Special Issue

Mechanisms of Action of Therapies for Multiple Sclerosis

Message from the Guest Editors

In recent years, the number of treatment options for multiple sclerosis (MS) patients has grown significantly and includes (i) sphingosine 1-phosphate modulators (fingolimod, siponimod, ozanimod and ponesimod), (ii) oral therapies (teriflunomide, dimethyl fumarate), (iii) Bruton's tyrosine kinase inhibitors (evobrutinib and tolebrutinib), and (iv) cell-depleting therapies such as cladribine, anti-CD20 monoclonal antibodies (ocrelizumab, ofatumumab), and anti-CD52 monoclonal antibodies (alemtuzumab). Each of these therapies has a distinct mechanism of action that may explain the beneficial effects of the drug in the disease, ranging from different degrees of immunomodulation to significant cell depletion. Manuscripts addressing the topic of the mechanism of action of the abovementioned therapies for MS are invited for this Special Issue. They can include but should not be restricted to in vitro and ex vivo immunophenotyping studies as well as omics approaches in peripheral blood and cerebrospinal fluid samples from treated MS patients. Studies relating changes in biomarker levels and the therapeutic response to therapies are also welcome.

Guest Editors

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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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