CURRICULUM VITAE – Davina J. Hensman Moss

Date of Birth: 4th November 1979
Email: d.hensman@ucl.ac.uk
Mobile telephone: 07801 627 852
GMC number: 6155938

Work:

March 2020 – Current: Chadburn Clinical Lecturer, St George's University of London.
August 2017 – Current: Neurology Specialist Registrar at St George's Hospital (London Training Number)
November 2011 – August 2017: Clinical Research Fellow & Honorary Specialist Registrar to Prof Sarah Tabrizi, UCL ION.
August 2007 – November 2011: Clinical Training Number and Academic Clinical Fellow jobs in London, UK: Kingston Hospital, The Hammersmith Hospital, University College London Hospital, St George's Hospital, and the National Hospital for Neurology and Neurosurgery.

Education:

2012-2017 PhD at UCL Institute of Neurology under Professor Sarah Tabrizi (inc maternity leaves)
2010 – Membership of the Royal College of Physicians
2003-2007 MBBS – St George's University of London:

- Lee Prize in Family Medicine
- Distinction in Medical Sciences; Merit in Clinical Sciences; Merit Clinical Practice

1998-2002 BA in Biological Sciences Class I – University of Oxford

- Exhibitioner of Magdalen College Oxford

1991-1998 St Paul's Girls' School, London

- A grades at A-level in Mathematics, Chemistry, Biology and Geography

Selected publications:

1. Estevez-Fraga, C, Magrinelli, F, **Hensman Moss, D**, Mulroy, E, Di Lazzaro, G, Latorre, A, Mackenzie M, Houlden H, Tabrizi SJ, Bhatia, K. P. Expanding the Spectrum of Movement Disorders Associated With C9orf72 Hexanucleotide Expansions. ***Neurology Genetics*** 2021*, 7 (2)*, e575.
2. Flower M, Lomeikaite V, Ciosi M, Cumming S, Morales F, Lo K, **Hensman Moss DJ**, Jones L, Holmans P, Monkton DG, Tabrizi ST, TRACK-HD Investigators, OPTIMISTIC Consortium. *MSH3* modifies somatic instability and severity in Huntington's and myotonic dystrophy type 1. ***Brain*** 2019. 142(7); 1876-1886.
3. Ciosi M, Maxwell A, Cumming SA, **Hensman Moss DJ**, Alshammari AM, Flower MD, Durr A, Leavitt BR, Roos RAC, TRACK-HD team, Peter Holmans, Lesley Jones, Douglas R. Langbehn, Seung Kwaki, Sarah J. Tabrizi, Darren G. Monckton. A genetic association study of glutamine-encoding DNA sequence structures, somatic CAG expansion, and DNA repair gene variants, with Huntington disease clinical outcomes. ***EBioMedicine*** 2019. **48**:568-580.
4. Goold R, Flower M, **Hensman Moss D**, Medway C, Wood-Kaczmar A, Andre R, Farshim P, Bates GP, Holmans P, Jones L, Tabrizi SJ. FAN1 modifies Huntington's disease progression by stabilizing the expanded HTT CAG repeat. ***Hum Mol Genet***. 2019 Feb 15;28(4):650-661.
5. **Hensman Moss DJ***, Pardiñas AF*, Langbehn D, Lo K, Leavitt BR, Roos R, Durr A, Mead S, Holmans P, Jones L§, Tabrizi ST§, and the REGISTRY and the TRACK-HD investigators. Identification of genetic variants associated with Huntington's disease progression: a genome-wide association study. ***The Lancet Neurology***. 2017. 16(9) 701-711. **Co-first author.*
6. **Hensman Moss DJ**, Robertson N, Farmer R, Scahill RI, Haider S, Tessari MA, Flynn G, Fischer DF, Wild EJ, Macdonald D, Tabrizi SJ. Quantification of huntingtin protein species in Huntington's disease patient leukocytes using optimised electrochemiluminescence immunoassays. ***PLOS ONE***. Dec 2017.
7. **Hensman Moss DJ**, Flower, MD, Lo KK, Miller JR, van Ommen G-J B, Hoen PAC, Stone TC, Guinee A, Langbehn DR, Jones L, Plagnol V, van Roon-Mom WMC, Holmans P, Tabrizi SJ. Huntington's disease blood and brain show a common gene expression pattern and share an immune signature with Alzheimer's disease. ***Nature Scientific Reports***. 2017. 7, 44849.
8. Bettencourt C*, **Hensman Moss** D*, Flower M*, Wiethoff S*, Brice A, Goizet C, Stevanin G, Koutsis G, Karadima G, Panas M, Yescas-Gómez P, García-Velázquez LE, Alonso-Vilatela ME, Lima M, Raposo M, Traynor B, Sweeney M, Wood N, Giunti P; SPATAX Network, Durr A, Holmans P, Houlden H, Tabrizi SJ, Jones L. DNA repair pathways underlie a common genetic mechanism modulating onset in polyglutamine diseases. ***Ann Neurol***. 2016 Jun;79(6):983-90. doi: 10.1002/ana.24656. **Co-first author.*

9. Miller JR, Lo KK, Andre R, **Hensman Moss** DJ, Träger U, Stone TC, Jones L, Holmans P, Plagnol V, Tabrizi SJ. RNA-Seq of Huntington's disease patient myeloid cells reveals innate transcriptional dysregulation associated with proinflammatory pathway activation. ***Hum Mol Genet***. 2016 May 11. pii: ddw142.
10. **Hensman Moss DJ**, Poulter M, Beck J, Hehir J, Polke JM, Campbell T, Adamson G, Mudanohwo E, McColgan P, Haworth A, Wild EJ, Sweeney MG, Houlden H, Mead S, Tabrizi SJ. C9orf72 expansions are the most common genetic cause of Huntington disease phenocopies. ***Neurology.*** 2014 Jan 28;82(4):292-9.
11. Fratta P, Poulter M, Lashley T, Rohrer JD, Polke JM, Beck J, Ryan N, **Hensman D**, Mizielinska S, Waite AJ, Lai MC, Gendron TF, Petrucelli L, Fisher EM, Revesz T, Warren JD, Collinge J, Isaacs AM, Mead S. Homozygosity for the C9orf72 GGGGCC repeat expansion in frontotemporal dementia. ***Acta Neuropathol****.* 2013 Sep;126(3):401-9.
12. Beck J*, Poulter M*, **Hensman D**, Rohrer JD, Mahoney CJ, Adamson G, Campbell T, Uphill J, Borg A, Fratta P, Orrell RW, Malaspina A, Rowe J, Brown J, Hodges J, Sidle K, Polke JM, Houlden H, Schott JM, Fox NC, Rossor MN, Tabrizi SJ, Isaacs AM, Hardy J, Warren JD, Collinge J, Mead S. Large C9orf72 Hexanucleotide Repeat Expansions Are Seen in Multiple Neurodegenerative Syndromes and Are More Frequent Than Expected in the UK Population. ***Am J Hum Genet****.* 2013 Mar 7;92(3):345-53. **Co-first author*

Book chapters:

1. **Hensman Moss DJ**, Wood NW, Tabrizi SJ. Other genetic causes of cognitive impairment: Oxford Textbook of Cognitive Neurology and Dementia Edited by Masud Husain and Jonathan M. Schott. OUP. June 2016.
2. **Hensman Moss DJ,** Tabrizi ST. A Newly Recognized HD-Phenocopy Associated with *C9orf72* Expansion: Case Studies in Movement Disorders Edited by Kailash P. Bhatia, Roberto Erro and Maria Stamelou. CUP. April 2017.

Recent Prizes and Awards:

- The Alzheimers Research UK Jean Corsan Prize which is awarded each year for the best scientific paper in neurodegeneration published by a PhD or MD/PhD student, March 2018.
- Huntington Study Group Prize for most influential paper in Huntington's disease in 2017. (Nov 2017)
- Contributed a chapter to the book "Oxford Textbook of Cognitive Neurology and Dementia Edited by Masud Husain and Jonathan M. Schott which won first prize in the Neurology section at the 2017 British Medical Association book awards.
- Brain Fellowship 2016-2017.
- Neuromics Consortium Prize for best poster presentation at the Neuromics Meeting, Berlin 2017.
- European Huntington's Disease Network Prize for best presentation at the EHDN Meeting, The Hague, 2016.

Clinical studies and clinical trials:

- Clinical fellow for the IONIS HTT-Rxx gene silencing trial, Phase 1 clinical study, London site, 2016-17
- Clinical fellow for the TrackOn-HD study, London site, 2012 – 2014
- Study rater for HD Clarity, ENROLL, EHDN REGISTRY

Selected Presentations:

1. **Davina Hensman Moss.** Huntington's disease: the disease, the genetics and prospects for treatments. MSc Genomic Medicine course lecture. St George's University of London, virtual, October 2021.
2. **Davina Hensman Moss.** Investigating patterns of intergenerational CAG repeat stability in Huntington's Disease. EHDN UK Meeting, The Barberry National Centre for Mental Health, Birmingham, October 2021.
3. **Davina Hensman Moss.** Identification of genetic variants associated with Huntington's disease progression: a genome-wide association study.
    - Jean Corsan Prize Lecture. ARUK Meeting, London, March 2018.
    - Huntingtin Study Group Meeting, Denver, USA, November 2017.
    - Neuromics Closing Meeting. Berlin, May 2017.
    - CHDI Therapeutics Conference, Malta, May 2017.
4. **Davina Hensman Moss.** DNA repair pathways underlie a common genetic mechanism modulating onset in polyglutamine diseases. European Huntington's Disease Association, The Hague, September 2016.
5. **Davina Hensman Moss.** Genetic modifiers of Huntington's disease progression. Association of British Neurologists, Brighton, May 2016
6. **Davina Hensman Moss**. Assessing the HD phenotype in TRACK-HD and Registry for use in genetic studies. EHDN Meeting, Barcelona, September 2014