

Special Issue

Microglial Function in the Central Nervous System II

Message from the Guest Editor

Aberrant activation of microglia has been associated with the pathogenesis of a wide variety of neurological disorders including neurodegenerative diseases such as Alzheimer's disease and Parkinson's disease. Distinct phenotypes may underlie their involvement in the normal development and maintenance of the central nervous system as well as the pathogenesis of various neurological disorders. Moreover, microglia exhibit both spatial phenotypic characteristics within different regions of the central nervous system and temporal phenotypic transformation in response to changes in their microenvironment, the presence of abnormal substances and during the pathogenesis of neurological disorders, as well as sex dimorphism. This Special Issue welcomes research work on the characterization of microglial phenotypic transformation in various model systems to help gain a more complete understanding of their highly dynamic and multifaceted role in both health and disease.

Guest Editor

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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