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Vitamin C: Challenges and Opportunities

Guest Editor:

Dr. Camila C. Portugal

Institute of Research and Innovation in Health (i3S) and Institute for Molecular and Cell Biology (IBMC), University of Porto, Porto, Portugal

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Message from the Guest Editor

Dear Colleagues,

Ascorbate is an indispensable nutrient known for its antioxidant properties and crucial role in diverse physiological processes, such as epigenetic regulation and immune function. Recent research and technological advancements have unveiled its critical function within the CNS, primarily through studies on the Sodium Vitamin C co-transporter 2 (SVCT2), the Vitamin C transporter present in the CNS. This Special Issue aims at exploring Vitamin C's multifaceted roles, bridging gaps between its biochemical pathways and its clinical implications for neurological health and disease.

I am pleased to invite you to highlight the importance of Vitamin C in neurobiology and pathophysiology, focusing on the challenges and opportunities for advancing understanding in areas such as neurodevelopment, mental health, cognitive function, aging, and neurodegenerative diseases. We encourage contributions that delve into the mechanistic actions of ascorbate in the CNS and explore translational research opportunities for novel therapeutic interventions.



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Special *Issue*



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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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Nutrients Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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