

u-track3D Package Description

u-track3D package is a MATLAB package, which tackles on-going challenges in the interpretation and quantitative analysis of large arrangements of 3D trajectories as it arises with the measurement of intracellular dynamics with light-sheet microscopy.

It is associated with the paper, **u-track3D: Measuring, navigating, and validating dense particle trajectories in three dimensions**, *Cell Reports Methods*, 2023, written by Philippe Roudot, Wesley R Legant, Qiongjing Zou, Kevin M Dean, Tadamoto Isogai, Erik S Welf, Ana F David, Daniel W Gerlich, Reto Fiolka, Eric Betzig, and Gaudenz Danuser.