

## Anne Rosser Curriculum Vitae

### Personal details

Title: Professor

Name: Anne Rosser

Institution: Cardiff University

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Current post: Professor of Clinical Neuroscience

### Research or other relevant experience

Qualifications: BA, PhD, MB BChir, FRCP

#### Work history:

February 1991-February 92 Registrar in General Medicine, The Hammersmith and Ealing Hospitals, London.

March 1992-February 93 Registrar in Neurology, Addenbrooke's Hospital..

February 1993-January 94 Registrar in Neurology at the National Hospital for Neurology and Neurosurgery, Queen Square, London.

October 1994-October 2000 MRC Clinician Scientist, Cambridge Centre for Brain Repair. Consultant in Neurology, Addenbrookes hospital.

Dec 2000 – Jan 2003 Lister Institute Clinical Research Fellow, Cardiff University School of Biosciences, and Hon Consultant in Neurology, UHW

Jan 2003 Professor of Clinical Neuroscience, Cardiff University. Honorary Consultant Neurologist, UHW.

Chair of UK Huntington's disease network, Lead for the English speaking sector of the European HD network, Lead facilitator European HD network surgical working group, Scientific advisory board member for the Global study Enroll-HD.

### Major grants since 2009

EU FP7 Repair-HD Collaborative research project Heath -2013 – 1.4-1. (AE Rosser coordinator). REPAIR-HD: Human pluripotent stem cell differentiation, safety and preparation for therapeutic transplantation in Huntington's disease. £6,000 000 (Cardiff component £2,200 000), Oct 13-17

The Gossweiler Foundation (Quinn L, Busse, Dawes H, Kelly M, Nemeth A, Rickards A, Roos R, Reilmann R, Tabrizi S, Townsend J, Rosser AE). ExERT-HD: Exercise Rehabilitation Training in Huntington's Disease: £220,461, Sept 2013 -15

MRC. Dunnett SB and Rosser AE. Basic science and preclinical development of cell transplantation for basal ganglia disorders. £1,119,161 Feb 2011 - 14.

Parkinson's Disease UK. Rosser AE, Kemp P. Are astrocytes required for optimal survival of ES cell-derived dopaminergic transplants? £184,787.28; Aug 2011 –14.

WORD (Welsh Assembly Government) (M Busse and AE Rosser). Can community supported exercise benefit subjective wellbeing, physical activity levels and abilities in people with Huntington's disease? A randomised feasibility study and process evaluation. £120,908, Sept 2010- 13

WORD (Welsh Assembly government). (SB Dunnett and AE Rosser). Quality-assured human tissues for clinical trials of novel cell transplantation therapies in Wales. £163,440, April 2009 -12.

Selected recent publications:

Kelly CM, Precious SV, Scherf C, Penketh R, Amso NN, Battersby A, Allen ND, Dunnett SB, Rosser AE. Neonatal desensitization allows long-term survival of neural xenotransplants without immunosuppression. *Nat Methods*. 2009 6(4):271-3.

Kelly, CM, Precious, SV, Torres EM, Harrison A, Williams D, Scherf C, Weyrauch UM, Lane EL, Allen ND, Penketh R, Amso NN, Kemp P, Dunnett SB, Rosser AE. Medical terminations of pregnancy: a viable source of tissue for cell replacement therapy for neurodegenerative disorders. *Cell Transplant*. 2011;20(4):503-13.

Evans AE, Kelly CM, Precious SV, and Rosser AE. Molecular regulation of striatal development *Anat Res Int*. 2012 ;2012:106529.

Rosser AE, Bachoud-Lévi AC. Clinical trials of neural transplantation in Huntington's disease. *Prog Brain Res*. 2012;200:345-71.

Squitieri F, Landwehrmeyer B, Reilmann R, Rosser A, de Yebenes JG, Prang A, Ivkovic J, Bright J, Rembratt A. One-year safety and tolerability profile of pridopidine in patients with Huntington disease. *Neurology*. 2013 Mar 19;80(12):1086-94.

Khalil H, Quinn L, van Deursen R, Dawes H, Playle R, Rosser A, Busse M. What effect does a structured home-based exercise programme have on people with Huntington's disease? A randomized, controlled pilot study. *Clin Rehabil*. 2013 Jul;27(7):646-58.

Barker RA, Harrower TP, Mason SL, Swain RA, Ho AK, Sahakian BJ, Mathur R, Elneil S, Tyers P, Smith E, Carpenter A, Piccini P, Tai YF, Brooks DJ, Pavese N, Watts C, Pickard JD, Rosser AE, Dunnett SB, and the NEST-UK collaboration. The long term safety and efficacy of bilateral transplantation of human foetal striatal tissue in patients with mild to moderate Huntington's disease. *J Neurol Neurosurg Psychiatry*. 2013, 84(6):657-65.

Exercise attenuates neuropathology and has greater benefit on cognitive than motor deficits in the R6/1 Huntington's disease mouse model. Harrison DJ, Busse M, Openshaw R, Rosser AE, Dunnett SB, Brooks SP. *Exp Neurol*. 2013 Oct;248:457-69

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. A Randomized Feasibility Study of a 12-week Community-based Exercise Program in people with Huntington's Disease. *Journal of Neurologic Physical Therapy* in press.

Quinn L, Rosser AE, and Busse M. critical features in the development of exercise-based interventions for people with Huntington's disease. *European neurological review* *in press*