Special Issue

Targeting Neuroinflammation and Insulin Resistance for a Healthy Brain: Prevention and Treatment of Neurological and Psychiatric Disorders

Message from the Guest Editors

Neuroinflammation and insulin resistance form a bidirectional process that induces neuronal damage. Inflammatory events and insulin resistance have been associated with the onset of neurodegenerative pathologies, including late-onset Alzheimer's disease and Parkinson's disease. Accumulating evidence indicates that neuroinflammation and insulin resistance can also underlie psychiatric disorders. Several conditions, ranging from emotional stress to metabolic syndrome, including traumatic brain injury, chronic infections, or gut dysbiosis, can cause or aggravate insulin resistance and neuroinflammation. Review articles and original research papers, showing novel mechanisms underlying the association of neuroinflammation and brain insulin resistance with brain dysfunction and showing evidence of novel biomarkers or genetic predisposition are welcome. We invite contributions raising the knowledge and awareness of the need for early intervention in controlling neuroinflammation and insulin resistance to improve neurological and psychiatric disorders' management.

Guest Editors

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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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