The aim is to quantify the direction ( speed) and switching of a large number of tethered cells – perhaps ~100s in a single FOV.

*Italics* for things that are already written in current programmes

1. Find spinners, identify *corresponding ROIs*
   1. *By hand, as currently* OR
   2. Semi- Automatically
      1. *Grab a short video to memory*
      2. *Absolute difference between adjacent frames = movement only*
      3. MAX projection of ii – this should show bright circles indicating the length of all spinning cells
      4. Select by hand as currently from MAX projection
   3. Fully automatically
      1. Find spots in b.iii and assign ROI’s from them
2. Record full frames to memory
   1. Extract and save ROIs to separate AVI files
   2. Analyse on the fly – speed vs time ?