

Resource Summary Report

Generated by [kravitz2](#) on Jul 31, 2026

Palantir

RRID:SCR_027194

Type: Tool

Proper Citation

Palantir (RRID:SCR_027194)

Resource Information

URL: <https://github.com/dpeerlab/Palantir/>

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Description: Algorithm to align cells along differentiation trajectories. Models trajectories of differentiating cells by treating cell fate as probabilistic process and leverages entropy to measure cell plasticity along the trajectory. Generates high-resolution pseudo-time ordering of cells and, for each cell state, assigns probability of differentiating into each terminal state.

Resource Type: software resource, source code, algorithm resource

Defining Citation: [PMID:30899105](#)

Keywords: Trajectory, align cells along differentiation trajectories,

Funding: NICHD DP1-HD084071;
NCI R01CA164729;
NCI P30 CA008748

Availability: Free, Available for download, Freely available

Resource Name: Palantir

Resource ID: SCR_027194

License: MIT license

Record Creation Time: 20250715T054951+0000

Record Last Update: 20260731T043228+0000

Ratings and Alerts

No rating or validation information has been found for Palantir.

No alerts have been found for Palantir.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Wu S, et al. (2025) Ferret model of bleomycin-induced lung injury shares features of human idiopathic pulmonary fibrosis. NPJ Regenerative medicine, 10(1), 53.

Chen Z, et al. (2025) SemiLT: A Multianchor Transfer Learning Method for Cross-Modality Cell Label Annotation from scRNA-seq to scATAC-seq. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(43), e07846.

Murillo-Rinc n AP, et al. (2025) Positional programs in early murine facial development and their role in human facial shape variability. Nature communications, 16(1), 10112.