

Resource Summary Report

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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: 20260829T182504+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 [NIF](#) .

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.

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.

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).

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.

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.

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.

Schönbichler A, et al. (2026) Tyrosine kinase targeting uncovers oncogenic pathway plasticity in Tasmanian devil transmissible cancers. *The EMBO journal*, 45(5), 1426.

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.

Bock A, et al. (2026) REEP1 Accumulation Disrupts ER Integrity and Drives Spinal Motoneuron Degeneration in Distal Hereditary Motor Neuropathy. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(2), e11483.

Lu H, et al. (2026) Exploring the interplay between protein conformational changes and phosphorylation in a pancreatic cancer cell and stellate cell coculture system. *Proceedings of the National Academy of Sciences of the United States of America*, 123(1), e2511839122.

Stobernack T, et al. (2026) Proteomic Profiling of Alveolar Macrophages Identifies Loss of Lysosomal Content as an Indicator of Nanofiber-Induced Frustrated Phagocytosis. *Small* (Weinheim an der Bergstrasse, Germany), 22(11), e10530.

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

Šunátová K, et al. (2026) The cytochrome c oxidase subunit COX6B1 is required for redox-sensitive early assembly and late stabilization of complex IV. *The Journal of biological chemistry*, 302(2), 111070.

Yang H, et al. (2026) Pervasive phenotypic effects of FBXO42 are promoted by regulation of PP4 phosphatase. *The EMBO journal*, 45(4), 1332.

Su T, et al. (2026) PROTAC-Mediated HMGCR Depletion Reprograms Lipid Metabolism in Breast Cancer to Potentiate Photoimmunotherapy via Ferroptosis. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(13), e21525.

Elizarov I, et al. (2026) Engineering Biomimetic Nanoparticle Performance Through Fabrication Method Selection: Turbulent Jet Mixing, Microfluidics, and Extrusion. *Small methods*, 10(3), e01770.