Resource Summary Report

Generated by NIF on Sep 12, 2026

CellNEST

RRID:SCR_027883
Type: Tool

Proper Citation

CellNEST (RRID:SCR_027883)

Resource Information

URL: https://github.com/schwartzlab-methods/CellNEST

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Description: Software tool to decipher patterns of communication. Used to relay-network communication detection that identifies putative ligand–receptor–ligand–receptor communication. Detects T cell homing signals in human lymph nodes, identifies aggressive cancer communication in lung adenocarcinoma and colorectal cancer, and predicts new patterns of communication that may act as relay networks in pancreatic cancer.

Abbreviations: CellNEST

Synonyms: Cell Neural Networks on Spatial Transcriptomics (CellNEST)

Resource Type: software application, software resource, source code

Defining Citation: PMID:40481363

Keywords: ABRF, decipher patterns of communication, relay-network communication detection, identifies putative ligand–receptor–ligand–receptor communication, spatial transcriptomics data,

Availability: Free, Available for download, Freely available

Resource Name: CellNEST

Resource ID: SCR_027883

License: GNU GPL

Record Creation Time: 20260117T054617+0000

Record Last Update: 20260912T200538+0000

Ratings and Alerts

No rating or validation information has been found for CellNEST.

No alerts have been found for CellNEST.

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 NIF .

Ku LT, et al. (2026) Benchmarking tools for deciphering cellular crosstalk in spatially-resolved transcriptomics. Genome biology, 27(1).