How to Run Batch Aqua:

1. Pre-Aqua Steps
   1. Choose Cell that will be run into different batches (Use filePop.m in preaqua folder)
      1. Makes copies of the cell into multiple copies in same folder
   2. Check the Parameters\_for\_batch.csv (in cfg folder)
      1. This file contains input parameter settings for each copy of the cell
      2. Number of columns in parameter excel must be the same as copies of cell made in folder
      3. Check that landmarks are in the folder
2. Aqua Analysis
   1. Open Batch\_of\_Batches.m
      1. Two main inputs to change lines 15 and 19
         1. paths = path of the folder where copies of cells are
         2. boundary = name of the files of the cell boundary and Landmark
3. Post Aqua
   1. TrialSelector.m in Comparison folder in PostAqua folder is the pipeline. Chose as many AQuA output mat files as necessary for your study (Ensure you are connected to VPN and have X Drive with Aqua landmarks for data analysis)
      1. Comp : Uses Event\_comp.m to compare the parameters used in each AQuA trial and gives histogram of event distribution
      2. HotSpot: Uses hotSpotAll and hotspotMove in order to create the figures of the hot spots in the cell
      3. Plot Event Raster: plots multiple figures that analyzes event wise and stimulus wise data such as size, orientation, distributions and more