

## **u-integrate (previous named Granger-Causality Analysis) Package**

### **Description:**

u-integrate Package is a MATLAB package to run the image processing of 2-channel live cell videos, cross-correlation analysis with molecular activities near the cell edge, and the Granger-causality inference pipeline.

It is associated with the paper, **Granger-causal inference of the lamellipodial actin regulator hierarchy by live cell imaging without perturbation**, *Cell Systems*, 2022, 13(6):471-487.e8, written by Jungsik Noh, Tadamoto Isogai, Joseph Chi, Kushal Bhatt, Gaudenz Danuser.