

Linder Louis - Physics - master program, 2023-2024, Master Project autumn - Master project in Physics

<b>Administrative note</b>	
<b>Title</b>	Simplifying a 3D protist trajectory tracker
<b>Summary</b>	Simplify the device presented in the paper Drescher, K., Leptos, K. C., & Goldstein, R. E. (2009). How to track protists in three dimensions. Review of scientific instruments, 80(1). Two cameras film the trajectories of microorganisms swimming in a temperature controlled chamber. Then their 3D trajectories are reconstructed using computer vision.
<b>Keywords</b>	3D trajectory protists microscope
The teacher entered in the first position is responsible for the project	
<b>Master Project supervisor</b>	Ramirez-San-Juan Guillermina Rochelle
<b>Assistant(s)</b>	
<b>School / business</b>	
<b>Place of the Master Project</b>	EPFL
<b>Start</b>	18.09.2023
<b>Handing-in date</b>	19.01.2024
<b>Exam date</b>	
<b>Time (hh:mm)</b>	
<b>Room</b>	
<b>External expert</b>	

*Guille Ruiz*