

Resource Summary Report

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PRISM - Poisson RNA-profile Identification in Scaled Mixtures

RRID:SCR_027136

Type: Tool

Proper Citation

PRISM - Poisson RNA-profile Identification in Scaled Mixtures (RRID:SCR_027136)

Resource Information

URL: <https://bitbucket.org/anthakki/prism/src/master/>

Proper Citation: PRISM - Poisson RNA-profile Identification in Scaled Mixtures (RRID:SCR_027136)

Description: Software statistical framework that allows simultaneous extraction of tumor sample composition and cell type and sample specific whole-transcriptome profiles from individual bulk RNA-seq samples.

Abbreviations: PRISM

Synonyms: Poisson RNA-profile Identification in Scaled Mixtures

Resource Type: software application, software resource

Defining Citation: [PMID:33720334](#)

Keywords: simultaneous extraction of tumor sample composition, cell type, sample specific whole-transcriptome profile, individual bulk RNA-seq samples,

Funding: European Union Horizon 2020 ;
Academy of Finland ;
Finnish Cancer Association

Availability: Free, Available for download, Freely available

Resource Name: PRISM - Poisson RNA-profile Identification in Scaled Mixtures

Resource ID: SCR_027136

Record Creation Time: 20250703T065557+0000

Record Last Update: 20260810T040939+0000

Ratings and Alerts

No rating or validation information has been found for PRISM - Poisson RNA-profile Identification in Scaled Mixtures.

No alerts have been found for PRISM - Poisson RNA-profile Identification in Scaled Mixtures.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 783 mentions in open access literature.

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

Pradhan B, et al. (2026) Dynamic and Ongoing De Novo L1 Retrotransposition Contributes to Genome Plasticity and Intrapatient Heterogeneity in Ovarian Cancer. *Cancer research*, 86(4), 1073.

Huang HH, et al. (2026) Drug repurposing targeting miRNA-mRNA networks to mitigate areca nut-induced head and neck cancer. *Biomedical journal*, 49(2), 100886.

Chen Y, et al. (2026) Rare Cancer Explorer 1.0 (RaCE 1.0): a dedicated database and analytical platform focused on rare cancers. *Nucleic acids research*, 54(D1), D1590.

Liu Y, et al. (2026) Antibody-induced internalization and degradation of PLA2R amplifies CD4+ T cell activation. *Theranostics*, 16(1), 37.

Juric D, et al. (2026) PI3K γ Inhibitor and Degradar Inavolisib Can Co-opt FGFR2 to Enhance Responses in Patients with PIK3CA-Mutated Solid Tumors and in Preclinical Models. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 32(1), 56.

Noy K, et al. (2026) Lassa and Mopeia viruses produce different RIG-I-activating RNA in the absence of a functional viral exoribonuclease domain. *Journal of virology*, 100(6), e0211025.

Sada Del Real K, et al. (2026) Foundation models and deep learning for cancer drug response prediction: a framework for data, metrics, and validation. *Briefings in bioinformatics*, 27(3).

Kim YJJ, et al. (2026) Multivalent nanobodies for potent and broad neutralization of *Staphylococcus aureus* toxins. *Nature communications*, 17(1).

Lejeune M, et al. (2026) Structural determinants of endopilus assembly, stability and functional specificity in bacterial type II secretion. *bioRxiv : the preprint server for biology*.

- Havusha-Laufer S, et al. (2026) Altered ECM deposition and cell adhesion signaling in a human cortical organoid model of fragile X syndrome. *Molecular brain*, 19(1).
- Liu H, et al. (2026) ATM promotes PFKP nuclear translocation to balance glycolysis and homologous recombination repair. *Nucleic acids research*, 54(7).
- Ye JS, et al. (2026) Bacterial ubiquitin ligase engineered for small molecule and protein target identification. *The EMBO journal*, 45(3), 1024.
- Heumos L, et al. (2026) Pertpy: an end-to-end framework for perturbation analysis. *Nature methods*, 23(2), 350.
- Chen AT, et al. (2026) Harmonization and integration of pharmacogenomics screens. *Bioinformatics (Oxford, England)*, 42(7).
- Folkes OM, et al. (2026) Social Novelty Recruits a Dysfunctional Nucleus Accumbens Ensemble That Drives Social Avoidance in a Shank3 ^{-/-} Autism Model. *bioRxiv : the preprint server for biology*.
- Mahmoud RM, et al. (2026) M-Sec promotes the production of infectious HIV-1 virus through the exocyst complex in macrophages. *PLoS pathogens*, 22(6), e1013717.
- Healy GN, et al. (2026) A Context-Adapted Diabetes Prevention Program (Small Steps for Big Changes) in Australia: Protocol for a Hybrid Implementation-Effectiveness Study. *JMIR research protocols*, 15, e81195.
- Hayashi N, et al. (2026) Social rank and social environment combinedly affect REM sleep in mice. *Scientific reports*, 16(1), 871.
- Semenec L, et al. (2026) Molecular insights into polyurethane biodegradation in *Pseudomonas protegens*. *mBio*, 17(2), e0354425.
- Klötzer F, et al. (2026) Spatiotemporal dynamics of Mcl-1 abundance and its influence on apoptosis susceptibility. *bioRxiv : the preprint server for biology*.