

Special Issue

Molecular and Metabolic Insights into Neuroinflammation and Neurodegeneration

Message from the Guest Editors

Inflammation in central nervous system (CNS) is recognized as laying a crucial role in the pathogenesis of several neurodegenerative disorders, in addition to acute or chronic neuroinflammatory diseases. Neuroinflammation may indeed be triggered by various stimuli, like infections, the release of toxic metabolites and abnormal accumulation of proteins, and it is mediated by the cytokines, chemokines, and reactive oxygen species (ROS) released by both resident and peripheral cells. Furthermore, metabolic and energetic disturbances have recently been determined to be both a consequence and a cause of neurodegeneration.

This Special Issue aims to highlight the numerous metabolic changes in neurodegenerative diseases and related current therapeutic approaches and to provide a more comprehensive overview of the role of neuroinflammation in the development of neurological and neurodegenerative diseases. Contributions from all research areas are welcome, including disease modeling; human neuropathology; biochemical, molecular, and clinical studies; genomics; proteomics, and therapeutic interventions.

Guest Editors

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