

Special Issue

Lipid Signaling in Neuroinflammation and Neurodegeneration

Message from the Guest Editor

This Special Issue will explore the crucial role played by lipid signaling pathways in the mechanisms underlying neuroinflammation and neurodegenerative diseases. Alterations in lipid metabolism and signaling have been linked to various neurodegenerative conditions, including Alzheimer's disease, Parkinson's disease, multiple sclerosis, and amyotrophic lateral sclerosis (ALS). Understanding how lipid-derived mediators such as sphingolipids, phospholipids, eicosanoids, and endocannabinoids regulate neuroinflammatory responses will open up promising avenues for novel therapeutic strategies. This Special Issue will elucidate the molecular mechanisms through which lipid signaling modulates neural inflammation and cell survival and death, providing insights into potential lipid-based biomarkers and drug targets. By consolidating recent findings, this Special Issue will foster a comprehensive understanding of the influence of lipid signaling in neuroinflammation and neurodegeneration, ultimately contributing to the development of better diagnostic and therapeutic approaches.

Guest Editor

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Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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