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Molecular Genetics of Neurodegenerative Diseases and Neuromuscular Diseases

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Deadline for manuscript submissions:
closed (20 September 2024)

Message from the Guest Editors

Technological advances in molecular genetics have allowed the development of new diagnostic protocols. In recent decades, the time needed for the diagnosis of neurodegenerative and neuromuscular diseases has been significantly reduced with the introduction in clinical practice of high-resolution neuroimaging and next-generation sequencing. To date, the availability of new technologies for molecular, clinical, and instrumental characterization of disorders makes it possible to perform phenotype stratification for research and diagnostic purposes. The discovery of new molecular causes of these disorders is crucial to improve diagnosis and genotype–phenotype correlation as well as provide indications for therapeutical interventions. In the present scenario, patients affected by neurodegenerative and neuromuscular disease can now benefit from new-generation technologies that should significantly reduce the diagnostic odyssey. Furthermore, the phenotype stratification of diseases supports the development of new treatments and therapies.

In this Special Issue, we welcome reviews and original articles covering many aspects of neurodegenerative and neuromuscular disorders.

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Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised.

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