Using spike-triggered averaging to calculate the mean synaptic strength from two pairs of bilateral HN interneurons (CPG) to three pairs of bilateral HE motor neurons (HE(8), HE(10), HE(12) using 10 bursts (rationale described in Methods of Wright et al., 2011; Norris et al. 2011).

**Code by: Anca Doloc-Mihu (adolocm at emory.edu)**

Data&Code in *CPGtoMotorPattern\_synaptics*

The folder contains the data for 16 experiments. Each has its own subfolder, identified by the experimental date) with the raw data (recordings) of the two pairs of heart interneurons and from one, two, or three bilateral pairs of heart motor neurons. A separate folder has the Matlab code to analyze these data.

**HN4toHE08\_Sept23B\_Left.atf**: Exp Date (Sept 23; **all data are from 2008**) synaptic strength between the HN(4) interneuron to the HE(8) motor neuron on the left side (Left). An experiment where all HE motor neurons were successfully voltage-clamped generates 12 \*atf data files.