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Genetics and Epigenetics of Neuromuscular Diseases

Guest Editor:

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Deadline for manuscript submissions:
closed (20 August 2022)

Message from the Guest Editor

This Special Issue aims to provide a detailed and updated overview of the genetics and epigenetics of NMDs. Indeed, we aim to collect cutting-edge basic research articles aimed at identifying genetic and epigenetic biomarkers of these disorders, as well as updated narrative reviews on a given disease or a disease category. Genome-wide (GWAS) and epigenome-wide association studies (EWAS) and their systematic review and meta-analysis are particularly welcome. We are also interested in articles dealing with the application of the polygenic risk score in complex NMDs, such as sporadic ALS, and in the genotype–phenotype correlation in familial NMDs, as well as in papers addressing epigenetic biomarkers of these conditions. Studies in animal and cell culture models of these disorders are welcome, and papers dealing with the translational potential and the clinical utility of these biomarkers, including genome editing and miRNA-based therapeutic approaches, are also of interest.

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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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