

Resource Summary Report

Generated by [dkNET](#) on Sep 11, 2026

Perseus

RRID:SCR_015753

Type: Tool

Proper Citation

Perseus (RRID:SCR_015753)

Resource Information

URL: <http://www.perseus-framework.org>

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Description: Software that supports biological and biomedical researchers in interpreting protein quantification, interaction and post-translational modification data. Perseus contains a comprehensive portfolio of statistical tools for high-dimensional omics data analysis covering normalization, pattern recognition, time-series analysis, cross-omics comparisons and multiple hypothesis testing.

Resource Type: data analysis software, data processing software, software application, software resource

Defining Citation: [PMID:27348712](#)

Keywords: shotgun proteomics data analysis, protein quantification, post-translational modification data, statistical analysis, omics data

Funding: European Union 686547;
European Union GA ERC-2012-SyG_318987–ToPAG

Availability: Free, Available for download, Runs on Windows, Runs on Mac OS, Tutorial available, Account required

Resource Name: Perseus

Resource ID: SCR_015753

Alternate URLs: <http://www.biochem.mpg.de/5111810/perseus>

Record Creation Time: 20220129T080327+0000

Record Last Update: 20260905T132758+0000

Ratings and Alerts

No rating or validation information has been found for Perseus.

No alerts have been found for Perseus.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 4024 mentions in open access literature.

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

Krusen BM, et al. (2026) Improving a Plasma Biomarker Panel for Early Detection of Pancreatic Ductal Adenocarcinoma with Aminopeptidase N (ANPEP) and Polymeric Immunoglobulin Receptor (PIGR). *Clinical cancer research : an official journal of the American Association for Cancer Research*, 32(4), 756.

Jones L, et al. (2026) A structure-based modeling approach identifies effective drug combinations for RAS-mutant acute myeloid leukemia. *iScience*, 29(8), 116875.

Lara Castillo NA, et al. (2026) Exercise beneficially reshapes fasted rat skeletal muscle involving the combined action of β -hydroxybutyrate and palmitoleic acid. *American journal of physiology. Cell physiology*, 330(4), C1006.

Köcher S, et al. (2026) Overexpression of the ERG oncogene in prostate cancer identifies candidates for PARP inhibitor-based radiosensitization. *The Journal of clinical investigation*, 136(6).

Daniele LL, et al. (2026) Selective deletion of Slc2a1 from the RPE reveals that rods but not cones depend on glucose transport across the outer blood-retinal barrier. *iScience*, 29(1), 114450.

Mrkacek M, et al. (2026) ORMDL Proteins Turnover via Proteasome and Autophagy Is Cell-Type Dependent and Tied to Ceramide Homeostasis. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 40(6), e71655.

Yamanaka S, et al. (2026) An interactome-based framework for DDB1- and CUL4-associated factor prioritization in targeted protein degradation. *Molecular cell*, 86(7), 1397.

McLeod F, et al. (2026) Human brain slice culture model of STXBP1 encephalopathy reveals disruption of neuronal network activity and changes in gene expression. *Experimental neurology*, 404, 115855.

Preston R, et al. (2026) Accelerated basement membrane remodeling and serum matrix fragments as biomarkers of fibrosis in Alport syndrome. *Cell reports*, 45(5), 117356.

Park YJ, et al. (2026) Spatiotemporal translation of sperm acrosome associated proteins during early capacitation modulates sperm fertilizing ability. *Journal of advanced research*, 79, 313.

Karpinska B, et al. (2026) Seed-Borne Spirosoma pollinicola in Commercial Hazelnuts: A Global Survey of Microbial Presence and Allergen Diversity. *Plant, cell & environment*, 49(1), 398.

Wu K, et al. (2026) Low concentrations of amyloid-beta oligomers induce synaptogenesis characteristic for mild cognitive impairment and alter the de novo proteome. *Translational psychiatry*, 16(1).

Cho H, et al. (2026) Quantitative proteomics and phosphoproteomics reveal glucocorticoid stimulation of TLR and Rho GTPase signaling in neutrophil-like cells. *Genome biology*, 27(1).

Yang D, et al. (2026) Proximity proteomics reveals OTUD6B regulation of stress granule dynamics through coalescence with VCP/p97. *Cell death & disease*, 17(1), 206.

Feller B, et al. (2026) The Neurexin1? Histidine-Rich Domain Is Involved in Excitatory Presynaptic Organization and Short-Term Plasticity. *eNeuro*, 13(2).

Huijboom L, et al. (2026) Sigma B regulated motility and chemotaxis in Bacillus cereus. *Microbiology (Reading, England)*, 172(1).

Fili K, et al. (2026) Mice carrying a GluN2B protein-truncating variant have altered NMDA receptor subunit composition and their behavior recapitulates patient phenotypes. *Cellular and molecular life sciences : CMLS*, 83(1), 89.

Kohlhause D, et al. (2026) The nuclear envelope protein TMEM209 is an integral component of the nuclear pore complex and interacts with Nup210. *Journal of cell science*, 139(12).

Heger LM, et al. (2026) VMAT2 dysfunction impairs vesicular dopamine uptake, driving its oxidation and α -synuclein pathology in DJ-1-linked Parkinson's neurons. *Science advances*, 12(7), eadz5645.

Di Paola M, et al. (2026) Subcellular Proteomic Analyses Reveal REEP5 Knockdown in the Mouse Heart Disrupts Mitochondrial Networks. *Molecular & cellular proteomics : MCP*, 25(3), 101527.