

Resource Summary Report

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ProteoWizard

RRID:SCR_012056

Type: Tool

Proper Citation

ProteoWizard (RRID:SCR_012056)

Resource Information

URL: <http://proteowizard.sourceforge.net/>

Proper Citation: ProteoWizard (RRID:SCR_012056)

Description: Software that enables rapid tool creation by providing a robust, pluggable development framework that simplifies and unifies data file access, and performs standard proteomics and LCMS dataset computations.

Resource Type: software resource

Defining Citation: [PMID:23051804](#)

Keywords: standalone software, c++

Availability: Apache License

Resource Name: ProteoWizard

Resource ID: SCR_012056

Alternate IDs: OMICS_03354

Record Creation Time: 20220129T080308+0000

Record Last Update: 20260725T190729+0000

Ratings and Alerts

No rating or validation information has been found for ProteoWizard.

No alerts have been found for ProteoWizard.

Data and Source Information

Usage and Citation Metrics

We found 3243 mentions in open access literature.

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

Zhai MR, et al. (2026) Chronic intermittent hypoxia increases Parkinson's disease susceptibility via PPAR γ -mediated lipid droplet-mitochondrial dysfunction. *Theranostics*, 16(5), 2466.

Liu X, et al. (2026) A Global Metabolomic and Lipidomic Landscape of Human Plasma Across the Lifespan. *Aging cell*, 25(1), e70316.

van Vliet AR, et al. (2026) A Rab1 interactome illuminates a dual role in autophagy and membrane trafficking. *The Journal of cell biology*, 225(3).

Yu Y, et al. (2026) *Perilla frutescens* seeds enhance lamb immunity and antioxidant capacity via the microbiota-gut-liver-muscle axis. *Journal of animal science and biotechnology*, 17(1), 1.

Song Y, et al. (2026) Comprehensive serum, follicular fluid, and ovarian tissue profiling reveals systemic metabolic alterations in high-yielding dairy cows with postpartum inactive ovaries. *BMC veterinary research*, 22(1), 2.

Zhao M, et al. (2026) *Prevotella copri* facilitates wound healing in mice through the sphingosine-CerS1-ceramide metabolic pathway. *Microbiology spectrum*, 14(1), e0158725.

Zhang J, et al. (2026) PHGDH-dependent serine metabolism in astrocytes: A key regulator of oxidative stress and pyroptosis in cerebral ischemia-reperfusion injury. *Redox biology*, 89, 103954.

Xu J, et al. (2026) Omnivorous feeding modulates meat quality and flavor in Xinghua and White Recessive Rock chickens: A metabolomic exploration of breed-specific metabolic pathways. *Poultry science*, 105(1), 106211.

Zhang C, et al. (2026) Multi-omics reveals gut microbiota-mediated environmental adaptation in Mallards and domesticated Shaoxing ducks. *Poultry science*, 105(1), 106177.

Wang J, et al. (2026) *Clostridium butyricum* alleviates multiple myeloma by remodeling the bone marrow microenvironment and inhibiting PI3K/AKT pathway through the gut-bone axis. *Gut microbes*, 18(1), 2609455.

Kang Q, et al. (2026) Identification of multimorbidity hub genes for knee osteoarthritis-atherosclerosis and potential clinical applications. *Molecular medicine reports*, 33(1).

Durot S, et al. (2026) Multi-omics analysis reveals metabolic diversity underlying endothelial cell functions. *Life science alliance*, 9(3).

Yeh HW, et al. (2025) Mitochondrial glutathione import enables breast cancer metastasis via integrated stress response signaling. *Cancer discovery*.

Liu C, et al. (2025) A chromosome-scale genome assembly of the pioneer plant *Stylosanthes angustifolia*: insights into genome evolution and drought adaptation. *GigaScience*, 14.

Cong B, et al. (2025) Colon cancer cells evade drug action by enhancing drug metabolism. *Oncogene*, 44(36), 3284.

Pan Y, et al. (2025) Functional-proteomics-based investigation of the cellular response to farnesyltransferase inhibition in lung cancer. *iScience*, 28(2), 111864.

Gebbru MT, et al. (2025) Loss of UXS1 Selectively Depletes Pyrimidines and Induces Replication Stress in KEAP1-Mutant Lung Cancer. *Cancer research*, 85(23), 4806.

Li Z, et al. (2025) Metabolite-dependent m6A methylation driven by mechanotransduction-metabolism-epitranscriptomics axis promotes bone development and regeneration. *Cell reports*, 44(5), 115611.

Anagho-Mattanovich M, et al. (2025) Multi-omics analysis of thermogenic lipolysis in brown adipocytes. *iScience*, 28(9), 113382.

Yang Z, et al. (2025) *Veillonella* intestinal colonization promotes *C. difficile* infection in Crohn's disease. *Cell host & microbe*, 33(9), 1518.