Method Spotlight: Tracking Objects in Images

Report of Contributions

Contribution ID: **1** Type: **not specified**

Tracking Objects in Images

Thursday 23 September 2021 14:00 (45 minutes)

Cell tracking is a task we do frequently in the life sciences, e.g. to understand how organisms form. A commonly used software for this task is TrackMate. TrackMate makes cell tracking easily accessible to end users without the need to program custom scripts or anything. It allows quantitative analysis of tracked cells over time and fine tuning of tracking results based on that quantitative analysis. The 2021 update of TrackMate brings new features the community was waiting for: Cell size and shape can be analysed in the new version, segmentation overlap based linking is available and it also supports a variety of deep learning based algorithms for cell segmentation published in the recent years. We will dive into tracking basic and how to use TrackMate. Afterwards, we will explore the capabilities of the recently published update.

Contribution ID: **2** Type: **not specified**

Q & A

Thursday 23 September 2021 14:45 (15 minutes)

Contribution ID: **3** Type: **not specified**

Block 1

Thursday 23 September 2021 15:00 (30 minutes)

Session Classification: Booked Participants only

Contribution ID: **4** Type: **not specified**

Block 2

Thursday 23 September 2021 15:30 (30 minutes)

Session Classification: Booked Participants only

Contribution ID: **5** Type: **not specified**

Block 3

Thursday 23 September 2021 16:00 (30 minutes)

Session Classification: Booked Participants only

Contribution ID: **6** Type: **not specified**

Block 4

Thursday 23 September 2021 16:30 (30 minutes)

Session Classification: Booked Participants only