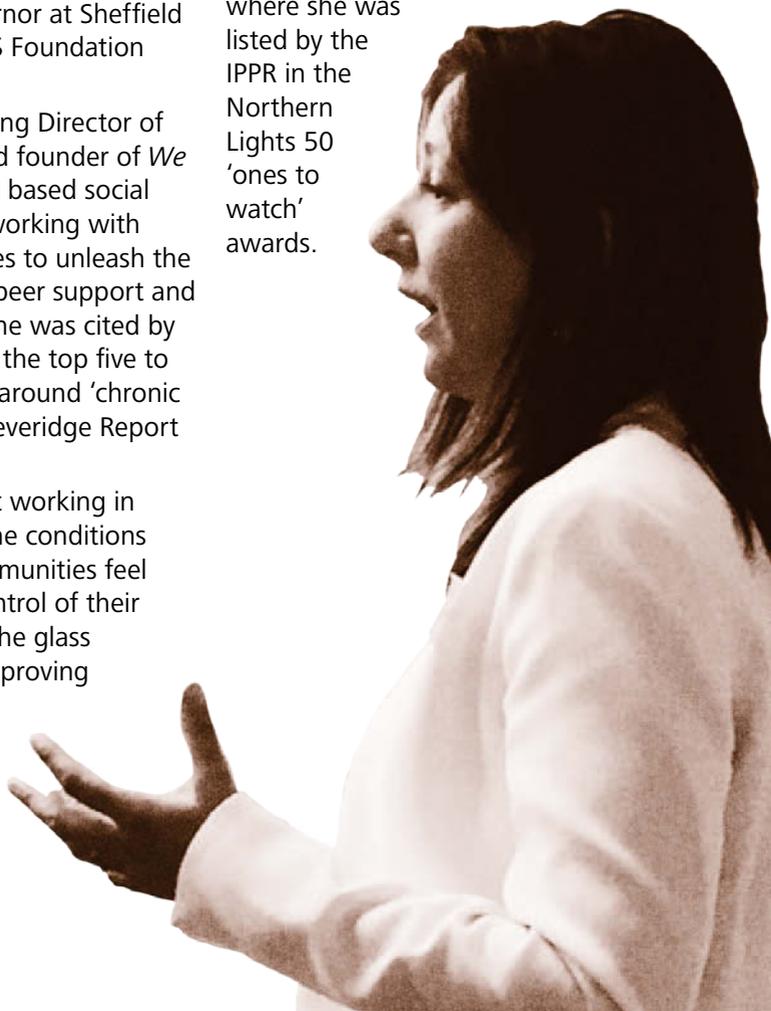
She is an active citizen member of the Move More Sheffield Board and has worked and volunteered across many elements of the NHS including a secondment at NHS England and as a Foundation Trust Governor at Sheffield Teaching Hospitals NHS Foundation Trust.

Roz is currently Managing Director of *Recovery Enterprise* and founder of *We Love Life*, two Sheffield based social enterprises which are working with people and communities to unleash the combined potential of peer support and digital health. In 2014 she was cited by the Guardian as one of the top five to follow on social media around 'chronic illness' as part of the Beveridge Report revisited series.

She is passionate about working in partnership to create the conditions where people and communities feel empowered to take control of their health and believes in the glass half full approach to improving wellbeing!

She has spent 20 years developing solutions which improve wellbeing in different contexts

including working with people who are homeless at Shelter where she was awarded a national volunteering award for her contributions to reducing homelessness and developing the Community Health Champion model as Director at Altogether Better where she was listed by the IPPR in the Northern Lights 50 'ones to watch' awards.



# Vivienne Parry OBE

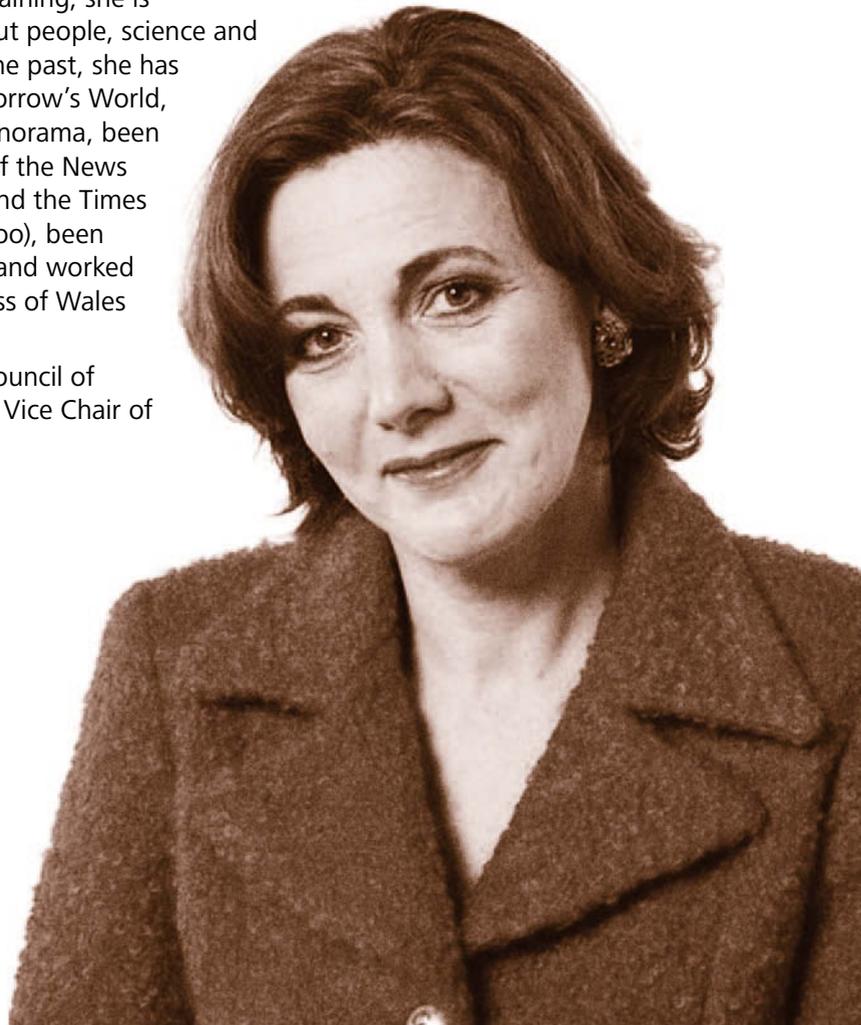
WRITER AND BROADCASTER

## **Vivienne Parry is a writer and broadcaster.**

Familiar to Radio 4 audiences as the voice of many science and medicine programmes including 'Just So Science', she also writes for a wide range of magazines.

A scientist by training, she is passionate about people, science and gardening. In the past, she has presented Tomorrow's World, reported for Panorama, been the columnist of the News of the World (and the Times and Guardian too), been an agony aunt and worked with the Princess of Wales for 12 years.

She is on the Council of the MRC and is Vice Chair of Council of UCL.



# Wendy Tindale OBE

CLINICAL DIRECTOR OF NIHR DEVICES FOR DIGNITY

**Professor Wendy Tindale is Scientific Director of Medical Imaging and Medical Physics at Sheffield Teaching Hospitals NHS Foundation Trust and also Head of Nuclear Medicine for the Trust's three sites.**

As a Consultant Clinical Scientist, Wendy provides scientific leadership for one of the largest NHS centres of medical technology in the UK, overseeing the delivery of a wide spectrum of clinical scientific developments and services.

She has extensive experience in frontline patient care, service delivery and improvement, as well as healthcare innovation. Professor Tindale has published widely in the scientific literature, from imaging to bioengineering, and has successfully translated research outcomes for patient benefit.

In addition to her roles with Sheffield Teaching Hospitals NHS Foundation Trust and NIHR Devices for Dignity HTC Wendy holds a Chair at the University of Sheffield. She has an interest in combining clinical academic excellence with business opportunities through commercial translation of innovative medical technologies and has worked with both public and private sectors to facilitate successful collaborations.



Wendy has contributed to numerous national and international committees, including Royal College Working Parties and Government advisory bodies. She is currently Chair of the NIHR/HEE Healthcare Science Fellowship Programme and a member of the NICE Medical Technologies Advisory Committee. In 2011 she was given a Beacon Award for outstanding contribution to healthcare and in 2013 was honoured in the Health Service Journal's inaugural Inspirational Women awards for outstanding leadership in her field.

Wendy was honoured with an OBE for Services to Healthcare in the 2014 New Year's Honours list.

# Christopher Chapple

URINARY CONTINENCE MANAGEMENT THEME  
LEAD FOR NIHR DEVICES FOR DIGNITY HTC

**Professor Christopher Chapple is a Consultant Urological Surgeon at Sheffield Teaching Hospitals, Honorary Professor at the University of Sheffield and Visiting Professor at Sheffield Hallam University.**

He has a particular interest in functional reconstruction of the lower urinary tract and the underlying pharmacological control mechanisms, and provides a tertiary service in lower urinary tract reconstructive surgery. He trained at the Middlesex Hospital where he subsequently completed his doctoral thesis, and continued there and at the Institute of Urology in London for his sub-specialist training.

He is the Secretary General of the European Association of Urology, having previously been the Chairman of the International Relations Committee, Adjunct Secretary General responsible for Education, and Director of the European School of Urology. He is the editor-in-chief of the journal *Neurourology and Urodynamics* and is on the editorial board of several international journals. He is an active member of many urological associations and societies including the British Association of Urological Surgeons, the European Association

of Urology, the International Continence Society, the Association of Academic European Urologists and the American Association of Genitourinary Surgeons. He has chaired a number of guidelines and initiatives including the NICE Guidelines Development Group on male lower urinary tract symptoms and was co-chairman of the ICUD consultation on male LUTS in 2012. He was awarded the St Peter's medal by the British Association of Urological Surgeons in 2011. Professor Chapple has co-authored over 350 articles in peer-reviewed Journals and has written several books and a number of book chapters.



# Sandip Mitra

RENAL TECHNOLOGIES THEME LEAD  
FOR NIHR DEVICES FOR DIGNITY HTC

**Dr Sandip Mitra is a Consultant Nephrologist at Central Manchester NHS Foundation Trust, and is Theme Lead for D4D Renal Technologies.**

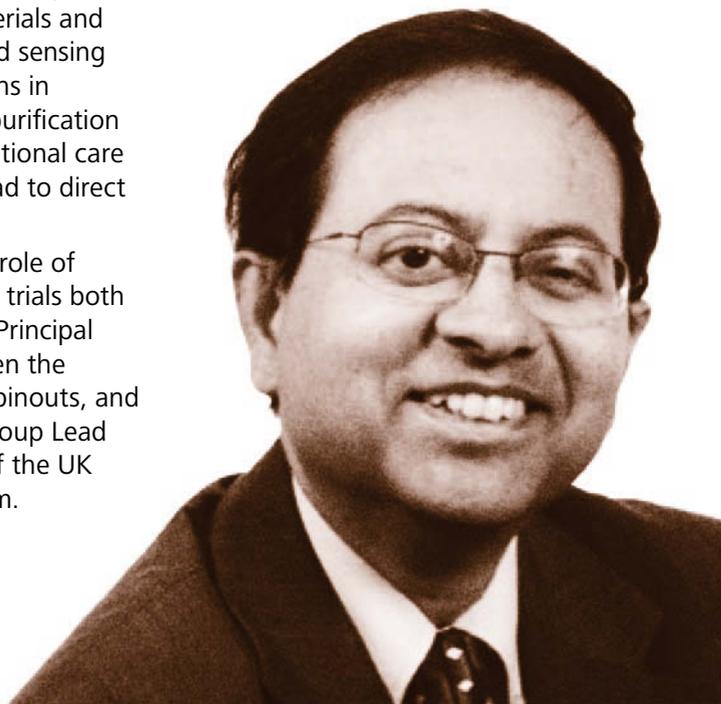
His academic research interests are around dialysis medicine and blood purification techniques. Early research interests in the investigation of cardiovascular mechanisms and interstitial fluid compartment shifts in extracorporeal therapies at UCL contributed to the development of blood volume monitoring technology, a part of standard dialysis care today.

His current applied research programme includes projects in biomaterials and devices for extracellular fluid sensing and its transport, innovations in vascular access and blood purification technology, and transformational care delivery models that can lead to direct patient benefit.

Sandip has undertaken the role of investigator in many clinical trials both as a Chief Investigator and Principal Investigator. Sandip has been the inventor in two academic spinouts, and is National Clinical Study Group Lead for Haemodialysis as part of the UK Kidney Research Consortium.

He is a key national opinion leader in home haemodialysis, Advisor to the National Renal Clinical Director, Expert Advisor for ESRD treatments at the National Horizon Scanning centre, and a guideline reviewer for the Renal Association.

He is a member of the Clarity Knowledge Development Group on behalf of NICE Clinical Knowledge Summaries, and Chair of the UK Clinical Advisory Committees to global industry leaders in pharmaceuticals and extracorporeal technology.



# Elizabeth Lindley

RENAL TECHNOLOGIES THEME LEAD  
FOR NIHR DEVICES FOR DIGNITY HTC

**Elizabeth Lindley is a Specialist Clinical Scientist working in the Department of Renal Medicine at the Leeds Teaching Hospitals NHS Trust and a facilitator for the UK Renal Technology course in Bradford.**

Although Lizzi originally trained as a solid state physicist at the Institute Laue-Langevin in Grenoble, she moved to cancer research soon after completing her PhD and then to renal care in 1989.

Lizzi is currently moderator of the RenalPro e-mail discussion forum for renal care professionals, and a member of the European Renal Association's Best Practice Advisory Board (ERBP) and the UK Renal Association's Clinical Practice Guidelines committee.

Her interests include body composition monitoring, management of renal anaemia and bone disease, preservation of kidney function, quality assurance in dialysis and promotion of shared care.



# Mark Hawley

ASSISTIVE AND REHABILITATIVE TECHNOLOGIES  
THEME LEAD FOR NIHR DEVICES FOR DIGNITY HTC

**Mark Hawley is Professor of Health Services Research at the University of Sheffield, UK, where he leads the Rehabilitation and Assistive Technology Research Group.**

He is also Honorary Consultant Clinical Scientist at Barnsley Hospital, where his Assistive Technology Team provides specialist electronic assistive technology services within Yorkshire. Over the last 20 years, he has worked as a clinician and researcher – providing, researching,

developing and evaluating assistive technology, telehealth and telecare products and services for disabled people, older people and people with long-term conditions.

Mark is Director of the Centre for Assistive Technology and Connected Healthcare (CATCH) at the University. He leads a number of projects funded by the National Institute for Health Research and the Technology Strategy Board, and leads the Assistive Technology theme of the Devices for Dignity Healthcare Technology Cooperative. In 2007, he was awarded the Honorary Fellowship of The Royal College of Speech and Language Therapists for his service to speech therapy research.

Mark Hawley is based in the Rehabilitation and Assistive Technology Research Group in Health Services Research.



# Rory O'Connor

ASSISTIVE AND REHABILITATIVE TECHNOLOGIES  
THEME LEAD FOR NIHR DEVICES FOR DIGNITY HTC

**Rory O'Connor is Associate Clinical Professor in Rehabilitation Medicine and Head of the Academic Department of Rehabilitation Medicine, Institute of Rheumatic and Musculoskeletal Medicine, University of Leeds.**

He is an honorary NHS Consultant Physician and Lead Clinician for Specialist Rehabilitation Medicine Services in the National Demonstration Centre at Leeds Teaching Hospitals NHS Trust and Leeds Community Healthcare NHS Trust, the regional specialist

rehabilitation centres for people with disabling acquired and congenital conditions.

His research focuses on how disabled adults and children with musculoskeletal conditions and neurological injuries (e.g. stroke, multiple sclerosis, cerebral palsy) (re)-acquire functional skills. He was awarded the Philip Nichols Prize (2003) by the British Society of Rehabilitation Medicine and the Annual Research Prize (2006) by the European Academy of Rehabilitation Medicine in recognition of his research.

He is chairman of the Specialist Advisory Committee responsible for training doctors in rehabilitation medicine in the UK. Rory is also a member of the NICE Medical Technologies Advisory Committee.



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# Lab4Living

DESIGN FOR LIFE AND FOR LIVING

**Lab4Living is an exciting collaboration between the Art and Design Research Centre and the Health and Social Care Research Centre at Sheffield Hallam University, and users, clients and customers.**

This creative partnership brings together research expertise spanning the fields of health, rehabilitation, design, arts, media, computing, engineering, ergonomics and user led design and research.

Our aim is to develop environments and propose creative strategies for future living in which people of all ages and abilities 'not merely survive' but are enabled and empowered to live with dignity, independence and fulfilment. Our approach adopts a holistic, human-centred approach rather than focussing solely on medical or social care provision.

Our work moves into the realm of total quality of life; facilitating the functional whilst also addressing issues of identity,

individuality and spirituality, and enhancing aspirational qualities such as pleasure and leisure.

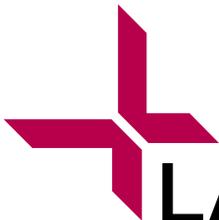
But we don't pretend that we can do this on our own. It can only happen with the mixture of relevant knowledge and experience from different disciplines, professions and, most importantly, the end users.

We use creative practices to bring these different groups of people together, to enable them to share experiences and see each other's perspectives. These approaches can be used to make enquiry into activities, needs and wants that might be hard to articulate, sensitive or taboo. We enable people to think in different ways, to re-think health, life, professional practices, professional structures, organisations, systems, social habits and behaviours.

From these approaches arise new ideas; new ways of doing things... but it also empowers people to take ownership, to make change happen.

[www.lab4living.org.uk](http://www.lab4living.org.uk)

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# LAB 4 LIVING

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Established by Innovate UK to build better links between science, creativity and business, the Knowledge Transfer Network has specialist teams covering all significant sectors of the economy, from defence and aerospace to the creative industries, the built environment to biotechnology and robotics. Our expertise in connecting sectors, disciplines and skills with the right collaborations and business approach is what helps unlock the tremendous hidden value in people and companies.

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# Frazer-Nash Consultancy

ADDING VALUE THROUGH SYSTEMS ENGINEERING

**Our systems approach can make a real difference to the quality of people's lives.**

At Frazer-Nash, we've been applying our expertise to challenges in industries as diverse as renewable energy, marine, defence, transport, nuclear and aerospace. The breadth of our expertise means we can transfer technical knowledge and know-how from one industry to another.

With the health sector, we've found new ways of doing things, applied our technical skills to both new and existing products, and solved problems using ideas from other industries.

Underpinning our work, is our people's desire to solve complex problems; using skills in materials; mechanical design; electrical and electronic systems; fluids; systems and processes; human factors, and project management.

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# Our Partners

## NHS Partners



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The Leeds Teaching Hospitals NHS Trust  
Sheffield Children's NHS Foundation Trust  
The Newcastle upon Tyne Hospitals NHS Foundation Trust  
Central Manchester University Hospitals NHS Foundation Trust

## University Partners

The University of Sheffield  
Sheffield Hallam University  
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## Charity Partners

Bladder and Bowel Foundation



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