

## Special Issue

# Effects of Dietary Fatty Acids on the Nervous System and Behavior

### Message from the Guest Editor

Obesity is a major health concern that impacts more than one billion individuals worldwide. Numerous morbid neurological disorders are associated with obesity, including diabetic neuropathy, Alzheimer's disease, and Parkinson's disease. The global rise in obesity is related at least in part to the increased consumption of a Westernized diet rich in saturated fats and trans fats. These fatty acids trigger a number of dysregulated molecular events within the nervous system, including mitochondrial dysfunction, impaired lipid metabolism, and axo-glial miscommunication, that contribute to obesity-related neurological disorders. Dietary interventions have emerged as a potential approach to mitigating the neurological damage associated with obesity and may provide a feasible and effective approach to slowing and preventing the progression of obesity-related neurological damage. This Special Issue will highlight recent progress in the discovery of the impact of dietary fatty acids in neurological disorders in obesity.

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## Nutrients

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*Nutrients* is an on-line open access journal that was first published in 2009. *Nutrients* adheres to rigorous peer-review and editorial processes and publishes only high quality manuscripts that address important issues related to the impacts of nutrients on human health. The Impact Factor of *Nutrients* has risen rapidly since its establishment and it is now ranked in the first quartile of journals publishing in the field of nutrition and dietetics research.

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