

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

Dr. Giovanna Casili

Department of Chemical, Biological, Pharmaceutical and Environmental Sciences, University of Messina, Viale Ferdinando Stagno D'Alcontres, 31-98166 Messina, Italy

Dr. Marika Lanza

Department of Chemical, Biological, Pharmaceutical and Environmental Sciences, University of Messina, Messina, Italy

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MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Editor-in-Chief

Prof. Dr. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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