

Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 8, 2026

CrossExpression

RRID:SCR_027990

Type: Tool

Proper Citation

CrossExpression (RRID:SCR_027990)

Resource Information

URL: <https://github.com/gillislabs/CrossExpression>

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Description: Software package to discover genes that coordinate their expression across spatially adjacent cells. Used for analysis of spatial transcriptomic data allowing in-depth analyses how genes coordinate their expression in space to perform tissue-level functions. Facilitates analysis and exploration of cross-expression patterns.

Resource Type: software resource, software toolkit

Defining Citation: [PMID:41163012](#)

Keywords: analysis of spatial transcriptomic data, genes, coordinate genes expression in space, cross-expression patterns,

Funding: NIMH DP2MH132940;
NIMH R01MH113005;
NIMH R01MH133181;
Ontario Graduate Scholarship ;
University of Toronto

Availability: Free, Available for download, Freely available

Resource Name: CrossExpression

Resource ID: SCR_027990

License: MIT license

Record Creation Time: 20260220T054226+0000

Record Last Update: 20260905T133604+0000

Ratings and Alerts

No rating or validation information has been found for CrossExpression.

No alerts have been found for CrossExpression.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Sarwar A, et al. (2025) Cross-expression meta-analysis of mouse brain slices reveals coordinated gene expression across spatially adjacent cells. *Genome biology*, 26(1), 373.

Sarwar A, et al. (2024) Cross-expression analysis reveals patterns of coordinated gene expression in spatial transcriptomics. *bioRxiv* : the preprint server for biology.