



TRACKMATE WORKSHOP

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Fiji plugins

- IJPB-plugins
 - TrackMate Helper
-
1. Select Help > Update... from the Fiji menu to start the updater.
 2. Click on Manage update sites. This brings up a dialog where you can activate additional update sites.
 3. Activate plugins update sites and close the dialog.
 4. Click Apply changes and restart Fiji.

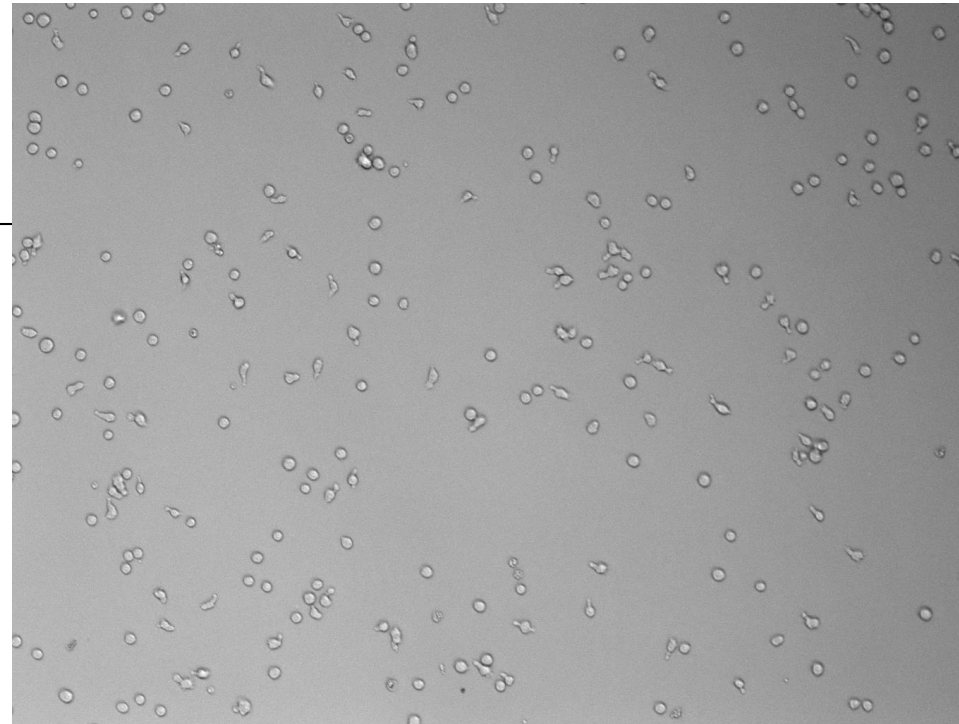
OUR TASK TODAY

How does the coating on glass bottom dishes affect the migration of T-cells?

ICAM



VCAM



Our task today – T cell dataset

GitHub: Day4.md

- Create a tracking imaging
 - Use *create_tracking_image.ijm* macro (Fiji)
 - Use datasets from Day2:
 - **Original data:** 7-Data (original data)
 - **Labels:** 8-labels(pre-done)
 - Define tracking parameters for *test_image_Exp 1 ICAM 1*
 - Use the TrackMate interface in Fiji
 - Save these settings as an xml file (TrackMate settings file)
 - Apply these settings to all data using TrackMate Batcher
 - *Plugins › Tracking › TrackMate Batcher*
 - Folder with the tracking images
 - Export: 1) Spot table, 2) Track table and 3) Movie
- Two red arrows point from the list items to the download links on the right. One arrow points from 'Use *create_tracking_image.ijm* macro (Fiji)' to 'Download Fiji-script for making tracking images'. The other arrow points from 'Use datasets from Day2:' to 'Download tracking datasets for T cell dataset'.

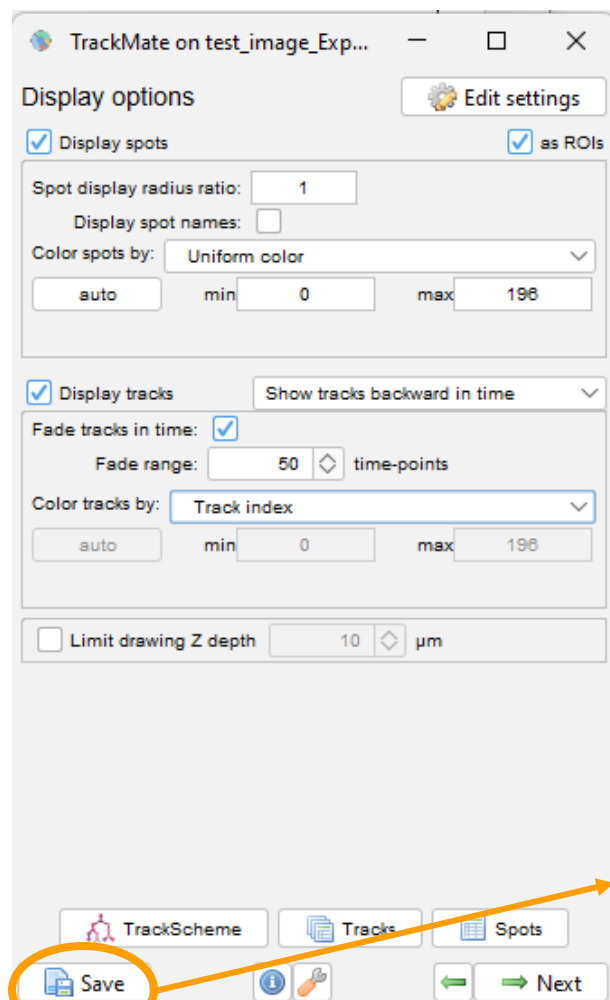
[Download Fiji-script for making tracking images](#)

[Download video for creating tracking settings](#)

[Download tracking datasets for T cell dataset](#) (2,2 GB, backup)

1-Training_source	>
2-Training_target	>
3-StarDist model	>
4-Quality_source	>
5-Quality_target	>
6-Test Data	>
7-Data	>
8-results_for_students	>
8-results-labels(pre-done)	>
8-results(pre-done)	>

Cheat sheet



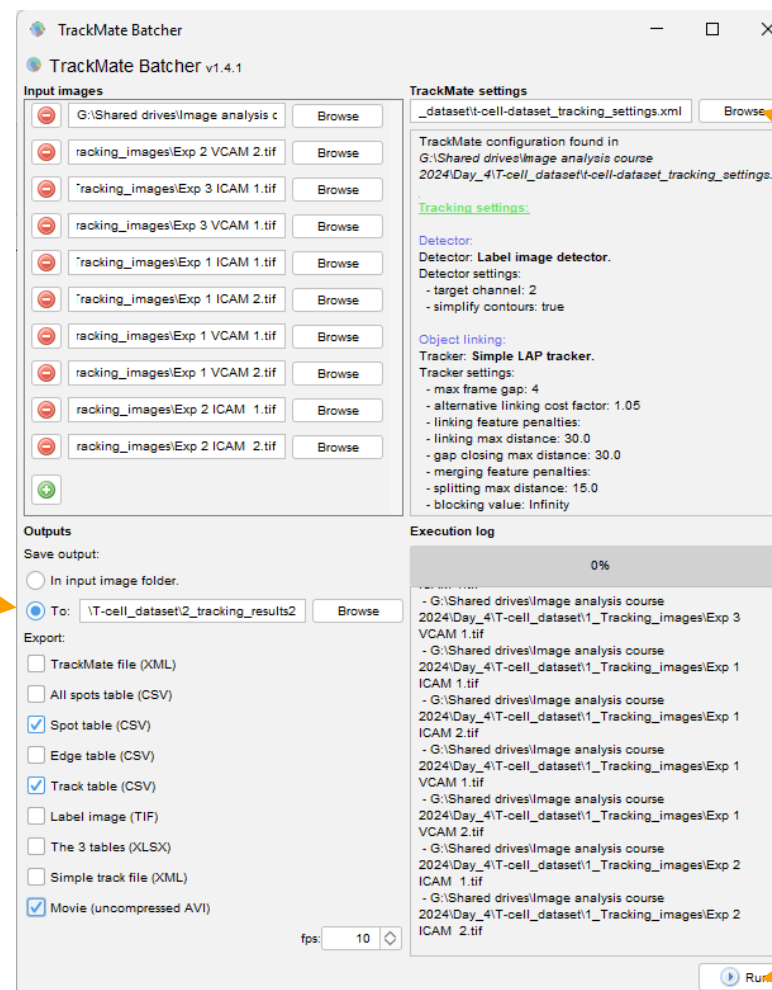
Tracking images
(drag and drop)

Export path

What to export

TrackMate settings file

t-cell-dataset_tracking_settings



Path to TrackMate
settings file

t-cell-dataset_tracking_settings

Log window

Start!