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# Amino Acid Transport Defects in Human Inherited Metabolic Disorders

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## 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.

Deadline for manuscript submissions:
**closed (15 January 2023)**

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## Message from the Editor-in-Chief

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