

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

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: 20260729T044408+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 3632 mentions in open access literature.

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

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.

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.

Chanpichai R, et al. (2026) Salivary proteomics in patients with fixed orthodontic appliances and Invisalign treatment. *International dental journal*, 76(1), 103971.

Minchaca AZ, et al. (2026) Surface Proteomic Analysis Reveals the Presence of Noncanonical Cell Membrane Endoplasmic Reticulum Chaperones in High-Grade Gliomas. *Journal of proteome research*, 25(1), 169.

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.

Bastrup JA, et al. (2026) Temporal Proteomic Remodeling of Cerebral Arteries in Male Hypertensive Rats. *Hypertension (Dallas, Tex. : 1979)*, 83(1), 73.

Petkovic M, et al. (2026) Improved wound healing by dual inhibition of miR-146a-5p and miR-29a-3p supports a network action of dysregulated miRNAs in diabetic skin. *Diabetologia*, 69(1), 214.

Gronauer TF, et al. (2026) Blood Matrices and Sample Preparation Influence Blood Marker Discovery. *Journal of proteome research*, 25(1), 405.

Askarani MF, et al. (2026) Top-Down Proteomics Study of Aging and Sexual Dimorphism of Zebrafish Brains. *Journal of mass spectrometry : JMS*, 61(1), e70009.

Schmidt A, et al. (2026) Gas plasma therapy of murine and human diabetic wounds is associated with junctional and hippo signaling and oxidative protein modifications. *Redox biology*, 89, 103951.

Thomas WR, et al. (2026) Dynamic metabolic and molecular changes during seasonal shrinking in *Sorex araneus*. *Genome research*, 36(1), 61.

Serafino G, et al. (2026) Mechanical Cues Regulate Cargo Sorting and Export at the Golgi. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(1), e06241.

Bianchi N, et al. (2026) FCRL3 is an immunoregulatory receptor that restrains the activation of human memory T lymphocytes. *The Journal of experimental medicine*, 223(1).

Iavazzo M, et al. (2026) TFEB coordinates autophagosome biogenesis and ribophagy during starvation via SQSTM1. *Science advances*, 12(1), eaea9302.

Nemes D, et al. (2026) Redox-dependent protein S-glutathionylation governs azacitidine sensitivity and resistance in AML. *Redox biology*, 89, 103958.

Scholz P, et al. (2026) Arabidopsis root lipid droplets are hubs for membrane homeostasis under heat stress, and triterpenoid synthesis and storage. *The New phytologist*, 249(2), 892.

Makhmut A, et al. (2026) Spatial proteomics of ovarian cancer precursors delineates early disease changes and drug targets. *Molecular systems biology*, 22(1), 7.

Biggs KE, et al. (2025) Coronin1A Regulates the Trafficking of Alpha Synuclein in Microglia. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 45(11).

Tseng PL, et al. (2025) Mechanical control of the alternative splicing factor PTBP1 regulates extracellular matrix stiffness induced proliferation and cell spreading. *iScience*, 28(4), 112273.