TRex 26/01/2023

<https://github.com/mooch443/trex>

<https://trex.run/docs/install.html>

<https://elifesciences.org/articles/64000>

Walter, T., & Couzin, I. D. (2021). TRex, a fast multi-animal tracking system with markerless identification, and 2D estimation of posture and visual fields. Elife, 10, e64000.

Aim: use TRex to track lamprey larvae in behaviour place preference test

Code:

# activate the TRex environment

* conda activate tracking
* trex

# use interface to convert video to pv

# set individuals to 1

* trex -i /path/to/video.pv -track\_max\_individuals 1

Issues:

* not picking up lamprey
* need to fine-tune settings to reduce background noise
* frames per second an issue?
* Want to use the graphical interface to set parameters but currently not even picking up lamprey as fish 0 <https://trex.run/docs/gui.html>

Meet with Thiago on Wednesday 1st to re-run together and sort out noise issues.