[Supplementary Information]

Thermo-plasmonic gold nanofilm for simple and mass-producible photothermal neural interfaces

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((The manuscript was written with contributions from all authors. All authors have given approval to the final version of the manuscript. ‡These authors contributed equally))

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Here, we provide supporting information including three figures that help understanding of the provided work in the manuscript.

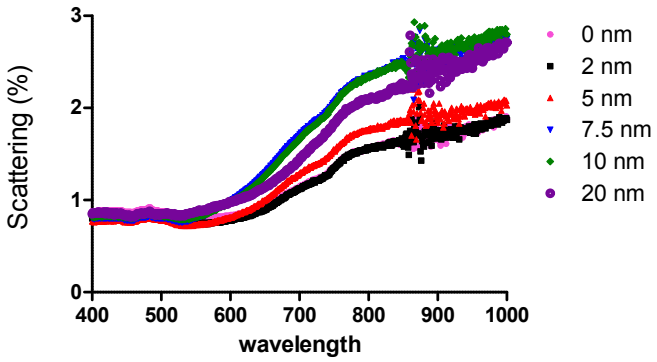

Figure S1. Scattering spectra of evaporated gold nanofilm samples.

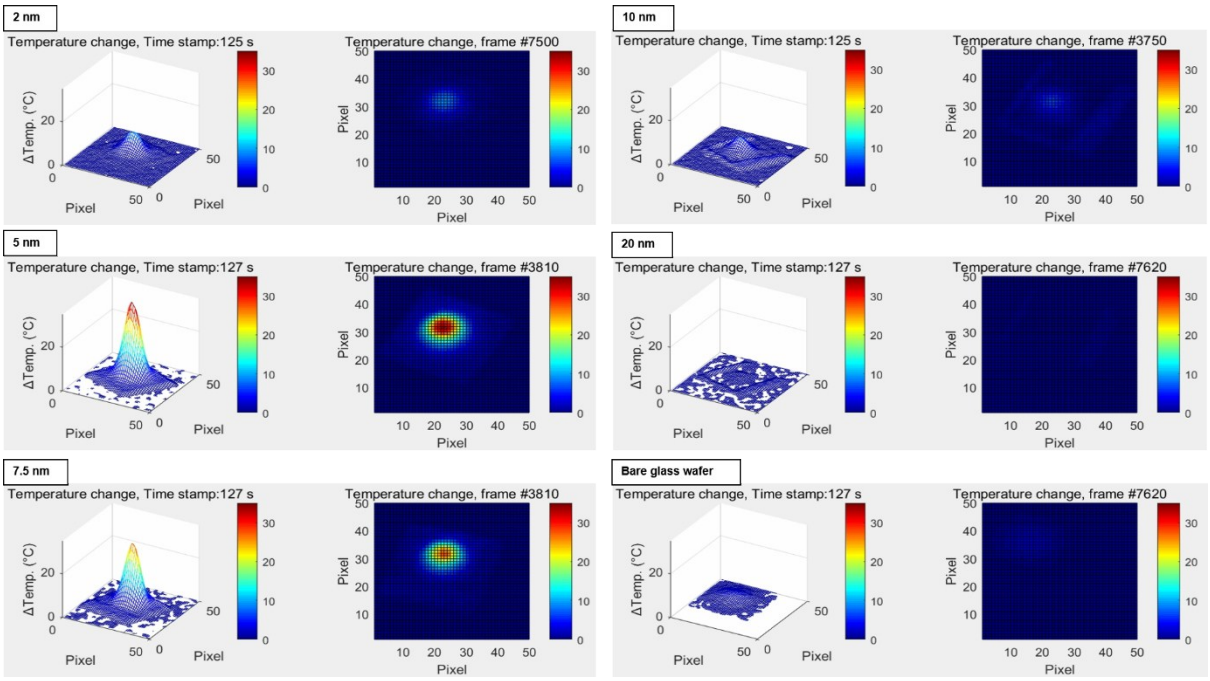

Figure S2. Maximum temperature change profile upon NIR light illumination. The data were taken approximately 60 seconds after the NIR light is turned on.

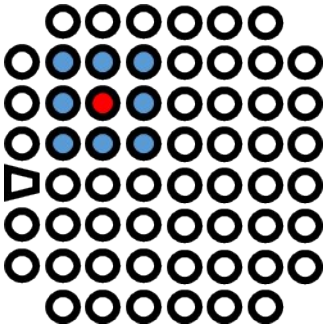

Figure S3. Scheme of electrode-to-electrode impedance. In dry condition, impedance of the eight neighboring electrodes (blue) with respect to the channel #33 (red) was measured.