
PROFESSOR MONICA BUSSE, PHD CARDIFF UNIVERSITY (2005)

I am a chartered physiotherapist and trials methodologist based in the Centre for Trials Research (CTR) at Cardiff University. I qualified as a physiotherapist in South Africa and have lived and worked in South Africa and the USA before moving to the UK in 1998. I worked as a senior physiotherapist in the NHS before transitioning into a research role and moving to Wales in 2002 to do my PhD. I was awarded an NIHR post-doctoral fellowship in 2012 which provided me with the opportunity to progress my formal training in complex interventions trials methods and process evaluations. I am particularly interested in developing evidence in support of complex lifestyle and behaviour change interventions. My research over the last 15 years has informed the first evidenced based international physiotherapy clinical guidelines for Huntington's Disease. I am currently coordinator of the DOMINO-HD consortium funded through the JPND Multinational research projects on Health and Social Care for Neurodegenerative Diseases. I was principal investigator in the FP7 REPAIR-HD consortium and have conducted extensive research focused on validation and development of outcome measures for use in Huntington's Disease clinical trials and studies. I have spoken widely on the role of physical activity for Huntington's Disease at international Huntington's Disease meetings and family days and am an active advocate for promoting physical activity irrespective of ability.

As active allied health professional researcher, I now lead a range of national and international research teams and mentor early career clinicians and researchers in varied health and social care settings. I serve on both Medical Research Council and National Institute of Health Research Funding panels, am a fellow of the Higher Education Academy and an elected fellow of the Learned Society of Wales, the national academy for arts and sciences in Wales. My ORCID-ID is 0000-0002-5331-5909, H-index (Scopus) is 26 and my life-time grant income is in the region of £19 000 000.00.

EMPLOYMENT AND CURRENT ROLES

Current	Professor. Centre for Trials Research. Cardiff University. Director of Health and Care Research Wales Faculty
---------	--

PREVIOUS EMPLOYMENT

2016 to 2022	Director Mind Brain Neuroscience Trials. Cardiff University
2015 to 2016	Deputy Head of School of Healthcare Sciences, Cardiff University: Research and Innovation
2014 to 2016	Professor of Healthcare Sciences, Cardiff University, Associate Director South East Wales Trials Unit, Cardiff University
2010 to 2014	Senior Lecturer: School of Healthcare Sciences, Cardiff University, UK

EDUCATION

1990-1993	Degree qualifications: BSc Physiotherapy	University of Stellenbosch
1994-1996	BSc (Med) Hons. (first class)	University of Cape Town
1996-1999	MSc (Med) (distinction)	University of Cape Town
2002-2005	PhD	University of Wales
1998	Additional qualifications and professional memberships: Registered Physiotherapist Health Professions Council PH 53577	
2001	Member of Chartered Society of Physiotherapy January	
2003	Fellow of Higher Education Institute	
2005	Post Graduate Certificate in Teaching Statistics in Higher Education (Royal Statistical Society)	
2017	Post graduate Diploma in Clinical Trials (London School of Hygiene and Tropical Medicine)	

PRIZES, AWARDS AND HONOURS

2021	Fellowship of Learned Society of Wales
2022	American Physical Therapy Association Combined Sections Best Platform Presentation Award. "Consultative Coaching Model for Long-Term Exercise Engagement in People with Huntington's Disease."
2013	Journal of Neurologic Physical Therapy Golden Synapse Award Most outstanding paper in 2013 for Busse M, et al. A Randomized Feasibility Study of a 12-week Community-based Exercise Program in people with Huntington's disease. Journal of Neurologic Physical Therapy 2013; 37(4):149-58.

SELECTED HUNTINGTON'S DISEASE RELATED SCIENTIFIC CITIZENSHIP

2018 ongoing	Elected member of the global Enroll-HD Scientific Planning Committee
2018	EHDN 2018 Abstract review committee. EHDN Plenary meeting. Vienna, Austria
2016-2018	Member of the International Steering Committee of the International Guidelines for care project for Huntington's Disease
2016	EHDN 2016 Session chair. Keeping Brain Cells Functioning- Targeting Neural Recovery And Replacement. EHDN Plenary meeting. The Hague, Amsterdam
2016	EHDN 2016 Abstract review committee. EHDN Plenary meeting. The Hague, Amsterdam
2015-2017	Invited member of Movement Disorder Society task force on rating scales in Huntington's disease
2014-2018	Elected member EHDN Scientific & Bioethics Advisory Board
2008-2015	Co-lead facilitator of the European Huntington's Disease Network (EHDN) Physiotherapy working group.
2008	Member of National Institute of Neurological Disorders (NINDS) Common Data Elements (CDE) Review group

CURRENT RESEARCH GRANTS

2021-2023	National Institute for Health Research. £1,055,520.00. Long Covid Personalised Self-management support- co-design and Evaluation (LISTEN). Co-Chief investigator.
2021-2022	Wellcome Trust –Translation of Concept Scheme (Institutional Translational Partnership Award (ITPA). £19,648 Guided Self-Help Movement-based Intervention to Improve Physical and Psychological Outcomes for Survivors of Torture and Trauma in Wales and Beyond. Co-applicant
2020-2023	Health and Care Research Wales. £2,470,489.00. Centre for Trials Research Infrastructure renewal. Principal Investigator.
2019-2023	JPND Multinational research projects on Health and Social Care for Neurodegenerative Diseases. €2,049,523.75. Co-Ordinator.

SELECTED PUBLICATIONS (of 100)

1. Quinn L, Kegelmeyer D, Kloos A, Rao AK, **Busse M**, Fritz NE. Clinical recommendations to guide physical therapy practice for Huntington disease. *Neurology*. 2020 Jan 6. pii: 10.1212/WNL.0000000000008887. doi: 10.1212/WNL.0000000000008887.
2. Bachoud-Levi, Anne-Catherine, Ferreira, Joaquim, Massart, Renaud, Youssov, Katia, Rosser, Anne, **Busse-Morris, Monica**, Craufurd, David, Reilmann, Ralf, Michele, Giuseppe De, Rae, Daniela, Squitieri, Ferdinando, Seppi, Klaus, Perrine, Charles, Scherer-Gagou, Clarisse, Audrey, Olivier, Verny, Christophe and Burgunder, Jean-Marc 2019. International guidelines for the treatment of Huntington's Disease. *Frontiers in Neurology* 10, article number: 710. (10.3389/fneur.2019.00710)
3. Katy Hamana, Lori Quinn, Tina Gambling, **Monica Busse**. An exploration of physical activity experiences throughout the Huntington's disease journey: supporting development of theoretically underpinned complex interventions. *Disability and Rehabilitation*. Published online: 07 Oct 2019.
4. **Busse, Monica**, Quinn, Lori, Drew, Cheney, Kelson, Mark, Trubey, Robert, McEwan, Kirsten, Jones, Carys, Townson, Julia, Dawes, Helen, Tudor-Edwards, Rhiannon, Rosser, Anne and Hood, Kerenza. Physical activity self-management and coaching compared to social interaction in Huntington's disease? Results from the ENGAGE-HD randomized, controlled, pilot feasibility trial. *Physical Therapy*. Volume 97, Issue 6, 1 June 2017, Pages 625–639.
5. Lori Quinn, Katy Hamana, Mark Kelson, Helen Dawes, Johnny Collett, Julia, Townson, Raymund Roos, Anton Adriaan van der Plas, Ralf Reilmann, Jan C. Frich, Hugh Rickards, Anne Rosser, **Monica Busse**. A randomized, controlled trial of a multi-modal exercise intervention in Huntington's disease. *Parkinsonism & Related Disorders*. 2016; 10.1016/j.parkreldis.2016.06.023 Lori Quinn, Rob Trubey, Nina Gobat, Helen Dawes, Rhiannon Tudor Edwards, Carys Jones, Julia Townson, Cheney Drew, Mark Kelson, Vincent Poile, Anne Rosser, Kerenza Hood, **Monica Busse**. Development and Delivery of a Physical Activity Intervention for People with Huntington's disease: Facilitating translation to clinical practice. *Journal of Neurologic Physical Therapy*. 2016. 40(2), 71-80.
6. Dawes H, Collett J, DeBono K, Quinn L, Jones K, Nemeth A.H, Rosser A, Izardi H, **Busse M** on behalf of the members of the COMMET-HD management group. Dawes, H. et al. 2015. Exercise testing and training in people with Huntington's disease. *Clinical Rehabilitation* 29(2), pp. 196-206. (10.1177/0269215514540921).