

**PERSONAL INFORMATION**

Family name, First name: Aziz, Nasir Ahmad  
 Researcher unique identifier: 0000-0001-6184-458X (ORCID ID)  
 Web site (institutional): <http://www.dzne.de/aziz>

- **EDUCATION**

2023 Helmholtz Leadership Academy ‘Leading with Impact’  
 2017 Board certification as a **Neurologist and Epidemiologist**, Leiden University, NL  
 2010 **PhD degree (with highest honours)**, Leiden University and the Netherlands Institute for Neuroscience (Leiden & Amsterdam, NL). Supervisor: Prof. R.A.C. Roos.  
 2011 **MD degree (with highest honours)**, Leiden University, NL  
 2001–2006 **BSc & MSc in Medicine (both with highest honours)**, Leiden University, NL

- **CURRENT POSITION(S)**

2020–present **Group Leader** (tenured) ‘*Population & Clinical Neuroepidemiology*’, DZNE, Bonn, Germany  
 2019–present **Consultant Neurologist**, Dept. of Neurology, University Clinic Bonn, Germany

- **PREVIOUS POSITIONS**

2018 – 2020 **Epidemiologist & Data Scientist**, DZNE, Bonn, Germany  
 2017 – 2018 **Consultant Neurologist/Senior Clinical Research Associate**, UCL Institute of Neurology, London, UK  
 2016 – 2017 **Marie-Sklodowska Curie Research Fellow**, UCL Institute of Neurology, London, UK  
 2016 – 2017 **Clinical Fellow** in neurogenetic & movement disorders (Prof. S.J. Tabrizi and Prof. K.P. Bhatia), National Hospital for Neurology and Neurosurgery, Queen Square, London, UK  
 2014 – 2018 **Principal Investigator**, Dept. of Neurology, Leiden University, Leiden, NL

- **FELLOWSHIPS AND GRANTS**

2023 – 2027 **Profilbildung Grant 2022** by the German science ministry for the *InVirtuo 4.0* project for establishing photorealistic virtual experiments in neuroscientific research (*co-PI, 3.4 M€*)  
 2022 – 2027 **ERC Starting Grant 2021** for the project *TRANSIT-ND* aiming to assess the role of neurogenomic instability and somatic mutations in the pathogenesis of neurodegeneration (*PI, 1.5 M€*)  
 2021 – 2025 **China Research Council Excellence Scholarships** for 2 PhD students (*PI, 138 k€*)  
 2020 – 2025 **DZNE Career Development Fellowship**  
 2019 – 2021 **Alzheimer’s Association Research Grant** by the American Alzheimer’s Association for developing a deep-learning approach for hypothalamic subsegmentation on MR images (*PI, 150 k\$*)  
 2015 – 2016 **Marie-Sklodowska Curie Individual Fellowship**, which supported my research and training at UCL Institute of Neurology/National Hospital for Neurology and Neurosurgery, London, UK (*PI, 100 k€*).  
 2016 **Alkmade-Keuls Research Grant**, for studying endocrine and metabolic changes in Parkinson disease (*PI, 11 k€*)  
 2014 **VENI grant**, from the talent program of the Netherlands Organization for Scientific Research for studying the role of tandem repeat polymorphisms as genetic modifiers of brain function (*PI, 250 k€*)  
 2014 **Seed Fund**, international grant by the European Huntington Disease Network (*PI, 50 k€*)  
 2008 **Cure Huntington’s Disease Initiative Grant** for studying hypothalamic changes in Huntington disease (co-applicant; *200 k€*)  
 2006 **MOSAIC Grant** by the Netherlands Organization for Scientific Research for studying neuroendocrine and metabolic changes in Huntington and Parkinson disease (*PI, 180 k€*)

- **PRIZES AND AWARDS**

2015 **Young Talent Prize of the Dutch Society for Neuroscience**  
 2011 **Dr. I. Snapperprijs**, a national prize by the Amsterdam University Medical Centre awarded to two outstanding medical students in the Netherlands  
 2011 **ARIA Award** of the ARIA Students’ Association for the best Afghan student in NL  
 2011 **Lindau Nobel Laureate Meeting Attendance Award** by the ‘Royal Dutch Academy of Arts and Sciences’  
 2009 **World Congress on Huntington’s Disease Young Investigator Award** (Vancouver, CA)  
 2008 **European Huntington Disease Network Poster Award** (Lisbon, PT)  
 2003–2006 **Excellent Student’s Program & Honours Program**, Leiden University, NL  
 2001 **Best Student Award**, ‘Rijnlands Lyceum’, Sassenheim, NL

- **SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS**

- 2018 – present Main supervisor: 2 postdocs, 5 PhD & 6 MSc students, and 1 technician. Co-supervisor: 4 PhD students & 2 postdoctoral fellows (Population Health Sciences, DZNE, Bonn, Germany)
- 2017 – 2018 Main supervisor: 1 MSc student (UCL, London, UK)
- 2009 – 2018 Supervisor: 5 PhD & 6 MSc students (Dept. of Neurology, Leiden University Medical Centre & Netherlands Institute for Neuroscience, Leiden & Amsterdam, NL)

- **TEACHING ACTIVITIES**

- 2018 – present **Reader** in Bonn International Graduate School Clinical and Population Sciences (BIGS-CPS) course ‘Epidemiology’, and weekly ‘Epidemiology & Biostatistics’ meetings (University of Bonn/DZNE, Bonn, Germany)
- 2011 – 2016 **Reader** in ‘Clinical Neurology’, ‘Translational Neuroscience’ and ‘Research Methodology’ courses to (bio-)medical students and specialist registrars (Leiden University, Leiden, NL)

- **ORGANISATION OF SCIENTIFIC MEETINGS**

- 2018 – present **Coordinator** of PhD training in Population Health Sciences (DZNE, Bonn, Germany)
- 2018 – present **Organizer** of bimonthly multidisciplinary data science meetings between epidemiologists, bio-informaticians, statisticians and machine learning experts (DZNE, Bonn, Germany)

- **INSTITUTIONAL RESPONSIBILITIES**

- 2022 – present Organizing committee of the ‘DZNE Science Meeting’ (DZNE, Bonn, Germany)
- 2019 – present Member of the institutional ‘Graduate Education Committee’ (DZNE, Bonn, Germany)

- **ACADMIC BOARDS & REVIEWING ACTIVITIES**

- 2023 – present **Advisory Board** of the International Society for Neurodegenerative Diseases
- 2019 – present **Co-Chair and Chair** (from 2022 onwards) of the ‘Scientific and Bioethics Advisory Committee’ and member of the ‘Clinical Trials Review Committee’ and ‘EHDN Strategic Plan 2022-2026 Committee’ of the European Huntington Disease Network
- 2014 – present **Grant Reviewer** for the Netherlands Organisation for Scientific Research (NWO/ZonMW, NL), Stroke Association and MRC (UK), ‘Foundation pour la Recherche Medicinale’ (FR) and the ‘la Caixa’ Health Research Foundation (ES).
- 2008 – present **Reviewer** for >40 different journals, including *Annals of Neurology*, *Brain*, *Brain Pathology*, *British Medical Journal (BMJ)*, *Clinical Genetics*, *Molecular Psychiatry*, *Movement Disorders*, *Nature Communications*, *Neurobiology of Disease*, *Neurology*
- 2013 – 2018 **Scientific Expert Panel** for the journal *Neurodegenerative Disease Management*
- 2010 – 2014 **Managing Editor** of *Frontiers in Bioscience*, special issue on ‘Huntington disease’

- **MEMBERSHIPS OF SCIENTIFIC SOCIETIES**

- 2011 – present Member of the Dutch and German Society for Neurology, Dutch Society for Epidemiology and *International Movement Disorders Society*

## PUBLICATIONS

### BIBLIOMETRICS:

- Total no. of papers: **>100**
  - First author: **42**
  - Last author: **23**
- Book chapters: **6**
- Complete list of publications: <https://scholar.google.com/citations?user=QLmxbAIAAAAJ&hl=en>

### SELECTED PUBLICATIONS:

- 1) Fox FAU, [...], **Aziz NA**. Association Between Accelerometer-Derived Physical Activity Measurements and Brain Structure: A Population-Based Cohort Study. *Neurology* 2022; 99(11):e1202-e1215. (Editorial about this article: *Neurology*: 2022; 99(11):455-456).
- 2) **Aziz NA**, [...], Breteler MMB (2021). Seroprevalence and correlates of SARS-CoV-2 neutralizing antibodies from a population-based study in Bonn, Germany. *Nature Communications* 12, Article number: 2117.
- 3) Wamat-Herresthal S\*, [...], **Aziz NA\*** et al. (2021). Swarm Learning for decentralized and confidential clinical machine learning. *NATURE* 594(7862):265-270 (\**Joint first author*)
- 4) Gardiner SL, [...], **Aziz NA** (2019). High prevalence of carriers of intermediate and pathological polyglutamine disease-associated alleles in large population-based cohorts. *JAMA Neurol.* 76(6):650-656. (Editorial about this article: *JAMA Neurol.* 76(6):639-640).
- 5) Stuitje GA, [...], **Aziz NA** (2017). Age of onset in Huntington disease is influenced by CAG repeat variations in other polyglutamine disease-associated genes. *Brain.* 140(7):e42. (research letter)
- 6) **Aziz NA**, Van der Burg JM, Tabrizi SJ, Landwehrmeyer GB (2018). Overlap between age of onset and progression determinants in Huntington disease. *Neurology* 90(24): 2099-2106 (Editorial about this article: *Neurology*: 90 (24):1087-88).
- 7) Van der Burg JM, Gardiner SL, Ludolph AC, Landwehrmeyer GB, Roos RA, **Aziz NA** (2017). Body weight is a robust predictor of clinical progression in Huntington disease. *Annals of Neurology* 82(3):479-483.
- 8) **Aziz NA** et al. (2010) Systemic energy homeostasis in Huntington’s disease patients. *J Neurol Neurosurg Psychiatry.* 81(11):1233-7.
- 9) **Aziz NA** et al. (2009). Increased activity of the hypothalamic-pituitary-adrenal axis in early-stage Huntington’s disease patients. *J Clinical Endocrinol Metab.* 94(4):1223-8.
- 10) **Aziz NA** et al. (2008). Weight loss in Huntington’s disease increases with higher CAG repeat number. *Neurology.* 71(19): 1506-1513.
- 11) **Aziz NA** et al. (2008). Hypocretin and Melanin-Concentrating Hormone in Patients with Huntington Disease. *Brain Pathol.* 18(4): 474-483.