

Special Issue

Immune Mediators and Disruptors of Neural Functions

Message from the Guest Editor

While inflammation is considered a threat to nervous system integrity, increasing evidence indicates that a large range of immune molecules behave as mediators of neural functions. A still underestimated number of cytokines and chemokines modulate neuronal and glial functions in the normal nervous system. Similarly, increasing evidence indicates that naturally occurring autoantibodies directed against neural antigens may be involved in maintenance functions and the prevention of neurodegenerative processes. It is thus of major importance to determine if and how such immune mediators may become immune disruptors of neural functions under pathological conditions. This Special Issue is aimed at providing a global and updated view on such a duality of immune molecules, under physiological or pathological conditions. Research works based on cellular or in vivo experimental approaches are welcome. Bioinformatics and data mining studies are acceptable, however, ad hoc systems biology methods should be applied and explored data should rely on experimental biology approaches. Pure simulation studies will not be considered.

Guest Editor

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Deadline for manuscript submissions

closed (30 April 2022)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
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