

Resource Summary Report

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BioParadigms

RRID:SCR_015494

Type: Tool

Proper Citation

BioParadigms (RRID:SCR_015494)

Resource Information

URL: <http://www.bioparadigms.org/>

Proper Citation: BioParadigms (RRID:SCR_015494)

Description: Web-based transporter resource that provides access to the TransCure interdisciplinary research network, the Genomic Transporter Database, and the Biomedical Transporter Conferences page.

Synonyms: Bioparadigms

Resource Type: portal, data or information resource

Keywords: membrane transporter, membrane transporter portal

Resource Name: BioParadigms

Resource ID: SCR_015494

Record Creation Time: 20220129T080326+0000

Record Last Update: 20260725T191052+0000

Ratings and Alerts

No rating or validation information has been found for BioParadigms.

No alerts have been found for BioParadigms.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 21 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Fradkin T, et al. (2025) A data-mining analysis of host solute carrier family proteins in SARS-CoV-2 infection with reference to brain endothelial cells and the blood-brain barrier in COVID-19. *Frontiers in neurology*, 16, 1563040.

Morin G, et al. (2024) Precision formulation, a new concept to improve dietary amino acid absorption based on the study of cationic amino acid transporters. *iScience*, 27(2), 108894.

Hushmandi K, et al. (2024) Amino acid transporters within the solute carrier superfamily: Underappreciated proteins and novel opportunities for cancer therapy. *Molecular metabolism*, 84, 101952.

Du C, et al. (2023) Neutral amino acid transporter SLC38A2 protects renal medulla from hyperosmolarity-induced ferroptosis. *eLife*, 12.

Wang Y, et al. (2023) Comprehensive analysis of transcriptome data and experimental identification show that solute carrier 35 member A2 (SLC35A2) is a prognostic marker of colorectal cancer. *Aging*, 15(20), 11554.

Saint-Criq V, et al. (2021) Extracellular phosphate enhances the function of F508del-CFTR rescued by CFTR correctors. *Journal of cystic fibrosis : official journal of the European Cystic Fibrosis Society*, 20(5), 843.

Ellingsen S, et al. (2021) The zebrafish cationic amino acid transporter/glycoprotein-associated family: sequence and spatiotemporal distribution during development of the transport system b0,+ (slc3a1/slc7a9). *Fish physiology and biochemistry*, 47(5), 1507.

Drew D, et al. (2021) Structures and General Transport Mechanisms by the Major Facilitator Superfamily (MFS). *Chemical reviews*, 121(9), 5289.

Busslinger GA, et al. (2021) Human gastrointestinal epithelia of the esophagus, stomach, and duodenum resolved at single-cell resolution. *Cell reports*, 34(10), 108819.

Dvorak V, et al. (2021) An Overview of Cell-Based Assay Platforms for the Solute Carrier Family of Transporters. *Frontiers in pharmacology*, 12, 722889.

Ellingsen S, et al. (2020) Sequence analysis and spatiotemporal developmental distribution of the Cat-1-type transporter slc7a1a in zebrafish (*Danio rerio*). *Fish physiology and biochemistry*, 46(6), 2281.

Meixner E, et al. (2020) A substrate-based ontology for human solute carriers. *Molecular systems biology*, 16(7), e9652.

Denecke S, et al. (2020) A transcriptomic and proteomic atlas of expression in the *Nezara viridula* (Heteroptera: Pentatomidae) midgut suggests the compartmentalization of xenobiotic metabolism and nutrient digestion. *BMC genomics*, 21(1), 129.

Vacca F, et al. (2019) The peptide transporter 1a of the zebrafish *Danio rerio*, an emerging model in nutrigenomics and nutrition research: molecular characterization, functional properties, and expression analysis. *Genes & nutrition*, 14, 33.

Higuchi A, et al. (2018) iMusta4SLC: Database for the structural property and variations of solute carrier transporters. *Biophysics and physicobiology*, 15, 94.

Edwards N, et al. (2018) Resculpting the binding pocket of APC superfamily LeuT-fold amino acid transporters. *Cellular and molecular life sciences : CMLS*, 75(5), 921.

Abrams AJ, et al. (2015) Mutations in SLC25A46, encoding a UGO1-like protein, cause an optic atrophy spectrum disorder. *Nature genetics*, 47(8), 926.

Romano A, et al. (2014) Teleost fish models in membrane transport research: the PEPT1(SLC15A1) H⁺-oligopeptide transporter as a case study. *The Journal of physiology*, 592(5), 881.

Hediger MA, et al. (2013) The ABCs of membrane transporters in health and disease (SLC series): introduction. *Molecular aspects of medicine*, 34(2-3), 95.

Thwaites DT, et al. (2011) The SLC36 family of proton-coupled amino acid transporters and their potential role in drug transport. *British journal of pharmacology*, 164(7), 1802.