

SUPPLEMENTARY INFORMATION

Chronic full-band recordings with graphene microtransistors as neural interfaces for discrimination of brain states

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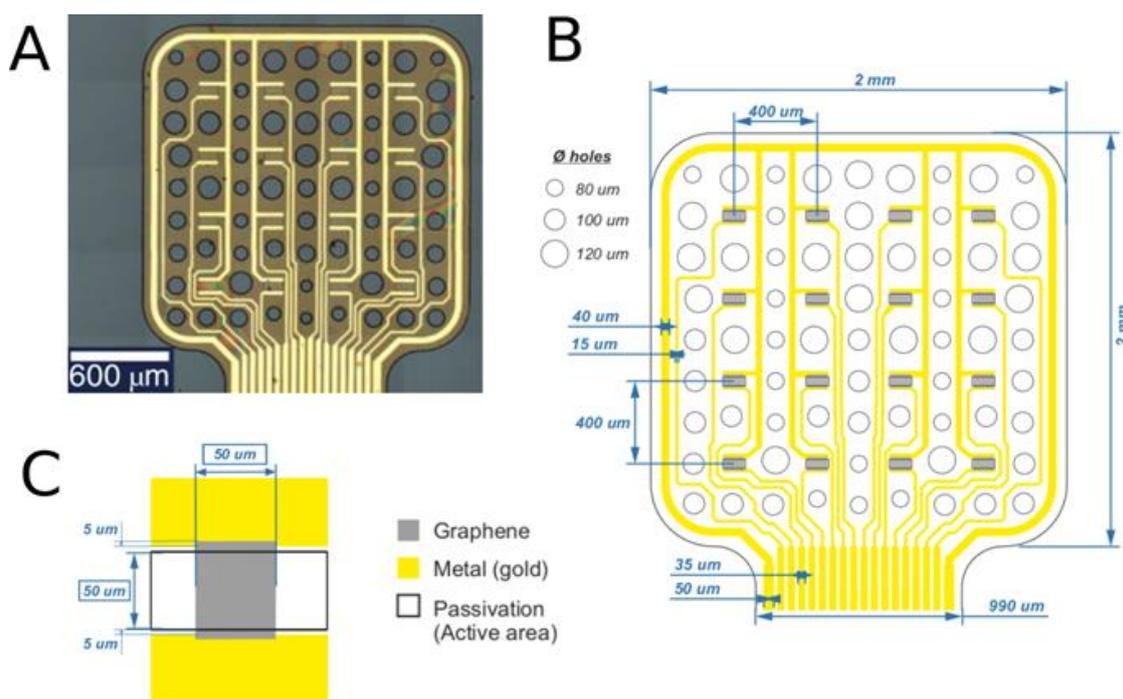


Figure S1. Probe with the gSGFET array. **A.** Optical microscope images of the active area of a 4×4 gSGFET. **B.** Schematic description of the 4×4 gSGFET array with annotated dimensions. **C.** Detail of the schematic description of single gSGFET device.

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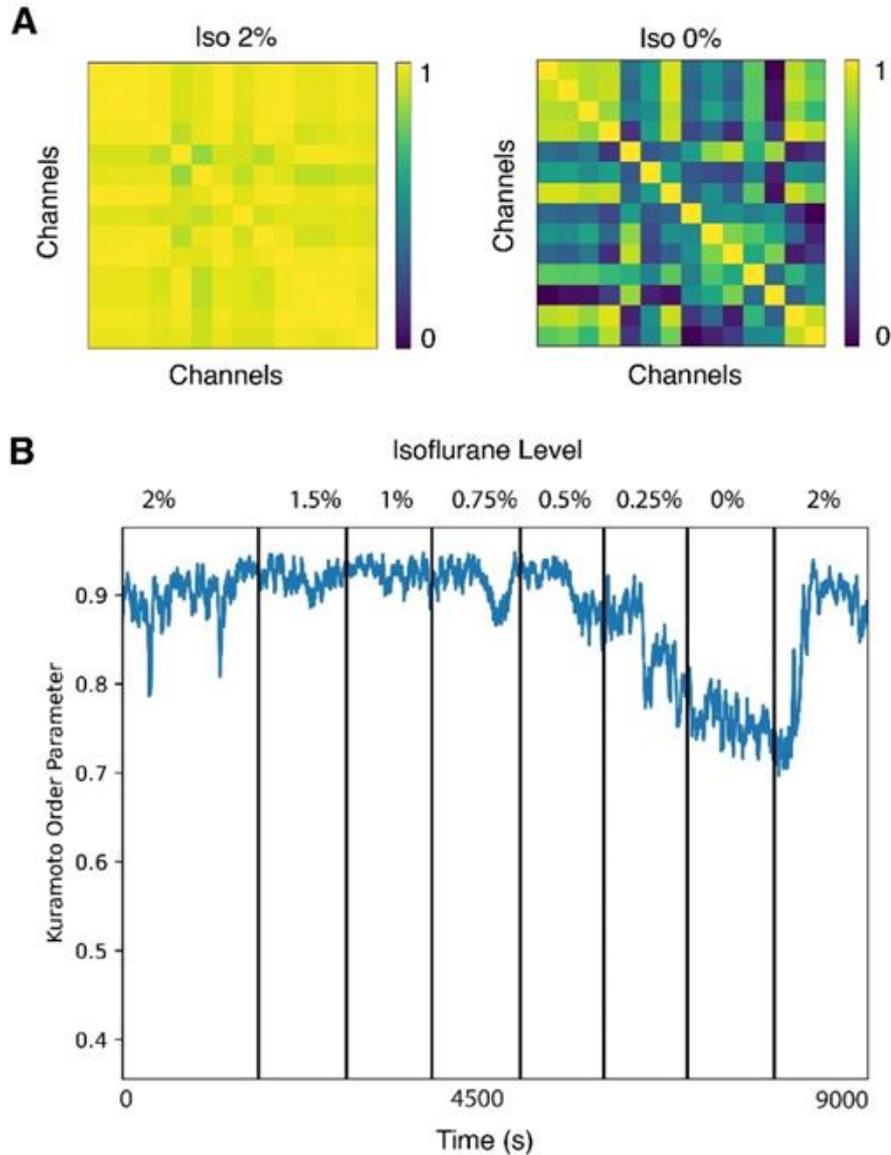


Figure S2. Changes in network synchronization with anesthesia levels. A. Correlation across channels under deep anesthesia (Iso 2%) and when anesthesia was turned off (Iso 0%). **B.** Time course of the Kuramoto Order Parameter as a measure of synchronization across channels over time. The figure shows high correlation and high synchronization under deep anesthesia, and a lower correlation and synchronization when anesthesia was turned off.

