**2017/08/28**

**Script: Mark activity each mouse.**

**For running the script please follow the numbers.**

-**Objective of the Script:** Read the locomotion parameters of a given mouse which is selected and a given period.

The selected locomotion parameters are marked in the video in order to do validation of these parameters. Then a new video is created that together with the excel file should help for validation.

-**Input data: -** The locomotion excel file for a given period of time which includes a sheet for each mouse. This file was produced in ‘Get locomotion parameters’ ‘Get locomotion parameters with RFID information’. **(2)**

- The movie related with that period of time. **(1)**

- Load the file miceID which includes a sheet with the actual coordinates of the arena. **(7)**

- The folder for saving the final movie. **(6)**

- You can select the number of frames for each movie (It is better less than 20000 frames- ~10 min). **(5)**

- Select the mouse to be considered for marking the locomotion parameters. **(3)**

-Select the locomotion parameters to draw. **(4)**

**-Output data:**

A movie with the considered mouse which is marking according to the choose locomotion parameters.