Autoimmunity in the Nervous Systems: Multiple Sclerosis and Beyond 2.0

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Message from the Guest Editors

One of the most recognizable and studied autoimmune diseases of the central nervous system is multiple sclerosis (MS); however, several other syndromes have been recognized, depending on the target of the immunological reaction. Interestingly, sometimes, the molecular mechanisms underlying these disorders overlap due to their common pathogenic pathways. Furthermore, single-nucleotide polymorphisms (SNPs) of autophagy-related genes have been reported to be associated with susceptibility to both systemic lupus erythematosus and Crohn's disease. In our opinion, looking into these types of interactions will also help to disentangle the complex regulation of autoimmunity, as well as providing valuable support for addressing possible novel targeted therapeutic efforts.

Following the previous Special Issue, in this new edition, we aim to broaden the current picture of autoimmunity by also considering the proven impact of gut microbiota in the immunological balance of the nervous system. Once more, particular interest will be given to novel and original data reporting significant sex differences in the autoimmune pathogenic mechanisms of the most well-known neurological diseases.

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Special Issue

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Message from the Editor-in-Chief

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