CURRICULUM VITAE – Dr Davina J. Hensman Moss
GMC number: 6155938

Work:

March 2024 – Current: Senior Clinical Research Fellow, UCL Institute of Neurology
March 2024 – Current: Honorary Consultant Neurologist, NHNN, UCLH
September 2023 – Current: Consultant Neurologist, Royal Surrey NHS Foundation Hospital Trust.
March 2020 – February 2024: Chadburn Clinical Lecturer, St George's University of London.
August 2017 – July 2023: 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:

2022 – Royal College of Physicians Speciality Certificate in Neurology
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

Selected Publications:

1. Rajagopal S, Donaldson J, Flower M, **Hensman Moss DJ**, Tabrizi SJ. Genetic modifiers of repeat expansion disorders. Emerg Top Life Sci. 2023 Dec 14;7(3):325-337.
2. Ibañez K, Jadhav B, Facchini S. Garg P, Zanovello M, Martin-Trujillo A, Gies SJ, Galassi Deforie V, Gagliardi D, **Hensman Moss D**, Moutsianas L, Shoai M, Genomics England Research Consortium, EUROSCA network, Caulfield MJ, Cortese A, Escott-Price V, Hardy J, Houlden H, Sharp AJ, Tucci A. Population Frequency of Repeat Expansions Indicates Increased Disease Prevalence Estimates Across Different Populations. Medrxiv posted July 2023. https://www.medrxiv.org/content/10.1101/2023.07.03.23292162v1 (accepted- Nature Medicine)
3. Papoutsi M, Flower M, **Hensman Moss D**, Holmans P, Estevez-Fraga C, Johnson E, Scahill RI, Rees G, Langbehn D, Tabrizi SJ and the Track-HD Investigators. Intellectual enrichment and genetic modifiers of cognitive function in Huntington's disease. Brain Communications 2022; 4(6).
4. 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.
5. 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.
6. 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.
7. 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.
8. **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.*
9. **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.

10. **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.
11. 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.*
12. 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.
13. **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.
14. 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.
15. 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, March 2018.
- Huntington Study Group Prize for most influential paper in Huntington's disease in 2017. (Nov 2017)
- 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. 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. 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. Identification of genetic variants associated with Huntington's disease progression: a genome-wide association study. Alzheimers Research UK meeting, London 2018
4. DNA repair pathways underlie a common genetic mechanism modulating onset in polyglutamine diseases. European Huntington's Disease Association, The Hague, September 2016.
5. Genetic modifiers of Huntington's disease progression. Association of British Neurologists, Brighton, May 2016**.**

Other roles:

Lead Facilitator of the Genetic Modifiers Working Group, EHDN 2022-current.

Elected as a member of the Scientific & Bioethics Advisory Board, EHDN. 2022-current.