

# Waveclus pipeline

1. Fill in Electrode depth file
2. Create waveclus pre-clustering files (implemented in phys\_gui\_working)
3. Run waveclus and sort for all channels, don't forget to save (wave\_clus3new3, MATLAB 2014+)
  - Preferentially separate spike shapes in difficult cases
4. Create plxfiles from WC (implemented in phys\_gui\_working)
5. Check and clean PLX file AND TAKE NOTES (single/SNR/stability rating)
6. Create combined (phys+behavior) files (implemented in phys\_gui\_working)
7. Plot single unit tuning assuming cells are unique in every block (implemented in phys\_gui\_working)
  - Optional, this is meant to help assessing if two "units" in the same block are actually the same
8. Assess which units are the same within and across blocks (based on channel, electrode depths, spike shapes and potentially tuning, carefully check notes for this)
9. Re-sort PLX file (combining same cells sort codes of same block same channel)
  - Optional for cases where it was not clear if the "units" are the same
10. Fill in Same cells file
11. Automatically create Excel sorting table
12. Complete Excel sorting table information with notes

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Last update: **2022/12/29 07:15**

