

Special Issue

Role of the 2-Oxo Acid Dehydrogenase Complexes in Metabolism: Genetics, Structure and Function

Message from the Guest Editors

The aim of this Special Issue is to bring together the latest research on 2-oxo acid dehydrogenase complexes (OADHc), the key players in cell metabolism, enabling researchers to present their recent findings and to share their opinions on the recent advances in the field. This research topic will enhance our current understanding of protein interactions in metabolism related to human diseases. Keywords

- neurodegenerative and neurodevelopmental diseases
- 2-oxo acid dehydrogenases pathogenic variants
- mitochondrial dysfunction
- reactive oxygen species (ROS)
- pyruvate, α -oxoglutarate and 2-oxoadipate dehydrogenase complexes
- macromolecular assemblies
- post-translational modifications (PTMs) of proteins by succinylation and glutarylation
- molecular mechanisms of SIRT 5 (NAD⁺)
- X-ray structures of a disease-causing variants
- cryo-EM reconstruction of macromolecular complexes

Guest Editors

Prof. Dr. Frank Jordan

Department of Chemistry, Rutgers University, Newark, NJ 07103, USA

Dr. Natalia S. Nemeria

Department of Chemistry, Rutgers University, Newark, NJ 07103, USA

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Editor-in-Chief

Prof. Dr. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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