

Special Issue

Genetics and Treatment of Inherited Neurological Diseases of the Spinal Cord

Message from the Guest Editor

Hereditary diseases of the spinal cord include a diverse array of conditions including motor neuron disease, hereditary spastic paraplegias, spastic ataxias, and inborn errors in metabolism such as adrenomyeloneuropathy. The phenotypic spectrum can be broad and include muscle loss, spasticity, gait impairment, sensory loss, and spincter dysfunction. Progress has been made in identifying genes implicated in familial forms of disease and discovering pathways and cellular processes that are altered by mutations in them. The identification of genetic causes and risk factors is helpful in not only developing better models of disease and understanding their pathogenesis, but also guiding the rationale and design of new avenues for therapeutic development. This Special Issue aims to provide a broad and updated overview of the genetics of inherited spinal cord diseases and the resulting clinical and molecular observations, which may lead to new therapeutic insights for their treatment.

Guest Editor

Dr. Christopher Grunseich
Neurogenetics Branch, National Institutes of Health (NIH)-USA,
Bethesda, MD, USA

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closed (15 May 2026)

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Genes
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
genes@mdpi.com

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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?

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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