

Resource Summary Report

Generated by PRECISE-TBI on Jul 31, 2026

DANNCE

RRID:SCR_023061

Type: Tool

Proper Citation

DANNCE (RRID:SCR_023061)

Resource Information

URL: <https://github.com/spoonssso/dannce>

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Description: Convolutional neural network that calculates 3D positions of user-defined anatomical landmarks on behaving animals from videos taken at multiple angles. Works on recorded video data from multiple cameras. Used for 3D markerless pose estimation and tracking.

Synonyms: 3-Dimensional Aligned Neural Network for Computational Ethology

Resource Type: data processing software, 3d visualization software, data visualization software, software resource, software application

Keywords: OpenBehavior, track animals, pose information, 3D positions, video data, multiple cameras, 3D markerless pose estimation and tracking,

Availability: Free, Available for download, Freely available

Resource Name: DANNCE

Resource ID: SCR_023061

Alternate URLs: <https://edspace.american.edu/openbehavior/?s=DANNCE>

Record Creation Time: 20221228T050157+0000

Record Last Update: 20260731T043124+0000

Ratings and Alerts

No rating or validation information has been found for DANNCE.

No alerts have been found for DANNCE.

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](#) .

Jiang H, et al. (2025) DCAF7 recruits USP2 to facilitate hepatocellular carcinoma progression by suppressing clockophagy-induced ferroptosis. Cell death & disease, 16(1), 654.