

Resource Summary Report

Generated by [dkNET](#) on Sep 21, 2026

DiPer

RRID:SCR_021720

Type: Tool

Proper Citation

DiPer (RRID:SCR_021720)

Resource Information

URL: <https://www.nature.com/articles/nprot.2014.131>

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Description: Software tool calculates direction autocorrelation, plots and calculates other essential parameters to analyze cell migration in two dimensions: it displays cell trajectories individually and collectively, and it calculates average speed and mean square displacements (MSDs) to assess the area explored by cells over time.

Resource Type: data analysis software, data processing software, software application, software resource

Keywords: calculates direction autocorrelation, analyze cell migration, displays cell trajectories, calculates average speed and mean square displacements

Resource Name: DiPer

Resource ID: SCR_021720

Record Creation Time: 20220129T080357+0000

Record Last Update: 20260919T195457+0000

Ratings and Alerts

No rating or validation information has been found for DiPer.

No alerts have been found for DiPer.

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 [dkNET](#) .

Crestani M, et al. (2022) Protocol to assess human glioma propagating cell migration on linear micropatterns mimicking brain invasion tracks. STAR protocols, 3(2), 101331.

Holt JR, et al. (2021) Spatiotemporal dynamics of PIEZO1 localization controls keratinocyte migration during wound healing. eLife, 10.

Sen A, et al. (2020) Altered Adhesion and Migration of Human Mesenchymal Stromal Cells under Febrile Temperature Stress Involves NF- κ B Pathway. Scientific reports, 10(1), 4473.