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| TITLE AND NAME: |
| Prof Helen Dawes |
| PRESENT APPOINTMENT: |
| Elizabeth Casson Trust Chair, Professor in Movement Science, Director Centre for Rehabilitation, Deputy Director Oxford Institute of Nursing & Allied Health Research (OxINMAHR) Oxford Brookes University |
| QUALIFICATIONS: |
| 2006: Research Accreditation. British Association of Sport and Exercise Sciences2001-2002: Postgraduate Cert in Higher Education (PCTHE) Oxford Brookes University1998-2001: PhD University of east London.1993-94: Distinction in thesis/Top thesis mark M Med Sci University of Sheffield1984-87: Member of Chartered Society of Physiotherapists, University of Birmingham |
| PROFESSIONAL REGISTRATION *(if applicable):* |
| HPC Physiotherapist PH37845 |
| PREVIOUS TWO APPOINTMENTS HELD *(in reverse order):* |
| 2004-2007: Senior Lecturer, School of Life Sciences Oxford Brookes University2007-2010: Reader, School of Life Sciences Oxford Brookes University |
| OVERVIEW: |
| Prof Dawes is Deputy Director of OXINAHR and Head of Centre for Rehabilitation and Movement Science Group. (Citations 2068, h-index 22, i10-index 40). Dawes is funded by the Elizabeth Casson Trust, Wellcome Trust, EPSRC, Stroke Association, MS Society NIHR, The National Lottery, Action Medical Research, Dunhill Medical Trust and European Commission. |
| CURRENT/ EXTERNAL GRANTS HELD CI/PI: |
| * NIHR Oxford BRU £2.5 million Enhancing brain plasticity and increasing resilience against dementia with exercise and cognitive stimulation; Oxford Biomedical Research Centre (Dawes CI) (2012-17)
* The Stroke Association Stroke WALK (Dawes PI) £133,000 Sept 2012-16.
* The National Lottery, Oxfordshire Sports Partnership £ 482,550 Get Healthy, Get into Sport (Dawes CI)
* EU CENTER-TBI £33million Maan et al WP17.4. Development of a Patient designed Rehabilitation Process Recording Tool (Dawes CI) £149,000 2013-19
* MS Society University of East Anglia and OBU 2014-17 Exercise and Fatigue for People with MS, PhD studentship (Dawes CI) £75,000
* Elizabeth Casson Trust £500,000. (2011-16) (Dawes).Rehabilitation Research (Post Doctoral researcher, PhD studentship ‘Smart Phone monitoring for neurological conditions’
* Sportivate Funding, Sport England, Engagement Inclusion in Sport (Dawes CI) (2014-16)
* National Lottery : EPIC: Engagement Participation Inclusion Confidence in Sport Oxfordshire sports Partnership and CLEAR trust (Dawes PI) £108,000 (2014-17)
* EEF/Welcome Trust. Fit to study (Dawes CI) £920,362 (2015-19)
* EPSRC Adaptive Assistive Rehabilitative Technologies - Beyond the Clinic (Dawes CI) £1,80000 (2015-18)
* A feasibility study to determine whether the daily consumption of flavonoid-rich pure cocoa has the potential to reduce fatigue in people with Relapsing and Remitting Multiple Sclerosis (RRMS) Reference: C020-15.1 (Dawes) £75,000 (2016-2018)
* Oxford Rehabilitation International Foundation charitable donation to support rehabilitation research in Anhui Hospital of Traditional Chinese Medicine: Augmented feedback after stroke (Dawes CI) £20,000 (2015/16)
* Action Medical Research/Chartered Society of Physiotherapy. Acquisition of motor skills in children with developmental disorders. (Dawes PI) £191,000 2016/18
* Dunhill Trust Are older people putting themselves at risk of falling when using a walking frame? (Dawes CI ) £ 74,907 2016/18
* Dunhill Trust (Dawes PI) Exploration of the utility of standard physical, cognitive and

visual functioning tests in order to determine the need for an on-road driving assessment in the ageing population. £49,000 2016/17 * EU Establishment of an Interdisciplinary Clinical Master Program in Rehabilitation Sciences at JUST (JUST – CRS) Euro 971,250,00 Dawes Research Lead 2016-19
* NHS England funded Bicester Healthy New Town Programme 2016-2021- collaborator.
* Establishing protocols to assess mitochondrial function in Neutrophils and Monocytes from ME/CFS patients £20,500, ME association 2016. (Dawes CI)
* Elizabeth Casson Trust funding for an Occupational Therapy Hub £250,000
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| Previous relevant Funding  |
| Department of Health January 2007- September 2009) LIFE study Longterm Fitness Enablement in people with longterm neurological conditions – Dawes, H., Barker, K., Wade, D., Freebody, J., Hilton Jones, D., Winward, C. £250,000Nuffield Hip Walk equipment grant – treadmill (2006) accommodated in Oxford Centre for Enablement, Nuffield Orthopaedic centre Winward, C., Dawes, H £7.500Multiple Sclerosis Society (2007-2009) Safe effective exercise prescription Dawes, H., Sackley, C., Barker, K., Wade, D., Duda J., Izadi, H., Meaney, A. £149,00Economic and Social Research Council (ESRC) PhD bursary, fees and research costs (Sept 2007 – 2009) Multi-tasking in normal aging and stroke: Behaviour and underlying mechanisms. H Dawes - A Dennis. £75,000Glaxo Smith Kleine – research consultancy Dawes H fitness testing and mobility and the elderly (Sept 2009- £19,000) Welsh Assembly Safe exercise for people with HD (Busse, Rosser, Dawes) £120,000Cornwall and Isle of Scilly primary care trust RENEW exercise programme (Dawes £40,000)Technology Strategy Board, Analysis of movement from everyday movements, Smart phone application. Wildkey £96,000 – Analysis Dawes £5,000 (2011- June2013) – NIHR Research for Patient Benefit (RfPB) Programme: PB-PG-0909-20250 - (2011-2014) (Dawes et al) The effect of a longer period of exercise in people with Parkinson's disease (£249,000)Huntington’s Disease Association. Physiotherapy for people with HD £85,000. 2012-2014 Busse, Rosser, Dawes)  |
| PUBLICATIONS |
| * Weedon, B, Liu, F.Metz, R. Beunder,K , Esser, P, Collett, J, Meaney, A., Howells, K, **Dawes** H Relationship between gross upper and lower limb coordination with measures of health and fitness in children aged 13-14years Review BMJ open (under review)
* Wheatley, C., Davies E, **Dawes** H Unspoken playground rules discourage adolescent physical activity during recess: A qualitative study of constructs in the Prototype Willingness Model, Health Education Research, (Under Review)
* Lui, F, Morris, M, **Dawes** H The impact of high and low-intensity exercise in adolescents with movement impairment, PLOS (under review)
* Cuzzolin F, Sapienza M, Esser P, Saha S, Franssen MM, Collett J, **Dawes H**. [Metric learning for Parkinsonian identification from IMU gait measurements.](https://www.ncbi.nlm.nih.gov/pubmed/28288333) Gait Posture 2017 27;54:127-132
* Jones C, Busse M, Quinn L, **Dawes** H, Drew C, Kelson M, Hood K, Rosser A, Edwards RT. The societal cost of Huntington's disease: are we underestimating the burden? Eur J Neurol. 2016 Oct;23(10):1588-90.
* Collett J, Franssen M, Meaney A, Wade D, Izadi H, Tims M, Winward C, Bogdanovic M, Farmer A, **Dawes** H.Phase II randomised controlled trial of a 6-month self-managed community exercise programme for people with Parkinson's disease J Neurol Neurosurg Psychiatry. 2017 Mar;88(3):204-211
* Collett J, Meaney A, Howells K, **Dawes** H. Acute recovery from exercise in people with multiple sclerosis: an exploratory study on the effect of exercise intensities. Disabil Rehabil. 2017 Mar;39(6):551-558
* Holloway C, Dawes H [Disrupting the world of Disability: The Next Generation of Assistive Technologies and Rehabilitation Practices.](https://www.ncbi.nlm.nih.gov/pubmed/28008360) Health Technol Lett 2016 7;3(4):254-256
* Williamson W, Foster C, Reid H, Kelly P, Lewandowski AJ, Boardman H, Roberts N, McCartney D, Huckstep O, Newton J, **Dawes** H, Gerry S, Leeson P. Will Exercise Advice Be Sufficient for Treatment of Young Adults With Prehypertension and Hypertension? A Systematic Review and Meta-Analysis. Hypertension. 2016 Jul;68(1):78-87
* Demnitz N, Esser P, **Dawes H**, Valkanova V, Johansen-Berg H, Ebmeier KP, Sexton C. [A systematic review and meta-analysis of cross-sectional studies examining the relationship between mobility and cognition in healthy older adults.](https://www.ncbi.nlm.nih.gov/pubmed/27621086) 2016 50:164-174
* Jones C, Busse M, Quinn L, **Dawes H**, Drew C, Kelson M, Hood K, Rosser A, Edwards RT. [The societal cost of Huntington's disease: are we underestimating the burden?](https://www.ncbi.nlm.nih.gov/pubmed/27461550) 2016 Eur J neurol 23(10):1588-90
* Soundy A, Rosenbaum S, Elder T, Kyte D, Stubbs B, Hemmings L, Roskell C, Collett J, **Dawes H**. (2016) The hope and Adaptation Scale (HAS): Establishing Face and Content Validity. OJTR.. 4: 76-86
* Quinn L, Hanmana K, Kelson M**, Dawes H**, Collett J, Townson J, Roos R, van der Plas A, Reilmann R, Frich, J, Rickards H, Rosser A, Busse M. (2016) A randomized, controlled trial of a multi-modal exercise intervention in Huntington’s disease. Parkinsonism Relat Disord [Epub ahead of print]
* Sexton CE, Betts JF, Demnitz N, **Dawes H**, Ebmeier KP, Johansen-Berg H. [A systematic review of MRI studies examining the relationship between physical fitness and activity and the white matter of the ageing brain.](https://www.ncbi.nlm.nih.gov/pubmed/26477656) 2016 Neuroimage 1;131

Dairo Y, Collett J, Dawes H, Oskrochi, R. (2016). Physical activity levels in adults with intellectual disabilities: A systematic review. Prev Med Rep [Epub ahead of print]* Soundy A, Roskell C, Elder T, Collett J**,** **Dawes H**, (2016) The Psychological Processes of Adaptation and Hope in Patients with Multiple Sclerosis: A Thematic Synthesis OJTR. [Epub ahead of print]

Collett J, Meaney A, Howells K, Dawes H, (2016). Acute recovery from exercise in people with multiple sclerosis: An exploratory study on the effect of exercise intensity Dis Rehabil [Epub ahead of print]* Meaney A, Collett J, **Dawes H**, Howells K, Izardi H, (2015) Consistency of evoked responses to dual-stimulator, single-pulse transcranial magnetic stimulation in the lower limb of people with multiple sclerosis J Clin Neurosci 22(9):1434-7

Steins D, Sheret I, Dawes H, Esser P, Collett J. (2014) A smart device inertial-sensing method for gait analysis J Biomech 28;47(15):3780-5* Franssen M, Winward C, Collett J, Wade D, **Dawes H,** (2014) Interventions for fatigue in Parkinson's Disease. A systematic review and meta-analysis. Mov Dis (2014) 29(13):1675-8

Collett J, Esser P, Khalil H, Busse M, Quinn L, DeBono K, Rosser A, Nemeth AH, Dawes H .(2014) Insights into gait disorders: Walking variability using phase plot analysis, Huntington's disease. Gait Posture 40(4):694-700Dawes H, Collett J, Debono K, Quinn L, Jones K, Kelson M, Simpson S, Playle R, Backx K, Wasley D, Nemeth A, Rosser A, Izardi H, Busse M. (2014) Exercise testing and training in people with Huntington's disease. Clin Rehab 29(2):196-206* Steins D, **Dawes H**, Esser P, Collett J.(2014) [Wearable accelerometry-based technology capable of assessing functional activities in neurological populations in community settings: a systematic review.](http://www.ncbi.nlm.nih.gov/pubmed/24625308) J Neuroeng Rehabil. 13;11:36

Dawes H, Collett J, Meaney A, Duda J, Sackley C, Wade D, Barker K, Izadi H. (2014) Delayed recovery of leg fatigue symptoms following a maximal exercise session in people with multiple sclerosis. Neurorehabil Neural Repair 28(2):139-48. Busse M, Quinn L, DeBono K, Jones K, Collett J, Playle R, Kelly MJ, Simpson SA, Backx K, Wasley D,  Dawes H, Rosser A, and the members of the COMMET-HD management group (2014) A Randomized Feasibility Study of a 12-week Community-based Exercise Program in people with Huntington's Disease. Therapy J Neurol Phys Ther. 37(4):149-58 * **Dawes H**, Collett J, Meaney A, Duda J, Sackley C, Wade D, Barker K, Izadi H. Delayed recovery of leg fatigue symptoms following a maximal exercise session in people with multiple sclerosis. Neurorehabil Neural Repair. 2014 Feb;28(2):139-48.
* Busse M, Quinn L, Debono K, Jones K, Collett J, Playle R, Kelly M, Simpson S, Backx K, Wasley D, **Dawes H**, Rosser A; Members of the COMMET-HD Management Group. A randomized feasibility study of a 12-week community-based exercise program for people with Huntington's disease. J Neurol Phys Ther. 2013 Dec;37(4):149-58.
* Morris M, **Dawes H**, Howells K, Janssen R. Motor impairment and its relationship to fitness in children. BMJ Open 2013;3(7).
* Feltham MG, Collett J, Izadi H, Wade DT, Morris MG, Meaney AJ, et al. Cardio- and cerebrovascular adaptation in people with multiple sclerosis following a twelve week exercise programme suggest deconditioning rather than autonomic dysfunction caused by the disease Results from a randomized controlled trial. Eur J Phys Rehabil Med 2013. Jul 23.
* Barnett AL, **Dawes H**, Wilmut K. Constraints and facilitators to participation in physical activity in teenagers with Developmental Co-ordination Disorder: an exploratory interview study. Child Care Health Dev 2013;39(3):393-403
* Esser P, **Dawes H**, Collett J, Howells K (2013) Insights into gait disorders: Walking variability using phase plot analysis, Parkinsons disease. Gait Posture 38(4):648-52
* Esser P, **Dawes H**, Collett J, Feltham MG, Howells K (2012) Validity and inter-rater reliability of Inertial Gait Measurements in Parkinson's Disease: A pilot study. Journal of Neuroscience Methods 205(1):177-81
* Soundy A, Benson J, **Dawes H,** Smith B, Collett J, Meaney M. (2012) Understanding hope in patients with Multiple Sclerosis. Physiotherapy 98(4): 344-50
* Collett J, **Dawes H**, Meaney A, Sackley C, Barker K, Wade D, et al. Exercise for multiple sclerosis: a single-blind randomized trial comparing three exercise intensities. Multiple sclerosis (Houndmills, Basingstoke, England) 2011;17(5):594-603.
* Collett J**, Dawes H**, Cavey A, Meaney A, Sackley C, Wade D, and Howells K. (2011) Hydration and independence in activities of daily living in people with Multiple Sclerosis: A pilot investigation. Dis Rehabil. 33(19-20):1822-5
* Collett J**, Dawes H**, Meaney A, Sackley C, Barker K, Wade D, Izadi H, Bateman J, Duda J and Buckingham E. (2011) Exercise for Multiple Sclerosis: a single blind randomised trail comparing three exercise intensities Multiple Sclerosis. 17(5):594-603.
* Al-Yahya E, **Dawes H,** Collett J, Howells K, Izadi H, Wade DT, Cockburn J. (2009) [Gait adaptations to simultaneous cognitive and mechanical constraints.](http://www.ncbi.nlm.nih.gov/pubmed/19672583) Exp Brain Res. 199(1):39-48.
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