

Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 2, 2026

CSOmap

RRID:SCR_027636

Type: Tool

Proper Citation

CSOmap (RRID:SCR_027636)

Resource Information

URL: <https://github.com/zhongguojie1998/CSOmap>

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Description: Software tool for reconstruction of cell spatial organization from single-cell RNA sequencing data based on ligand-receptor mediated self-assembly. Infers cellular spatial organization from scRNA-seq by modeling ligand–receptor-mediated self-assembly. It constructs 3D pseudo-space and quantifies cell–cell interactions for downstream visualization and hypothesis testing.

Resource Type: software application, software resource, source code

Defining Citation: [PMID:32541867](#)

Keywords: Infer cellular spatial organization from scRNA-seq, modeling ligand–receptor-mediated self-assembly, reconstruction of cell spatial organization, single-cell RNA sequencing data, construct 3D pseudo-space, quantify cell–cell interactions,

Funding: National Natural Science Foundation of China ;
Peking University

Availability: Free, Available for download, Freely available

Resource Name: CSOmap

Resource ID: SCR_027636

Record Creation Time: 20251108T062234+0000

Record Last Update: 20260829T183510+0000

Ratings and Alerts

No rating or validation information has been found for CSOmap.

No alerts have been found for CSOmap.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Wang R, et al. (2026) Constructing the spatiotemporal atlas of single-cell lineage trajectories in stereotypic biological structures. iScience, 29(1), 114307.