## Crabsort

Spike-sorting for small circuit networks

Alec Hoyland Cosmo Guerini

Center for Systems Neuroscience

June 25, 2019

## Spike-sorting primer

Spike-sorting is the process of mapping action potentials to the originating cell.

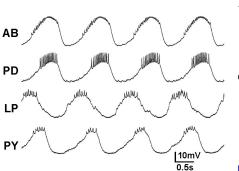


Figure: Intracellular recordings of pyloric cells.

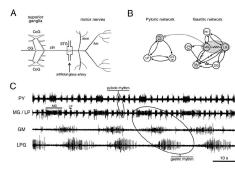


Figure: A circuit diagram of nerves; B connectivity diagram, circles are cells, synapses are lines and dots; C extracellular recording of motor nerves.