Special Issue

Neuronutrition: Metabolomic Insights and Perspectives

Message from the Guest Editors

The central and peripheral nervous systems have a high demand for nutrients and xenobiotics with neurotrophic and neuromodulating activity, which often exceed the endogenous metabolic supply. Many organs in the body act in concert to satisfy such needs, using a quite sensitive communication network of intermediate metabolites, in which dietary bioactives converge as external signals and parent compounds. Functional Neuronutrition as a basic and applied science has advanced exponentially in the last decade, contributing to the prevention and control of numerous physiological deviations of the neurocognitive process. Moreover, the so-called “Neuronutritional approach” can influence a plethora of key neuro-epigenetic, immunological, and metabolic processes related to behavioral problems. The objective of this Special Issue on metabolites is to gather scientific articles that demonstrate new knowledge and advances in this field, welcoming systematic/narrative reviews, original articles, and future perspectives on the subject.

Guest Editors

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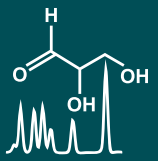

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Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

Editor-in-Chief

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