



Advances in the Molecular Genetics of Neurological Disorders

Guest Editors:

Dr. Pedro Braga-Neto

1. Division of Neurology, Walter Cantidio University Hospital, Federal University of Ceara, Fortaleza 60430-372, CE, Brazil
2. Center of Health Sciences, State University of Ceará, Fortaleza 60714-903, CE, Brazil

Dr. Paulo Ribeiro Nóbrega

1. Division of Neurology, Walter Cantidio University Hospital, Federal University of Ceara, Fortaleza 60430-372, CE, Brazil
2. Center of Health Sciences, State University of Ceará, Fortaleza 60714-903, CE, Brazil

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Message from the Guest Editors

Many neurological diseases have an important genetic basis, either as risk-determining alleles or causative Mendelian variants, and over one-third of Mendelian genetic diseases present phenotypes with significant neurological manifestations. The description of neurological phenotypes and the reporting of novel variants also make new diagnostic strategies for these diseases, as well as better genetic counseling, possible. Greater knowledge of the molecular genetic basis of non-mendelian neurodegenerative diseases, such as Parkinson's disease, Alzheimer's disease, allow for the development of prognostic tools and new treatment strategies.

This Special Issue aims to highlight recent Advances in the Molecular Genetics of Neurological Disorders, inviting more papers on the following areas:

- Characterization of phenotypes in neurogenetic diseases through case series, natural history studies or review papers;
- Molecular genetics strategies for diagnosis, prognosis or treatment of neurodegenerative diseases;
- Describe novel pathogenic variants with characteristic findings;
- Diagnostic or treatment strategies for neurogenetic diseases.





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Editor-in-Chief

Prof. Dr. Stephen D. Meriney

Department of Neuroscience,
University of Pittsburgh,
Pittsburgh, PA 15260, USA

Message from the Editor-in-Chief

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Rapid Publication: manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.6 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2025).

Contact Us

Brain Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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