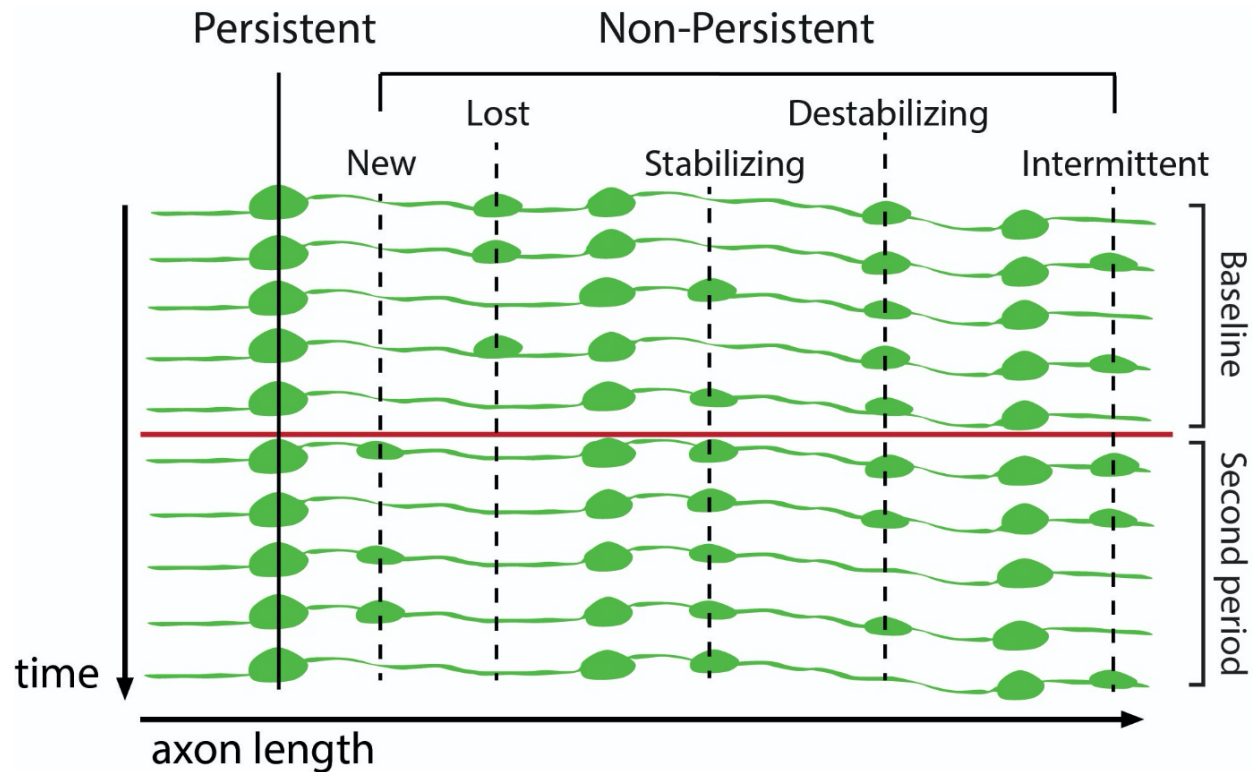


# Supplementary Material

## Amyloid- $\beta$ Oligomers Induce Only Mild Changes to Inhibitory Bouton Dynamics



**Supplementary Figure 1.** Subgroups of non-persistent boutons. Boutons are divided in persistent boutons, which are present during the entire imaging period, and non-persistent boutons, which are present only in a subset of time points. Non-persistent boutons are further classified into 5 subgroups, based on their dynamics in the baseline (first 5 time points) and the second imaging period (remaining time points). New boutons are only present in the second period, but not during baseline. Lost boutons are present during baseline and no longer in the second period. Stabilizing boutons are non-persistent during baseline and persistent in the second period. Destabilizing boutons are persistent during baseline and non-persistent in the second period. Intermittent boutons are non-persistent during the entire imaging period.