**Table S1.** Structure of model cells

|  |  |  |
| --- | --- | --- |
|  | **Length (μm)** | **Diameter (μm)** |
| **Pyramidal cell** | | |
| Soma | 75 | 10.14 |
| Basal dendrite | 150 | 1 |
| Proximal apical dendrite | 400 | 3.4 |
| Distal apical dendrite | 400 | 2.6 |
| Axon | 113.22 | 1.1 |
| **Inhibitory interneuron** | | |
| Soma | 53 | 42 |
| Axon | 113.22 | 0.7 |