

Supplementary Materials

**Stretchable and Transparent Metal Nanowire Microelectrodes for Simultaneous Electrophysiology and Optogenetics Applications**

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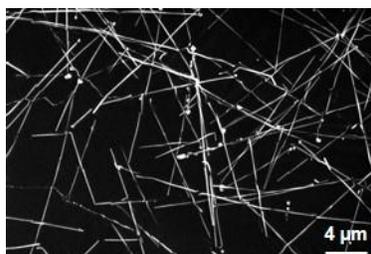


Figure S1. SEM image of the Ag NW structures at 10 mg/mL after 4500 stretching cycles at 40% strain.

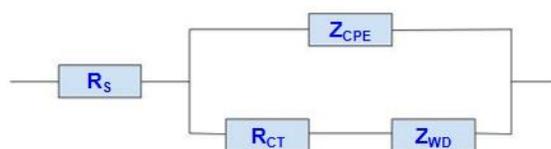


Figure S2. Equivalent circuit model with fitting parameters  $R_s$ ,  $R_{CT}$ ,  $Z_{WD}$ , and  $Z_{CPE}$ .