

## Special Issue

# Advances in Genetic Research on Neuromuscular and Neurodevelopmental Disorders

### Message from the Guest Editor

The aim of this Special Issue is to collect and disseminate the latest advanced research in the field of genetics applied to neuromuscular and neurodevelopmental disorders. We seek to explore both basic genetic studies and clinical applications, with a focus on how these discoveries can impact the diagnosis, treatment and understanding of the underlying mechanisms of these disorders. We aim to provide a platform for publishing research articles, reviews and case studies addressing the latest findings in the genetics of neuromuscular and neurodevelopmental disorders. The topics of interest include, but are not limited to, the following:

- Molecular and cellular genetics of neuromuscular disorders;
- Genomic and bioinformatic approaches to understanding neurodevelopmental diseases;
- New genetic editing techniques and their clinical applications;
- Genome-wide association studies (GWAS) and the identification of new associated genes;
- Animal and cellular models for studying genetic disorders;
- Gene–environment interactions and their impact on neuromuscular and neurodevelopmental disorders.

Prof. Dr. Henry Houlden

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### Guest Editor

Dr. Giorgia Ceravolo

UCL Queen Square Institute of Neurology, University College London,  
London WC1N 3BG, UK

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### Deadline for manuscript submissions

closed (25 February 2025)

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## Genes

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*Genes*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[genes@mdpi.com](mailto:genes@mdpi.com)

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## About the Journal

### Message from the Editor-in-Chief

*Genes* is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving 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. Why not consider *Genes* for your next genetics paper?

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### Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan  
Experimental Cancer Therapeutics, The University of Alabama at  
Birmingham, 1825 University Blvd., SHEL 814, Birmingham, AL 35294-  
2182, USA

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