

Special Issue

Roles of Glia in CNS: Toward the Development of New Antidepressant Strategies?

Message from the Guest Editor

The amount of data indicating that glial cells do not only act as structural or logistical support within the CNS but actively participate in the processes of neurotransmission and neural plasticity is growing exponentially. Numerous studies have already highlighted the importance of neuro-inflammation in the emergence of depression or depression-like behaviors, and, not surprisingly, the effect of microglial cells was found to be major. Specifically targeting the molecular actors involved in this process has recently been proposed as a potential antidepressant strategy. Taking into account the fundamental importance of astrocytes in the tripartite synapse, it is therefore likely that strategies aimed at reinforcing their molecular impact on plasticity mechanisms may be of relevance in the search for new classes of antidepressants. This Special Issue will welcome both research papers and reviews addressing these points, with a particular interest in those focusing on molecular mechanisms.

Guest Editor

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