

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

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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