

Supplementary Materials

Optimization of planar interdigitated microelectrode array for enhanced sensor responses

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PART 1: ELECTRIC POTENTIAL, TEMPERATURE AND VELOCITY DISTRIBUTION

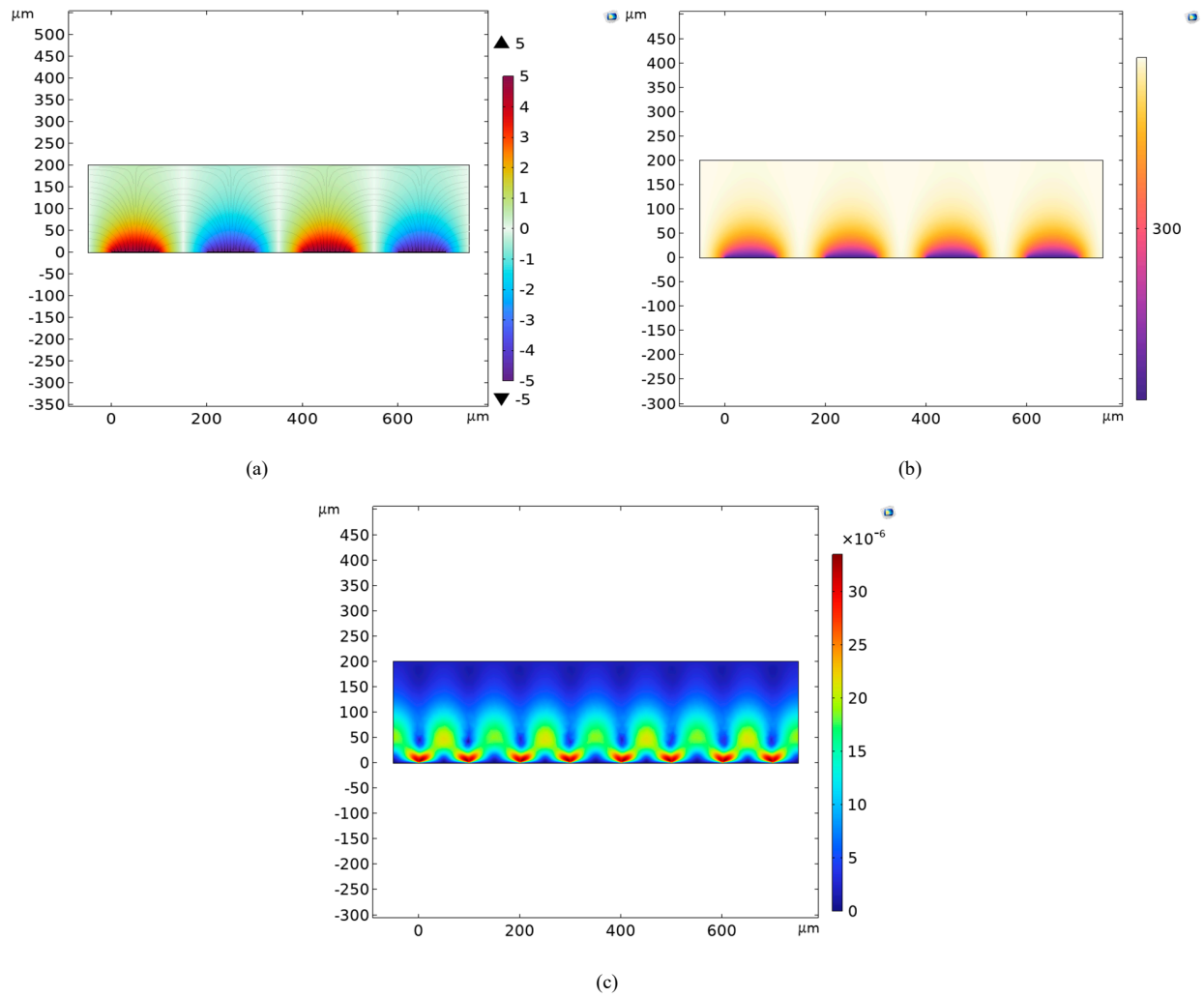


Figure S1. (a) Electric Potential Distribution, (b) Temperature Distribution, and (c) Velocity Distribution.

PART 2 SIMULATION VERIFICATION

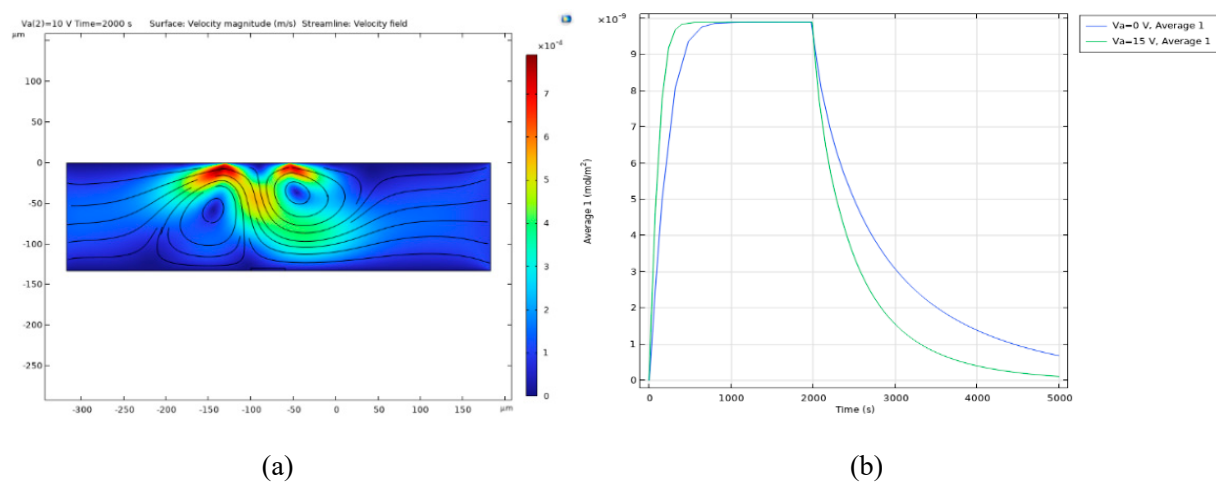


Figure S2: Replication of CRP binding reaction presented in figure 3(d) and 4(d) from "K.-R. Huang et al., "Simulation on binding efficiency of immunoassay for a biosensor with applying electrothermal effect."