

Special Issue

The Impact of Fatty Acids on the Nervous System

Message from the Guest Editor

Obesity is an important 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 increased consumption of a Westernized diet rich in saturated fat and trans fat. These fatty acids trigger a number of dysregulated molecular events within the nervous system, including mitochondrial dysfunction, impaired lipid metabolism, and axo-glial miscommunication, and that contribute to obesity-related neurological disorders. Dietary interventions have emerged as a potential approach to mitigate neurological damage associated with obesity and may provide a feasible and effective approach to slow or prevent the progression of obesity-related neurological damage. This Special Issue will highlight recent progress in the discovery of the impact of dietary fatty acids on neurological disorders of obesity.

Guest Editor

Dr. Amy E. Rumora

1. Department of Neurology, Columbia University Irving Medical Center, New York, NY 10032, USA
2. Naomi Berrie Diabetes Center, Columbia University Irving Medical Center, New York, NY 10032, USA

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Nutrients
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
nutrients@mdpi.com

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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.

Editors-in-Chief

Prof. Dr. Lluís Serra-Majem

1. Centro de Investigación Biomédica en Red Fisiopatología de la Obesidad y la Nutrición (CIBEROBN), Institute of Health Carlos III, 28029 Madrid, Spain
2. Research Institute of Biomedical and Health Sciences (IUIBS), University of Las Palmas de Gran Canaria, 35001 Las Palmas, Spain
3. Preventive Medicine Service, Centro Hospitalario Universitario Insular Materno Infantil (CHUIMI), Canarian Health Service, 35016 Las Palmas, Spain

Prof. Dr. Maria Luz Fernandez

Department of Nutritional Sciences, University of Connecticut, Storrs, CT 06269, USA

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