

Special Issue

Neuroimmunology

Message from the Guest Editors

Neuroimmunology represents the field that integrates cross-talk between the immune and nervous systems, but also expression of immune factors in the brain as well as neuroendocrine factors in the immune system. Interactions between the two systems during neurodevelopment, brain homeostasis and brain pathologies are the main interests for neuroimmunologists. The understanding of the role of immune cell infiltration as well as immune factor expression by neural and neuronal cells constitutes the basis of research into brain diseases in terms of their etiology, spreading, cognitive consequences and the possibility of pharmaceutical treatment. Among the major cells implicated in the neuroimmune response, microglia and astrocytes constitute the pillar of the physiological functioning of the nervous system. These cells act as the link and the sensors of the cognitive or brain pathogenic stresses. Environmental stressors are the major inducers of neuroinflammation that lead to brain disorders. Taken together, this Special Issue is dedicated to the recent research progress in neuroimmunology.

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2020)



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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Molecular Sciences*
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