

Supplementary Materials

Impact of Magnetite Nanowires on In Vitro Hippocampal Neural Networks

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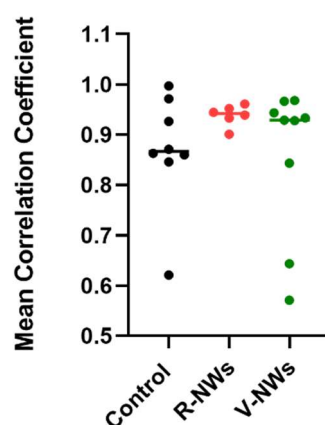


Figure S1. Synchronization analysis. Mean correlation coefficient of calcium transients in cultured neurons in a control (n=8 samples), R-NWs (n=5 samples), and V-NWs (n=6 samples) substrate.

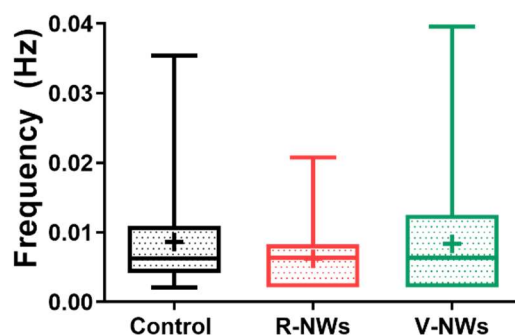


Figure S2. Box plot frequency for TTX in control (n=172 cells, 7 samples), R-NWs (118 cells, 4 samples) and V-NWs substrates (n = 73, 4 samples).