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The Impact of Nutrition on Brain Metabolism and Disease

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Message from the Guest Editors

Dear Colleagues,

In recent decades, the link between nutrition, brain health, and risk of central nervous system pathologies was highlighted. How different diets/nutritional strategies modulate brain function and homeostasis, with special regard to its metabolism, mitochondrial function, redox homeostasis, insulin signaling, neuroinflammation, gut/brain axis, synaptic function and plasticity, is the focus of this Special Issue. Studies that further unravel mechanistic links between diet composition and nutritional status and the onset or prevention of neurodevelopmental or neurodegenerative diseases are welcomed, in order to provide new insights into physiopathological aspects underlying brain development, function, and aging.

Original research reports and review articles from experts in the field will provide an interdisciplinary approach to highlight the beneficial or deleterious impact of different nutritional plans and could represent the milestones for designing novel therapeutic targets to counteract several brain diseases linked with malnutrition.



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Special Issue



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