

# Monika log 22.11.19

## Accomplished this week

- Began practicing how to sync
- Determined ideal volume to seed 4mm lawns using new OP50 that arrived this week
- Took first videos using experimental protocol
- Began analyzing videos using Fiji

## Goals

- **Get AutoROI (Time Series Analyzer plugin) to work - for some reason there is no time integration, points are put onto the same slice so no interpolation can happen (?)**
- Set up synches on Monday, Tuesday and Wednesday for data collection Wednesday, Thursday and Friday - adjust recording settings and practice setting up plates for analysis
  - Also determine the ideal number of hours till adulthood - want somewhere between borderline adult (dark grey and small - takes about 46 hours) and laying of 1st eggs (eggs seen on plate)
  - **MAKE SURE ALL ADULTS ARE TAKEN AWAY AND NO EGGS ARE TRANSFERRED!!**
- Make a GitHub account and send details to Monika so she can share Anaconda/Python analysis with me
- By mid-next week should be able to tell whether Fiji can help me determine when a pump happens (judge differences in intensities or other parameters)
- Z-stack projection - increase spacing a little (e.g. 11 or 12 instead of increment of 10) and crop individual worms (want just before the lawn is reached and a little bit afterwards) - would make a nice preliminary figure as proof of principle that slowing down does happen once they reach the lawn
  - Mark the outline of the lawn as well - either with a red line or by overlaying the picture of the lawn taken before recording took place

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