

Special Issue

Molecular Mechanism of Natural Compounds in Neuroinflammation

Message from the Guest Editor

Neuroinflammation corresponds to inflammatory cascades that occur in both the peripheral nervous system (PNS) and the central nervous system (CNS), involving both the immune and nervous systems, complicating its characterization. From a pathological point of view, neuroinflammation is related to damage resulting from direct penetrating physical injury. This neuroinflammation involves pro and anti-inflammatory responses involving among others soluble factors such as cytokines but also different cell types. Even though there are some points like the cause-and-effect interaction between neuroinflammation and neurodegeneration, the involvement of each molecular pathological event in the disease which are not fully known, it is useful to research and develop solutions to slow down or suppress this neuroinflammation. One of the possible solutions is the use of natural molecules to control this neuroinflammation and open more natural therapeutic perspectives. More broadly, studies to investigate the impact of diet/nutrition on the activation of nervous system cells involved in neuroinflammation in a physiological or pathological context may also provide important information.

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Deadline for manuscript submissions

closed (31 March 2023)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/115025

*International Journal of
Molecular Sciences*
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