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## Genetic and Molecular Mechanisms in Multiple Sclerosis

Guest Editors:

**Dr. Melissa Sorosina**

Laboratory of Genetics of  
Neurological Complex Disorders,  
Division of Neuroscience, IRCCS  
San Raffaele Scientific Institute,  
20132 Milan, Italy

**Dr. Silvia Santoro**

Laboratory of Genetics of  
Neurological Complex Disorders,  
Division of Neuroscience, IRCCS  
San Raffaele Scientific Institute,  
20132 Milan, Italy

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submissions:

**closed (15 January 2024)**

### Message from the Guest Editors

Multiple sclerosis is a disorder of the central nervous system. It is a complex disease whose susceptibility involves genetic and environmental factors. In recent years, significant improvements have been made to unravel the genetic causes of multiple sclerosis. Nonetheless, the identified variants explain ~50% of the genetic predisposition to multiple sclerosis, while their functional mechanism has been identified only in a few cases. Recently, relevance has also been given to multiple comprehensive strategies, evaluating the interplay of multiple layers of information.

In this Special Issue, we welcome original research articles, reviews and short communications aimed at better defining the genetic and molecular mechanisms involved in multiple sclerosis. Special attention will be given to innovative and comprehensive approaches that aim to fill the gap of the so-called “missing heritability”. Studies may include but are not limited to the analysis of DNA sequencing data, investigation of rare variants, evaluation of the interaction between genetics and epigenetics, transcriptome and environment, as well as functional studies of putative relevant genes.



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# Special Issue



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## Editor-in-Chief

### **Prof. Dr. Selvarangan Ponnazhagan**

Department of Pathology, The  
University of Alabama at  
Birmingham, 1825 University  
Blvd, SHEL 814, Birmingham, AL  
35294-2182, USA

## 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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*Genes* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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