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Glial Inflammation and Neurological Disorders

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Message from the Guest Editor

Dear Colleagues,

Glial assembly is now becoming a main player in central nervous system health and disease. The abnormal functions of glial cells, not only induce various kinds of neurological disorders, including autism spectrum disorders and leukoencephalopathy, but is also related to the exacerbation of disease courses, such as cerebral infarction, motor-neuron diseases, Alzheimer disease, Parkinson's disease, etc.

The term "Glial inflammation" often used to indicate reactive activation of astroglia and microglia in lesions of neurodegenerative/neuroinflammatory diseases. In fact, almost all neurological disorders induce "glial inflammation", but the purposes are still unknown.

Recent advances in research technology have enabled the functional analysis of glial cells in addition to great conventional work on histological analyses. In this Special Issue, we aim to summarize cutting-edge research topics about the universe of glial assembly in health and disease, and seek new clues to create new therapeutic options for intractable disorders through elucidation of the roles of glial inflammation.

Prof. Ryo Yamasaki
Guest Editor



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Special Issue



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