Electronic Supplementary Information

Potentio-Tunable FET sensor having a redox-polarizable single electrode for the implementation of a wearable, continuous multianalyte monitoring device

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Figure S1. Key sensor fabrication steps illustration
**Figure S2.** In-vitro sensing and fluidic systems and BT-enabled wireless transducer for continuous monitoring.

**Figure S3.** Measured signal to noise ratio (SNR) for real-time and equilibrium sensing. **a**, Raw data presented in figure 6a was further used to extrapolate the, Dynamic Range and LOD Signals, as well as Overshoot Error and **b**, Typical Noise level, based on which the LOD SNR and dynamic ranges were quantified as the ratio of the highest measured output of the biosensor to the lowest measured output of the biosensor, correspondingly.