

Special Issue

The Molecular and Cellular Mechanisms in Multiple Sclerosis

Message from the Guest Editors

Multiple sclerosis (MS) is a neurodegenerative autoimmune disease characterized by marked clinical and biological heterogeneity. Patient stratification prior to therapeutic intervention is crucial to improve the outcomes of people with multiple sclerosis (PwMS). Recent genome-wide association studies (GWAS) have identified numerous immune-related genetic variants associated with MS susceptibility and progression, highlighting key molecular pathways involved in disease pathogenesis. Understanding the functional and cellular mechanisms underlying these genetic findings is essential for the development of novel therapeutic targets and personalized treatment strategies. This Special Issue of *Biomolecules* aims to highlight advances in functional genomics, immune signatures, and molecular mechanisms driving MS, fostering translational research toward precision medicine approaches.

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Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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