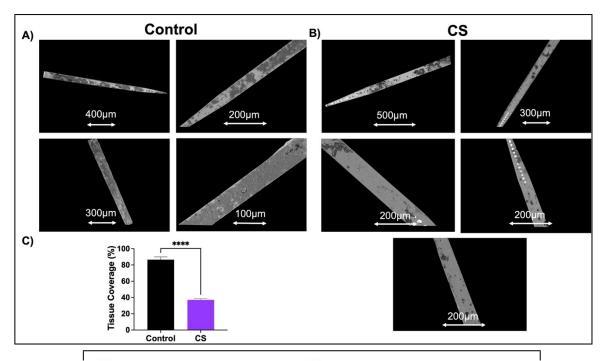
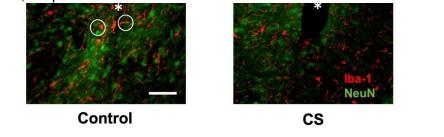
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1. Supplementary Figures



Supplementary Figure 1: Scanning electron microscopy images of explanted probes implanted for 1-week showing the tissue coverage in darker gray pixels on the probe surface. A) Uncoated control probes B) CS-coated probes. C) Quantified tissue coverage (% area covered) is reported for both groups, and significantly less area is covered by biological matter in explanted probes coated with CS as compared to the control group. Welch's T-Test, ****p<0.0001. Data is mean±SEM.



Supplementary Figure 2: Microglia engulfment of neurons shown by co-labeled neuronal nuclei (NeuN) in green and microglia (Iba-1) in red. White circles highlight neurons that coincide with microglia for approximately up to 50 microns away from the probe.