



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

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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

Deadline for manuscript
submissions:

closed (28 February 2023)

- 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





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Message from the Editor-in-Chief

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