

Resource Summary Report

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Spectrum Mill

RRID:SCR_022171

Type: Tool

Proper Citation

Spectrum Mill (RRID:SCR_022171)

Resource Information

URL: <https://proteomics.broadinstitute.org/>

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Description: Software tool for high throughput processing of MS/MS and MS spectra to provide protein and peptide identifications and relative quantitation.

Synonyms: Agilent Spectrum Mill MS Proteomics Workbench, Spectrum Mill v7.11

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

Keywords: mass spectrometry data, MS spectra, protein and peptide identifications, protein and peptide quantification,

Availability: Free, Available for download

Resource Name: Spectrum Mill

Resource ID: SCR_022171

License URLs: <https://proteomics.broadinstitute.org/eulaBI.htm>

Record Creation Time: 20220421T050139+0000

Record Last Update: 20260912T200111+0000

Ratings and Alerts

No rating or validation information has been found for Spectrum Mill.

No alerts have been found for Spectrum Mill.

Data and Source Information

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

Abu-Remaileh M, et al. (2026) Targeting of HIF2-driven cachexia in kidney cancer. *Nature medicine*, 32(1), 245.

McLaughlin CN, et al. (2026) Endocytome profiling uncovers cell-surface protein dynamics underlying neuronal connectivity. *Neuron*, 114(11), 1935.

Singh A, et al. (2025) Cell-death induced immune response and coagulopathy promote cachexia in *Drosophila*. *bioRxiv* : the preprint server for biology.

Abu-Remaileh M, et al. (2025) HIF2-driven PTHrP Causes Cachexia and Hypercalcemia in Kidney Cancer: Treatment with HIF2 Inhibitors. *bioRxiv* : the preprint server for biology.

Yeo MJR, et al. (2025) UM171 glues asymmetric CRL3-HDAC1/2 assembly to degrade CoREST corepressors. *Nature*, 639(8053), 232.

Lee SY, et al. (2025) Directed evolution of LacclD for cell surface proximity labeling and electron microscopy. *Nature chemical biology*, 21(12), 1895.

Jiang Q, et al. (2025) HIF regulates multiple translated endogenous retroviruses: Implications for cancer immunotherapy. *Cell*, 188(7), 1807.

Neill NJ, et al. (2025) Integrative Proteogenomics and Forward Genetics Reveal a Novel Mitotic Vulnerability in Triple-Negative Breast Cancer. *Cancer discovery*, 15(11), 2326.

Zhu QM, et al. (2024) Protein interaction networks in the vasculature prioritize genes and pathways underlying coronary artery disease. *Communications biology*, 7(1), 87.

Xu C, et al. (2024) Molecular and cellular mechanisms of teneurin signaling in synaptic partner matching. *Cell*, 187(18), 5081.

Weingarten-Gabbay S, et al. (2024) The HLA-II immunopeptidome of SARS-CoV-2. *Cell reports*, 43(1), 113596.

Lee SY, et al. (2024) Directed evolution of the multicopper oxidase laccase for cell surface proximity labeling and electron microscopy. *bioRxiv* : the preprint server for biology.

Simpson MS, et al. (2024) IRE1^{??} recognizes a structural motif in cholera toxin to activate an unfolded protein response. *The Journal of cell biology*, 223(7).

Mansur A, et al. (2023) Dynamic regulation of inter-organelle communication by ubiquitylation controls skeletal muscle development and disease onset. *eLife*, 12.

Hsu YH, et al. (2023) Using brain cell-type-specific protein interactomes to interpret neurodevelopmental genetic signals in schizophrenia. *iScience*, 26(5), 106701.

Hofman DA, et al. (2023) Translation of non-canonical open reading frames as a cancer cell survival mechanism in childhood medulloblastoma. *bioRxiv : the preprint server for biology*.

Phulphagar KM, et al. (2023) Sensitive, High-Throughput HLA-I and HLA-II Immunopeptidomics Using Parallel Accumulation-Serial Fragmentation Mass Spectrometry. *Molecular & cellular proteomics : MCP*, 22(6), 100563.

Farsi Z, et al. (2023) Brain-region-specific changes in neurons and glia and dysregulation of dopamine signaling in *Grin2a* mutant mice. *Neuron*, 111(21), 3378.

Howard EE, et al. (2022) Effects of Testosterone on Mixed-Muscle Protein Synthesis and Proteome Dynamics During Energy Deficit. *The Journal of clinical endocrinology and metabolism*, 107(8), e3254.