

Special Issue

Amino Acid Transport Defects in Human Inherited Metabolic Disorders

Message from the Guest Editors

Amino acid transporters play essential roles in nutrient uptake, neurotransmitter recycling, protein synthesis, gene expression, cell redox balance, cell signaling, and regulation of cell volume. To date, 66 different human solute carrier (SLC) families and more than 400 transporter genes have been identified, including 11 that are known to include amino acid transporters. With regard to transporters that are closely connected to metabolism, amino acid transporter-associated diseases are linked to metabolic disorders, particularly when they involve different organs, cell types, or cell compartments. We encourage the submission of original research articles, communications, and topical reviews on all aspects related to metabolic inherited diseases that arise from amino acid transporter impairment: pathogenesis, clinical phenotype, laboratory findings, diagnosis, molecular research, and therapeutic targets.

Guest Editors

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Deadline for manuscript submissions

closed (15 January 2023)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
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