Curriculum Vitae

Personal Data:

Name: Nourelhoda Ahmed Ahmed Haridy

Birth Date: 04/02/1984

Place of birth: Assiut, Egypt. ***Nationality:*** Egyptian.
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Current Occupation:

- Lecturer of Neurology - Neurology and Psychiatry Department- Assiut University-Egypt.

Qualifications and Academic records:

- M.B.B.Ch degree in medicine & surgery from Assiut University, Faculty of medicine, signed up "Excellent with honour", September 2007.
- First part of master's degree in Neurology and Psychiatry signed up with "Very Good" studying anatomy, physiology, biochemistry, histology, pharmacology, pathology, microbiology, and general surgery, October 2010.
- Master's degree (M.Sc.) in Neurology and Psychiatry from Assiut University signed up "Very Good," with an essay titled (Neuroepidemiology in clinical practice), October 2012.
- The first part of the Ph.D. degree in Neurology studying Physiology, Neuropathology, pharmacology, genetics, Medical statistics, and ethics of research), October 2014.
- Hospital management preparatory Diploma (online) with oxford academic university, January 2015.

- Medical doctor degree in neurological disease with a Ph.D. thesis titled (Mutation analysis of Egyptian patients with hereditary peripheral neuropathy, ataxia and spastic paraparesis) (UCL-Assiut university), October 2020.

Professional records:

- 2001-2007: Student at Faculty of Medicine, Assiut University.
- Internship at Assiut University Hospital. (March 2008 - March 2009).
- Residency in Department of Neurology and Psychiatry, Assiut University Hospitals - Assiut-Egypt. (March 2009-March 2012)
- Demonstrator in the Department of Neurology. (March 2012- January 2013)
- Assistant lecturer and clinical fellow in the Department of Neurology. Assiut University Hospitals - Assiut-Egypt. (January 2013 – November 2020).
- Newton- Mosharafa joint Ph.D. Scholarship and worked as an Honorary research fellow in the Department of Molecular Neuroscience, UCL Institute of Neurology, Queen Square, London, UK (November 2015 to December 2018).
- Lecturer of Neurology in Department of Neurology, Assiut University Hospitals - Assiut-Egypt. (December 2020 till now).

Main Areas of Interest:

- I am interested in neurogenetics, neurodegenerative, movement disorders and neuromuscular disorders.

Laboratory Experiences: (during my Newton-Mosharafa joint Ph.D. scholarship)

- Trained in the Neurogenetics lab in the UCL Institute of Neurology under the supervision of prof/ Henry Houlden and gained several genetic and genomic techniques essential to the investigation of inherited neurologic conditions, including hereditary peripheral neuropathy, ataxia and hereditary spastic paraplegia.
- Worked out several genomic techniques that included DNA extraction, PCR and Sanger sequencing in addition to other approaches such as Homozygosity mapping, analysis of NGS data, PCR and fragment analysis for cases of hereditary ataxia and MLPA analysis for cases with inherited peripheral neuropathy.

Member of professional bodies:

- Member of Egyptian society of Neurology, Psychiatry and Neurosurgery (ESNPN)

Conferences and workshops:

In Egypt:

- Attended many of the Egyptian Congresses of Neurology and Psychiatry (2009- 2015).

- Participated in the workshop (PCR principles and applications) level 1(November 2014) at the molecular biology research unit of Assiut university (MBRU)
- Participated in the workshop (Principles and different applications of DNA sequencing) level 2 (December 2014) at the molecular biology research unit of Assiut university (MBRU)
- Attended Botulinum Toxin-A Skilful Injection Workshop in Kasr Alani annual meeting Cairo Neuro 2014 (December 2014).
- Attended the Neurogenetics Online School: Organized by IBRO MENA and Mongi Ben Hamida National Institute of Neurology held on ZOOM on the 10th, 11th and 12th of December 2020.
- Participated as a speaker in many conferences held in Egypt in 2021, 2022 and 2023 in different fields of neurology, including the Egyptian neuromuscular conferences, the Egyptian Parkinson and movement disorders conference, Neurorehabilitation and Neuroepidemiology conferences.

<u>In the UK:</u>

- Attended the weekly clinical grand round, seminars and Neurogenetics clinics (December 2015- December 2018).
- Attended many courses held by university College London about research fundamentals and statistics.
- Attended the course: Neurology 2016: leading edge neurology for the practicing clinician. From 30th March to 1st of April 2016, UCL Institute of Neurology, Queen Square, London, UK.
- Attended the Update in Neuromuscular Disorders course, Queen Square London, from 3-6 May 2016.
- Attended the Update in Neuromuscular Disorders course, Queen Square London, from 23-26 May 2017.
- Attended the Update in Neuromuscular Disorders course, Queen Square London, from 22-25 May 2018
- Attended QS Advances in Mitochondrial Medicine 2018, Queen Square WC1N3BG on 05 July 2018.
- Attended Queen Square Multiple Sclerosis (MS) Course - A Clinical Update Held on 45th October 2018 At UCL Institute of Neurology, Queen Square, London.
- Participated in many conferences and presented my joint Ph.D. research work.
    - Participated in E-Poster Presentation at the “International Conference on Neurology and Brain Disorders” during June 26-28, 2017, in Valencia, Spain.
    - Participated by poster at the 11th UK Neuromuscular Translational Research Conference Fitzwilliam College, Cambridge on Thu 19 and Fri 20 April 2018.

- Participated by a poster in the 15th International Congress on Neuromuscular Diseases ICNMD 2018 Vienna, Austria, 06/07/2018-10/07/2018.

Awards:

- Newton-Mosharafa scholarship: Awarded November 2015
- WFN Junior Travelling Fellowship: Awarded July 2018
- Best poster in the first Egyptian Parkinson and movement disorders conference 2022.
- MDS-AS Visiting Trainee Grant Program (2024): MDS trainee at the Reta Lila Weston Institute, UCL Institute of Neurology Under supervision of Professor Thomas Warner.

Editorial and Reviewer Contributions.

- Editorial Board Member at the BMC Neurology.
- Peer Reviewer at: The Egyptian Journal of Neurology, Psychiatry and Neurosurgery and, The Journal of Nervous and Mental Disease.

Publications:

1. Jai Sidpra, Sniya Sudhakar, Asthik Biswas, Flavia Massey, Valentina Turchetti, Tracy Lau, Edward Cook, Javeria Raza Alvi, Hasnaa M Elbendary, Jerry L Jewell, Antonella Riva, Alessandro Orsini, Aglaia Vignoli, Zara Federico, Jessica Rosenblum, An-Sofie Schoonjans, Matthias de Wachter, Ignacio Delgado Alvarez, Ana Felipe-Rucián, **Nourelhoda A Haridy**, ... & Kshitij Mankad, 2024. The clinical and genetic spectrum of inherited glycosylphosphatidylinositol deficiency disorders. Brain, awae056.

2. Eman M. Khedr, Gellan K. Ahmed, Mohammad Ahmad Korayem, Sara Ahmed Salah Hussain Elamary, Maha M. El-kholyand **Nourelhoda A. Haridy**, 2024. Short-Term Therapeutic Effect of Repetitive Transcranial Magnetic Stimulations of Sleep Disorders in Parkinson's Disease: A Randomized Clinical Trial (Pilot Study). Brain Sciences, 14(6), p.556.

3. Ahmed GK, Karim AA, Khedr EM, Elbeh K, Moheb A, Abokresha M, **Nourelhoda A Haridy**, 2024. Case Report: Avoidant/restrictive food intake disorder after tonsillectomy. Frontiers in Psychiatry, 15:1351056.

4. Bastawy M Al Fawal, Eman M Khedr, **Nourelhoda A Haridy**, Abdelrahman S Elsoghier, Mohamed Nemr Othman, Ahmed Abdelwarith, 2024. Impact of COVID-19 Pandemic on Patients with Tension-Type Headache. Aswan University Medical Journal.

5. Shahera Sayed Ahmed Abd El Maged, Khalid O Mohamed, Hassan M Farweez, **Nourelhoda A Haridy**, 2024. Determining Optimal Cut-Off Value For Ultrasound-Measured Median Nerve Cross-Sectional Area For Diagnosis Of Carpal Tunnel Syndrome In A Sample Of Egyptian Population. Journal of Current Medical Research and Practice, 9(2):9-18.

6. Gellan K Ahmed, Haidi Karam-Allah Ramadan, Khaled Elbeh, **Nourelhoda A Haridy**, 2024. The role of infections and inflammation in schizophrenia: review of the evidence. Middle East Current Psychiatry, 31(1):9.

7. Gellan K Ahmed, Haidi Karam-Allah Ramadan, Khaled Elbeh, **Nourelhoda A Haridy**, 2024. Bridging the gap: associations between gut microbiota and psychiatric disorders. Middle East Current Psychiatry, 31(1):2.

8. **Nourelhoda A Haridy**, Mohamed M Shehab, Eman M Khedr, 2023. Long-term outcomes of plasma exchange versus intravenous immunoglobulin for the treatment of Guillain-Barré Syndrome: A double-blind, randomized clinical trial. Restorative Neurology and Neuroscience.

9. Eman M Khedr, Doaa M Mahmoud, Gellan K Ahmed, **Nourelhoda A Haridy,** 2023. Predictors of long-term health-related quality of life in Guillain-Barré syndrome: A hospital-based study. Clinical Neurology and Neurosurgery, 235:108026.

10. Shady Safwat Hassan, Esam S Darwish, Gellan K Ahmed, Samah R Azmy, **Nourelhoda A Haridy**, 2023. "Relationship between disability and psychiatric outcome in multiple sclerosis patients and its determinants". The Egyptian Journal of Neurology, Psychiatry and Neurosurgery 59:105.

11. **Haridy, Nourelhoda A**, Eman M Khedr, Asmaa M Hasan, Ahmed A Maghraby, Essam Abdelmohsen, and Abdelhamid M Aly. 2023. "Myasthenia Gravis with Achalasia Secondary to Thymoma: A Case Report and Literature Review." The Egyptian Journal of Neurology, Psychiatry and Neurosurgery 59 (1): 34.

12. Ahmed, Gellan K., Alaa M. Darwish, Hossam Khalifa, and **Nourelhoda A. Haridy**. 2022. "Relationship between Attention Deficit Hyperactivity Disorder and Epilepsy: A Literature Review." *Egyptian Journal of Neurology, Psychiatry and Neurosurgery* 58(1).

13. Hamed, Rasha, Eman M. Khedr, **Nourelhoda A. Haridy**, Khaled O. Mohamed, and Saeid Elsawy. 2022. "Effects of Transcranial Direct Current Stimulation in Pain and Opioid Consumption after Spine Surgery." *European Journal of Pain (United Kingdom)* 26(7):1594– 1604.

14. Wiessner, Manuela, Reza Maroofian, Meng-Yuan Ni, Andrea Pedroni, Juliane S. Müller, Rolf Stucka, Christian Beetz, Stephanie Efthymiou, Filippo M. Santorelli, Ahmed A. Alfares, Changlian Zhu, Anna Uhrova Meszarosova, Elham Alehabib, Somayeh Bakhtiari, Andreas R. Janecke, Maria Gabriela Otero, Jin Yun Helen Chen, James T. Peterson, Tim M. Strom, Peter De Jonghe, Tine Deconinck, Willem De Ridder, Jonathan De Winter, Rossella Pasquariello, Ivana Ricca, Majid Alfadhel, Bart P. van de Warrenburg, Ruben Portier, Carsten Bergmann, Saghar Ghasemi Firouzabadi, Sheng Chih Jin, Kaya Bilguvar, Sherifa Hamed, Mohammed Abdelhameed, **Nourelhoda A. Haridy**, et al. 2021. "Biallelic Variants in HPDL Cause Pure and Complicated Hereditary Spastic Paraplegia." *Brain* 144(5):1422–34.

15. Cortese, Andrea, Yi Zhu, Adriana P. Rebelo, Sara Negri, Steve Courel, Lisa Abreu, Chelsea J. Bacon, Yunhong Bai, Dana M. Bis-Brewer, Enrico Bugiardini, Elena Buglo, Matt C. Danzi, Shawna M. E. Feely, Alkyoni Athanasiou-Fragkouli, **Nourelhoda A. Haridy**, Aixa Rodriguez, Alexa Bacha, Ashley Kosikowski, Beth Wood, Brett McCray, Brianna Blume, Carly Siskind, et al. 2020. "Author Correction: Biallelic Mutations in SORD Cause a Common and Potentially Treatable Hereditary Neuropathy with Implications for Diabetes. *Nature Genetics,* 52(6):640.

16. Chelban, V., M. Alsagob, K. Kloth, A. Chirita-Emandi, J. Vandrovcova, R. Maroofian, I. Davagnanam, S. Bakhtiari, M. D. AlSayed, Z. Rahbeeni, H. AlZaidan, N. T. Malintan, J.

Johannsen, S. Efthymiou, E. Ghayoor Karimiani, K. Mankad, S. A. Al-Shahrani, M. Beiraghi Toosi, M. AlShammari, S. Groppa, **N. A. Haridy**, et al. 2020. "Genetic and Phenotypic Characterization of NKX6-2-Related Spastic Ataxia and Hypomyelination." *European Journal of Neurology* 27(2):334–42.

17. Chelban, Viorica, Matthew P. Wilson, Jodi Warman Chardon, Jana Vandrovcova, M. Natalia Zanetti, Eleni Zamba-Papanicolaou, Stephanie Efthymiou, Simon Pope, Maria R. Conte, Giancarlo Abis, Yo Tsen Liu, Eloise Tribollet, **Nourelhoda Haridy**, Juan A. Botía, Mina Ryten, Paschalis Nicolaou, Anna Minaidou, Kyproula Christodoulou, Kristin D. Kernohan, et al. 2019. "PDXK Mutations Cause Polyneuropathy Responsive to Pyridoxal 5'-Phosphate Supplementation." *Annals of Neurology* 86(2):225–40.

18. Chelban, Viorica, Martina Bocchetta, Sara Hassanein, **Nourelhoda A. Haridy**, Henry Houlden, and Jonathan D. Rohrer. 2019. "An Update on Advances in Magnetic Resonance Imaging of Multiple System Atrophy." *Journal of Neurology* 266(4):1036–45.

19. Chelban, Viorica, Sarah Wiethoff, Bjørn K. Fabian-Jessing, **Nourelhoda A. Haridy**, Alaa Khan, Stephanie Efthymiou, Esther B. E. Becker, Emer O'Connor, Joshua Hersheson, Katrina Newland, Allan Thomas Hojland, Pernille A. Gregersen, Suzanne G. Lindquist, Michael B. Petersen, Jørgen E. Nielsen, Michael Nielsen, Nicholas W. Wood, Paola Giunti, and Henry Houlden. 2018. "Genotype-Phenotype Correlations, Dystonia and Disease Progression in Spinocerebellar Ataxia Type 14." *Movement Disorders* 33(7):1119–29.

20. **Haridy, Nourelhoda A.**, Viorica Chelban, Jana Vandrovcova, Mohamed A. Abd El-Hamed Stephanie Efthymiou, Sherifa A. Hamed, and Henry Houlden. 2018. "Clinical and Genetic Analysis of Egyptian Hereditary Spastic Paraplegia Using next Generation Sequencing." *Neuromuscular Disorder* 28S1 (2018) S5–S42

21. **Haridy, Nourelhoda A.**, Jana Vandrovcova, Mohamed A. Abd El-Hamed, Sherifa A. Hamed, and Henry Houlden. 2018. "Clinical and Genetic Analysis of Hereditary Peripheral Neuropathy in Egyptian Population. 15th International Congress on Neuromuscular Diseases, July 6 - 10, 2018 Vienna, Austria." *Journal of Neuromuscular Diseases* 5(s1):S1–408.

22. Wiethoff, Sarah, Emer O'Connor, **Nourelhoda A. Haridy**, Suran Nethisinghe, Nicholas Wood, Paola Giunti, Conceição Bettencourt, and Henry Houlden. 2018. "Sequencing Analysis of the SCA6 CAG Expansion Excludes an Influence of Repeat Interruptions on Disease Onset." *Journal of Neurology, Neurosurgery & Psychiatry* 0(0):1–2.

23. Kara, Eleanna, Arianna Tucci, Claudia Manzoni, David S. Lynch, Marilena Elpidorou, Conceicao Bettencourt, Viorica Chelban, Andreea Manole, Sherifa A. Hamed, **Nourelhoda A. Haridy**, Monica Federoff, Elisavet Preza, Deborah Hughes, et al. 2016. "Genetic and Phenotypic Characterization of Complex Hereditary Spastic Paraplegia." *Brain* 139(7):1904–18.

24. Manole, Andreea, Viorica Chelban, **Nourelhoda A. Haridy**, Sherifa A. Hamed, Andrés Berardo, Mary M. Reilly, and Henry Houlden. 2016. "Severe Axonal Neuropathy Is a Late Manifestation of SPG11." *Journal of Neurology* 263(11):2278–86.