

(Again) Before we start

We would love some feedback 😇





Link to the form

Why CellTracksCollab

Large Experiments

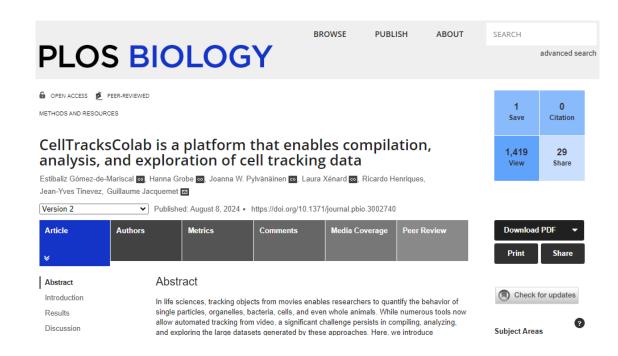
Reasons

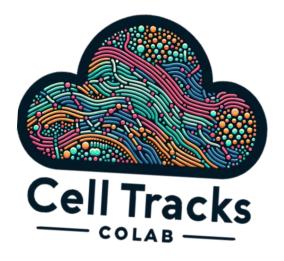
- Multiple conditions
- Multiple cell lines
- Multiple repeats
- Multiple FOVs

Help

- Plate readers
- Multiview acquisition

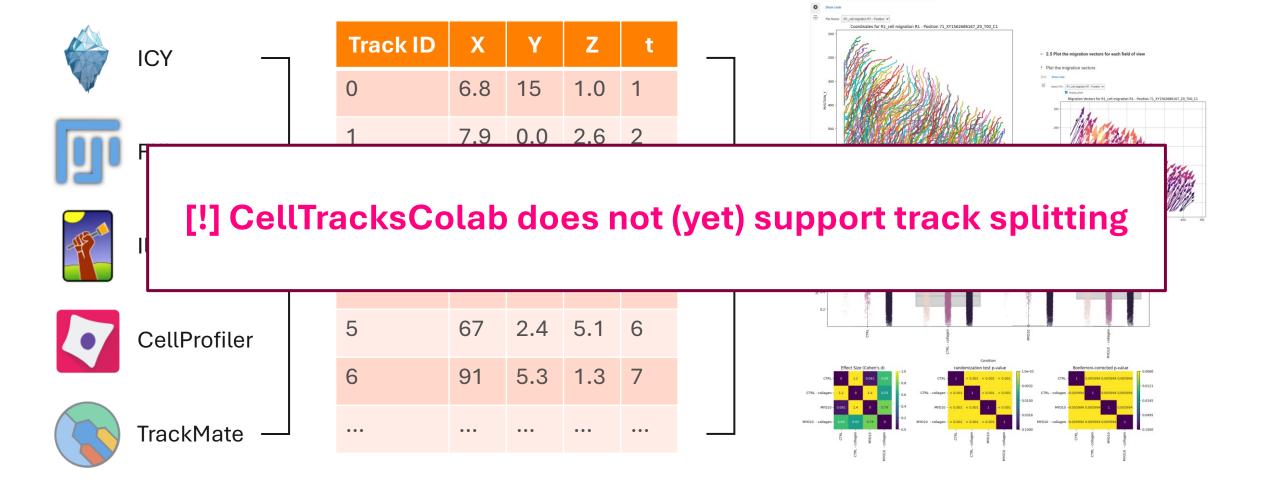
The platform





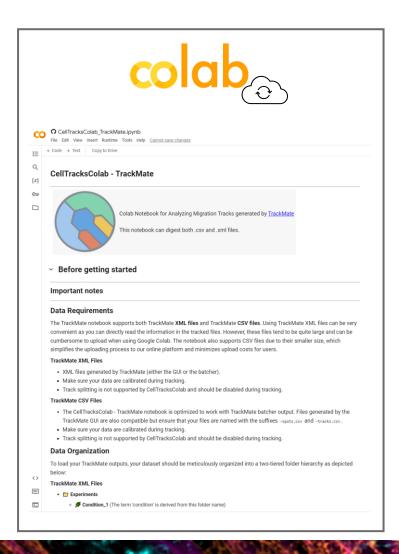
GitHub page for CellTracksColab

How it works

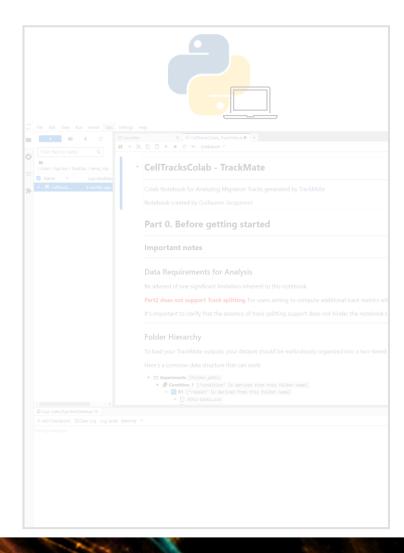


> Run the cell and choose the file you want to inspect

Where it works







Now WE go!



Tracking results from the TrackMate sessions Datasets provided **Tracking Data**



Plot the data and find something

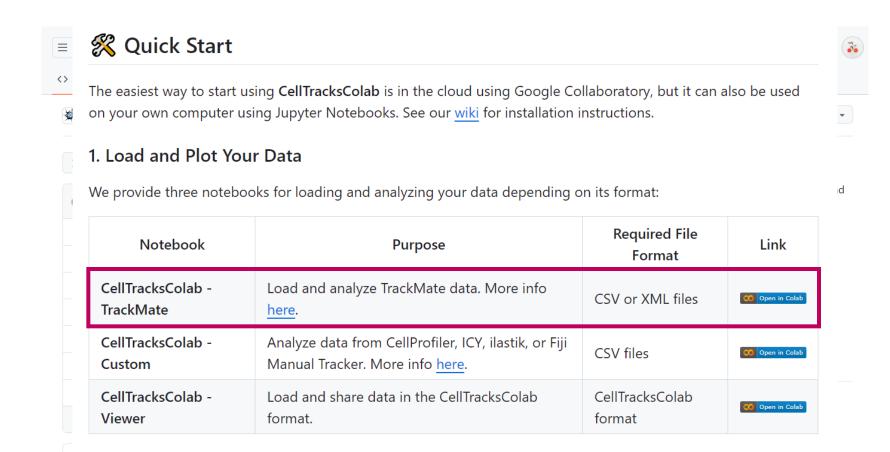
CellTracksColab



30 min (15:00) 15 min

work time check in

Where we go



The folder structure

> Multiple conditions and repeats

```
Experiments [Folder_path]

Condition_1 ['condition' is derived from this folder name]

R1 ['repeat' is derived from this folder name]

FOV1.csv

FOV2.csv

R2

FOV2.csv

FOV2.csv

R2

R1

R1

R1

R2
```

> Single condition and repeat

```
Experiments [Folder_path]

O Condition_1 ['condition' is derived from this folder name]

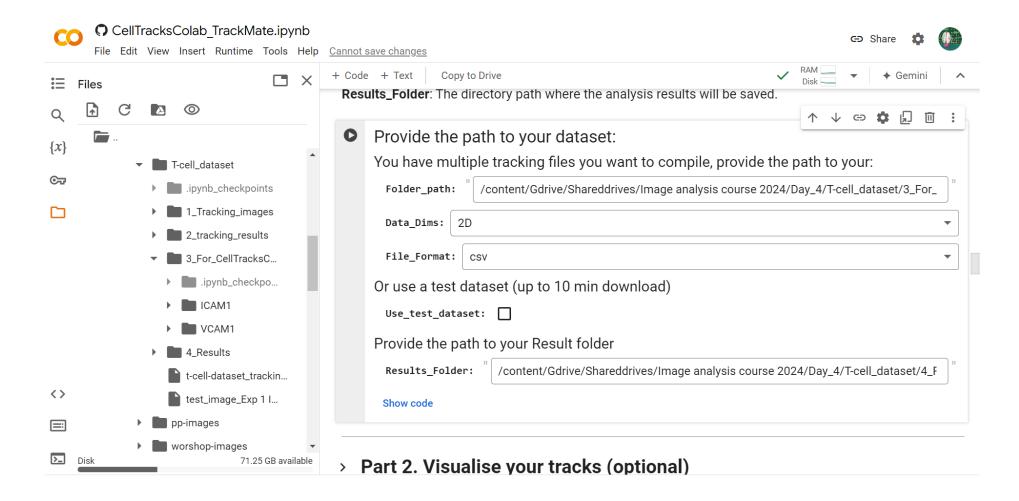
R1 ['repeat' is derived from this folder name]

FOV1.csv

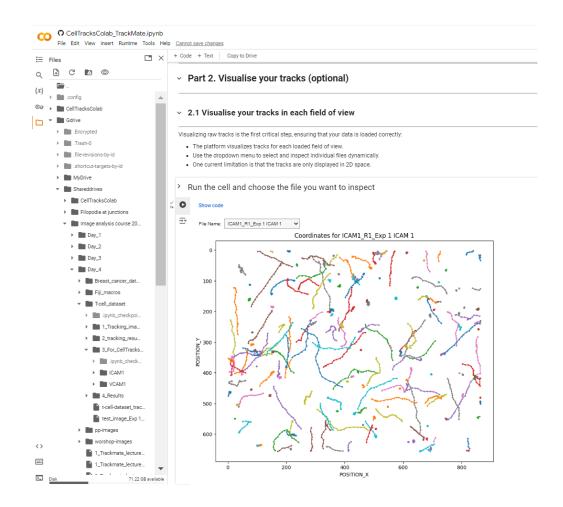
FOV2.csv
```

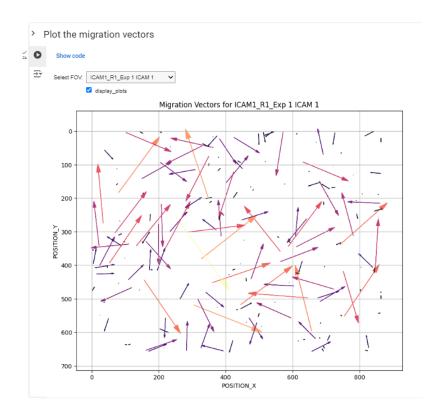
see also the extensive wiki on GitHub

Load the data (Part 0 and 1)



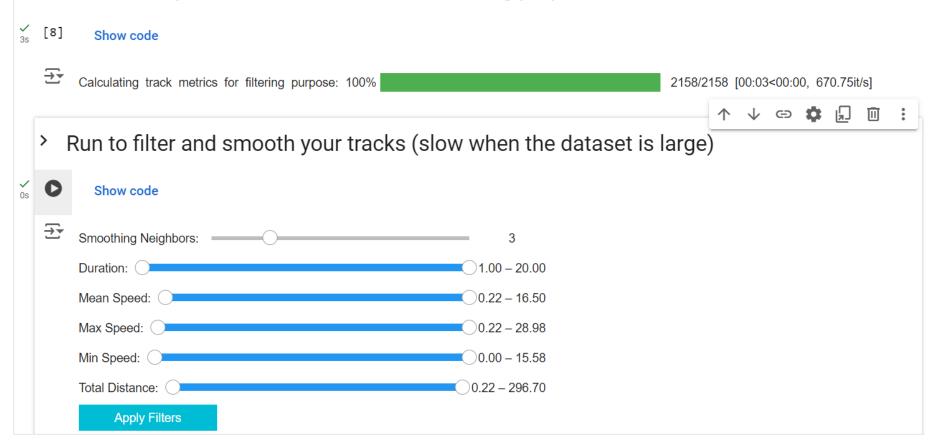
Visualize the data (Part 2)



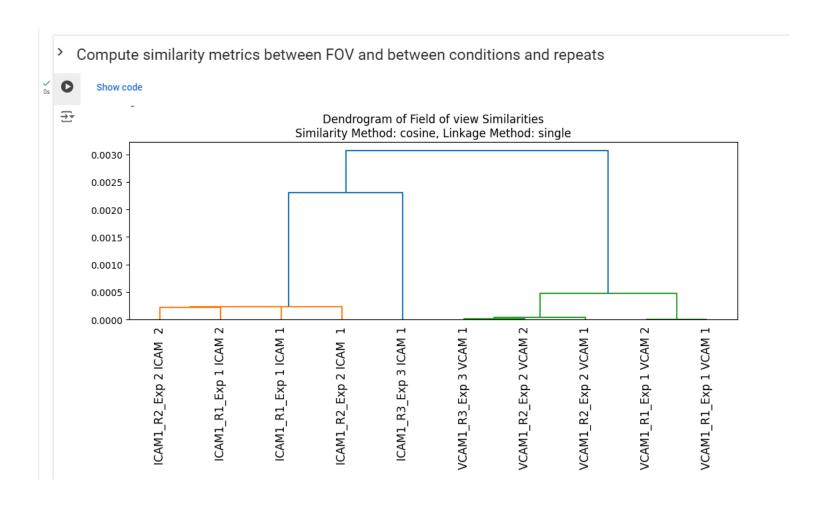


Filter the data (Part 3)

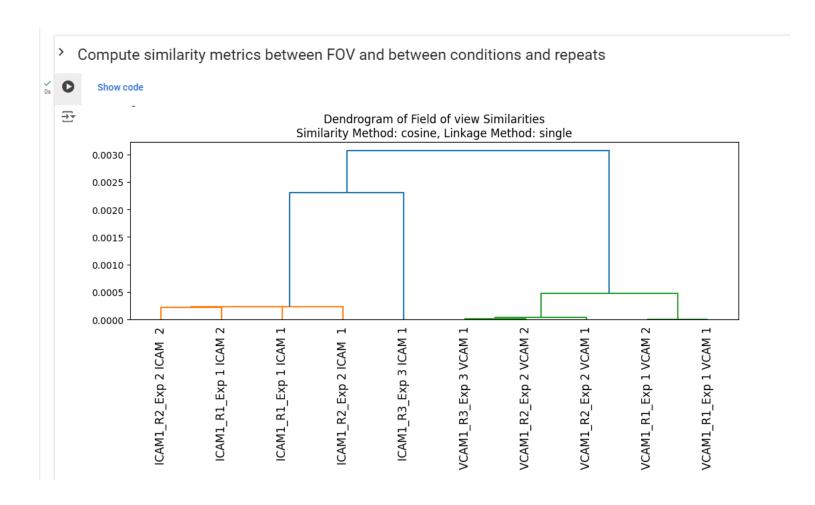
> Run to compute basic track metrics for filtering purpose



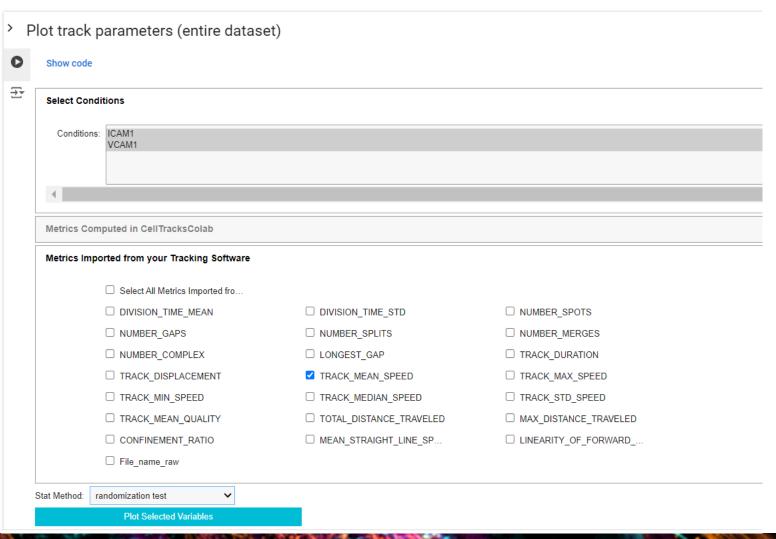
Quality control (Part 5)



Quality control (Part 5)

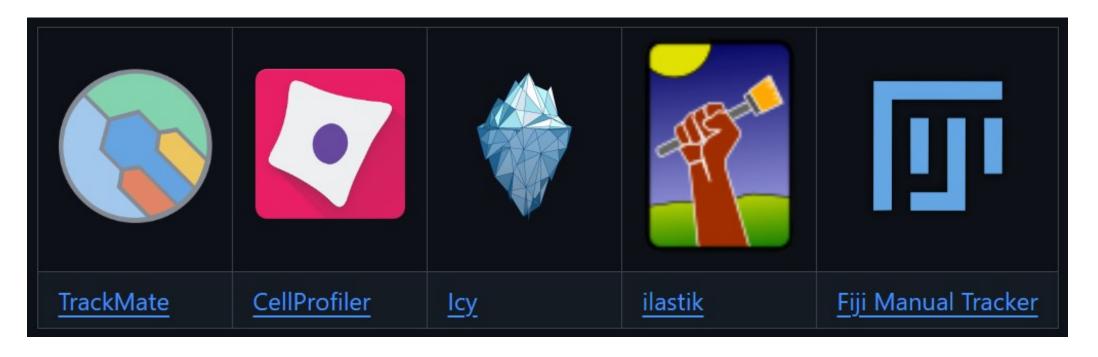


Plot your data (Part 6)



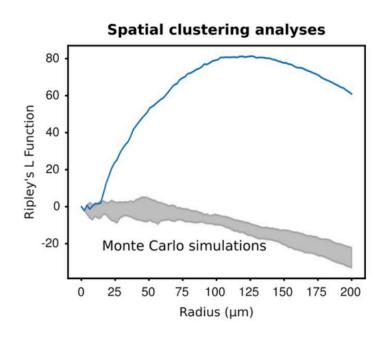
Additional features

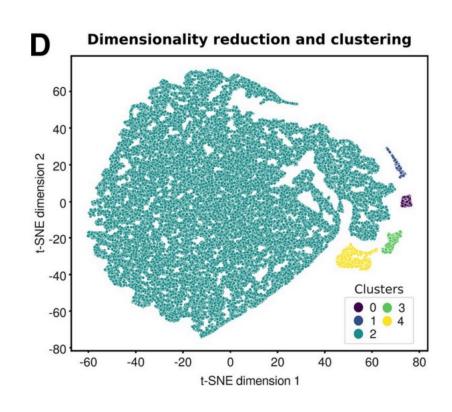
Different data sources:

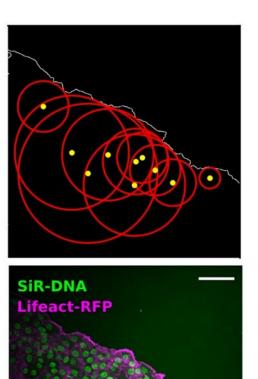


For more information: CellTracksColab Wiki

Additional features







For more information: CellTracksColab Wiki

Break time

