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The Molecular and Cellular Basis for Multiple Sclerosis - Series 2

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Deadline for manuscript submissions:

closed (1 September 2021)

Message from the Guest Editors

Dear Colleagues,

Multiple sclerosis (MS) is a chronic inflammatory and demyelinating disease. Despite extensive research, the question of whether it is triggered by an initial event outside the CNS (outside-in hypothesis) or whether it is a CNS-intrinsic event (inside-out hypothesis) is still not resolved. The discovery of several molecular and cellular mechanisms has provided valuable insight into the disease mechanism of multiple sclerosis (MS). It is fascinating to see how many new drugs have been approved for MS in the last years. Changing the focus to B cells or the idea to “grow a healthier” or more anti-inflammatory immune system after cell depletion are new treatment approaches, but molecular and cellular mechanisms that may explain their effects are lacking.

This Special Issue is dedicated to the description of pathological cellular and molecular mechanisms, the identification of the fundamental basis of the disease, and the development of molecular interventions to prevent or treat them towards a molecular medicinal perspective of MS.



mdpi.com/si/59825

Special Issue



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Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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