

Special Issue

Epigenetics and Multiple Sclerosis

Message from the Guest Editors

Multiple Sclerosis (MS) is a chronic neuroinflammatory, demyelinating, and neurodegenerative disease of the central nervous system, and a leading cause of lifelong progressive disability in young and middle-aged adults. Notably, the disease is highly heterogenous, symptoms vary greatly depending on the location of the lesion and progression, and the severity is often hard to predict and detect. MS disease is triggered by environmental factors in genetically predisposed individuals. Epigenetic mechanisms like DNA methylation, histone posttranslational modification, and non-coding RNA levels, are sensitive to environmental/lifestyle exposures and regulate gene expression and cellular function without affecting the DNA sequence. Epigenetic studies have the potential to reveal how environmental and genetic factors interact to influence disease onset and progression and to provide valuable insights into novel biomarkers for better patient stratification and personalized medicine.

Guest Editors

Dr. Lara Kular

Department of Clinical Neuroscience, Karolinska Institutet, Center for Molecular Medicine, Karolinska University Hospital, Stockholm, Sweden

Dr. Sudheer Kumar Gara

Thoracic Surgery Branch, National Cancer Institute, National Institutes of Health, Bethesda, MD 20891, USA

Deadline for manuscript submissions

20 December 2025

G C A T
T A C G
G C A T

Genes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5
Indexed in PubMed



mdpi.com/si/245968

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

[mdpi.com/journal/
genes](https://mdpi.com/journal/genes)



G C A T
T A C G
G C A T

Genes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5
Indexed in PubMed



[mdpi.com/journal/
genes](https://mdpi.com/journal/genes)



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?

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, PubAg, and other databases.

Journal Rank:

JCR - Q2 (Genetics and Heredity) / CiteScore - Q2 (Genetics (clinical))