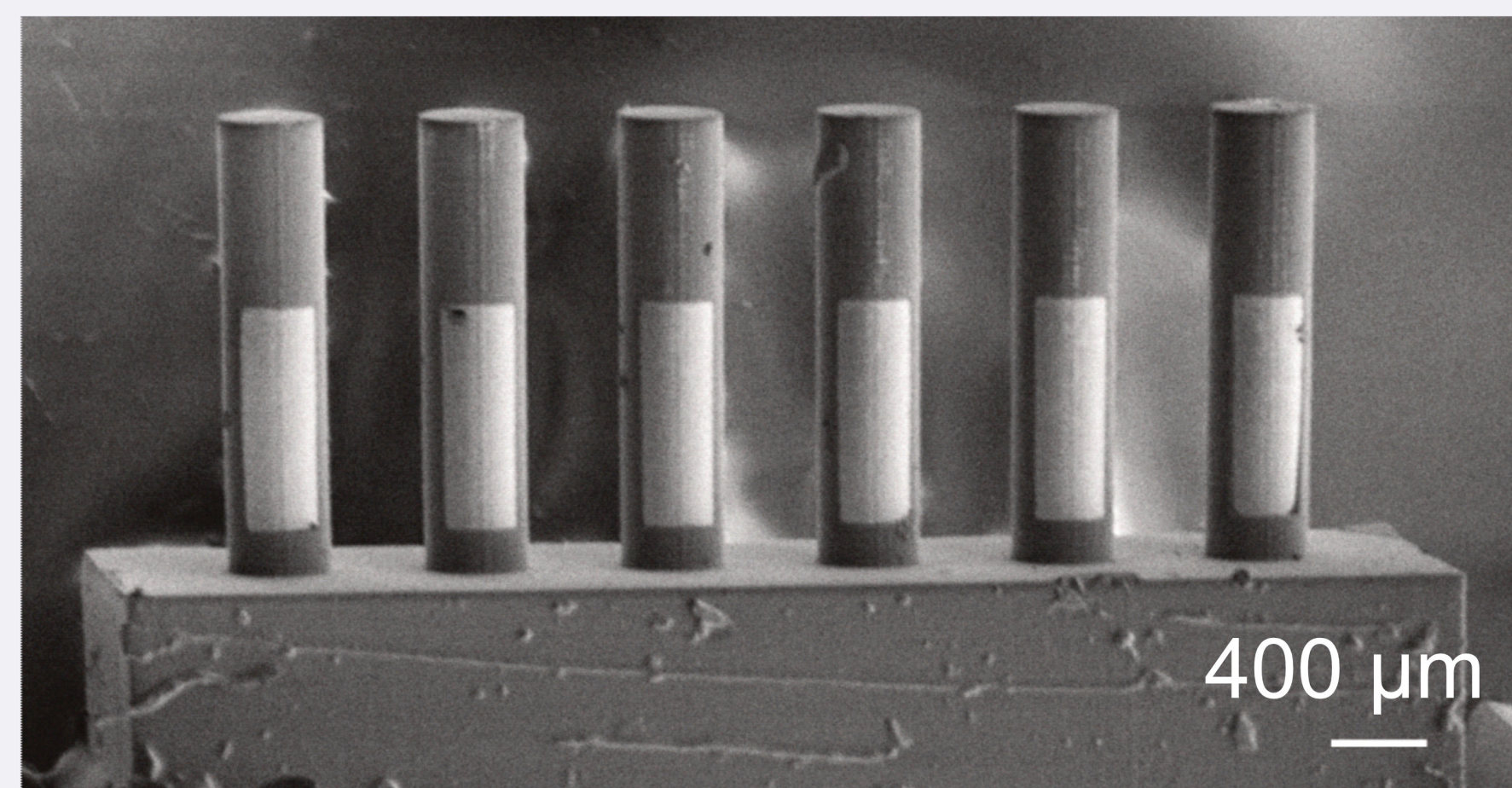
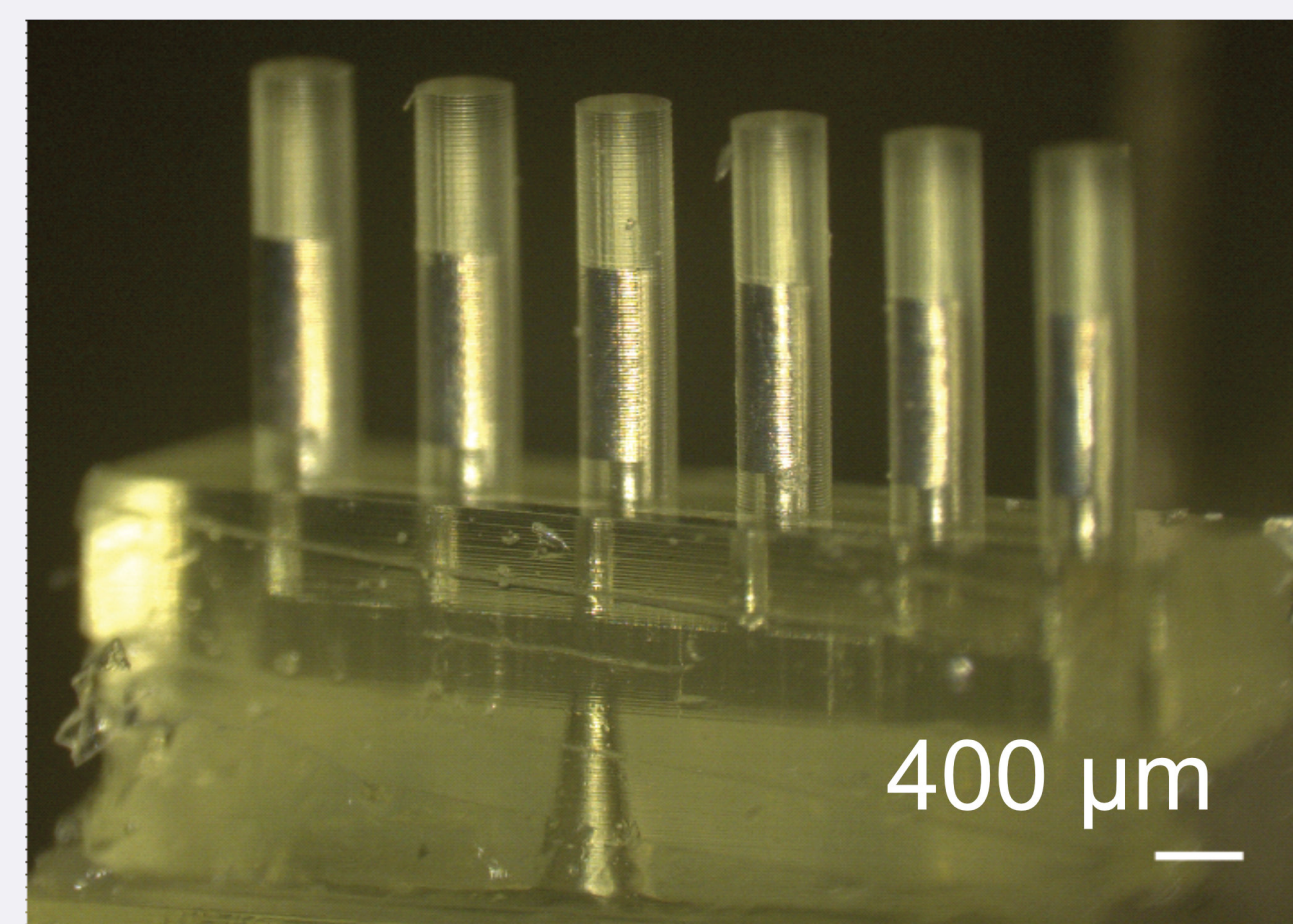
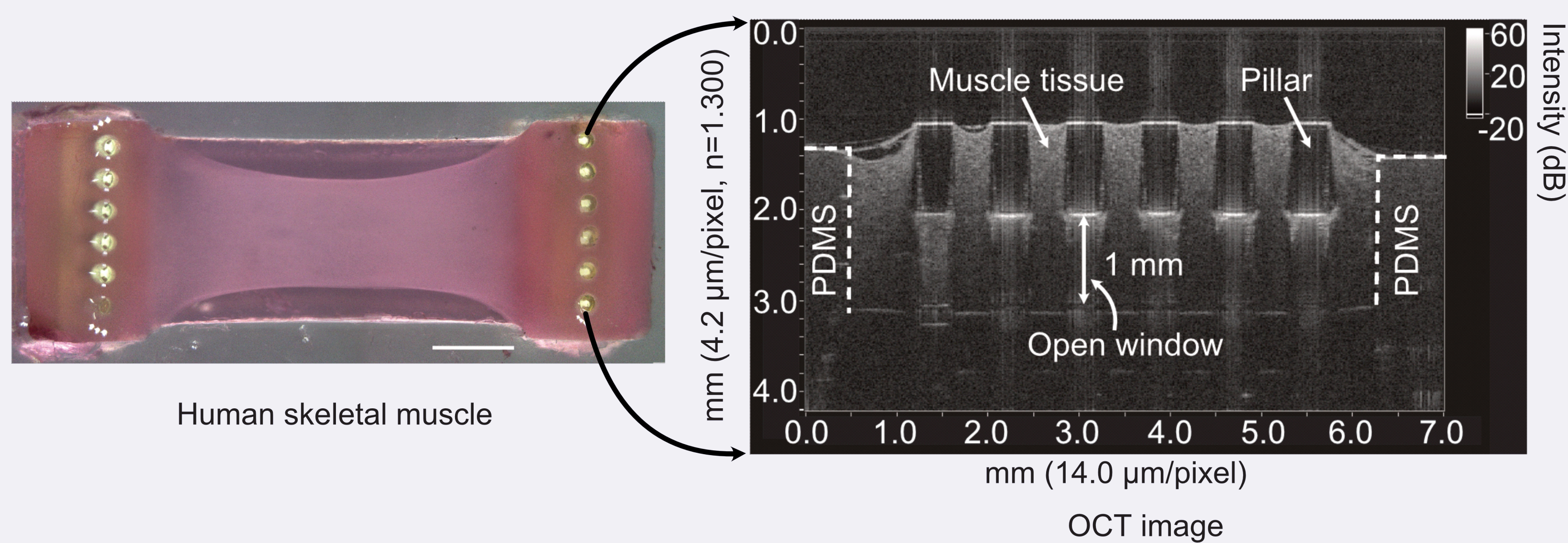


Bio-electronic interface

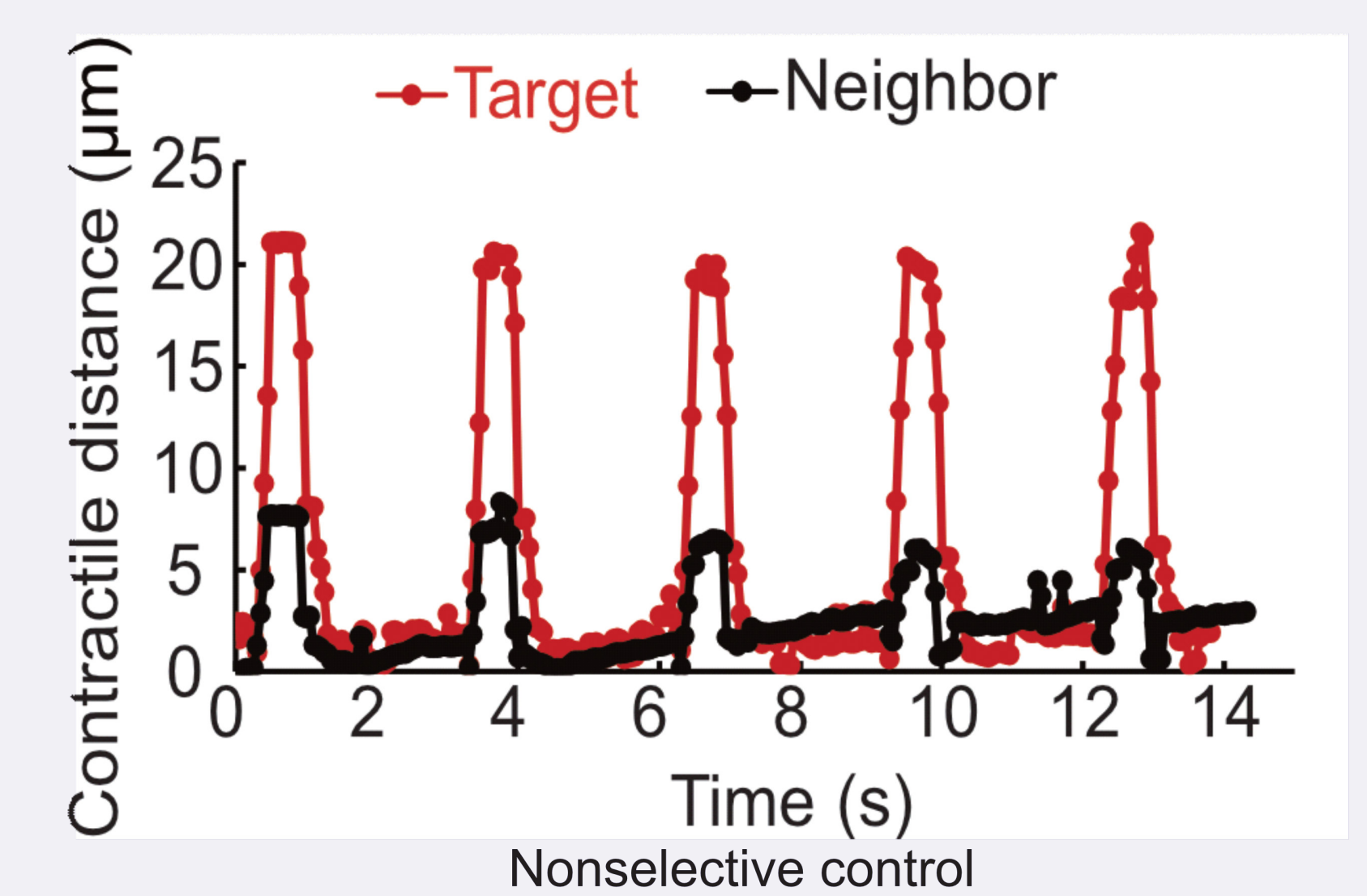
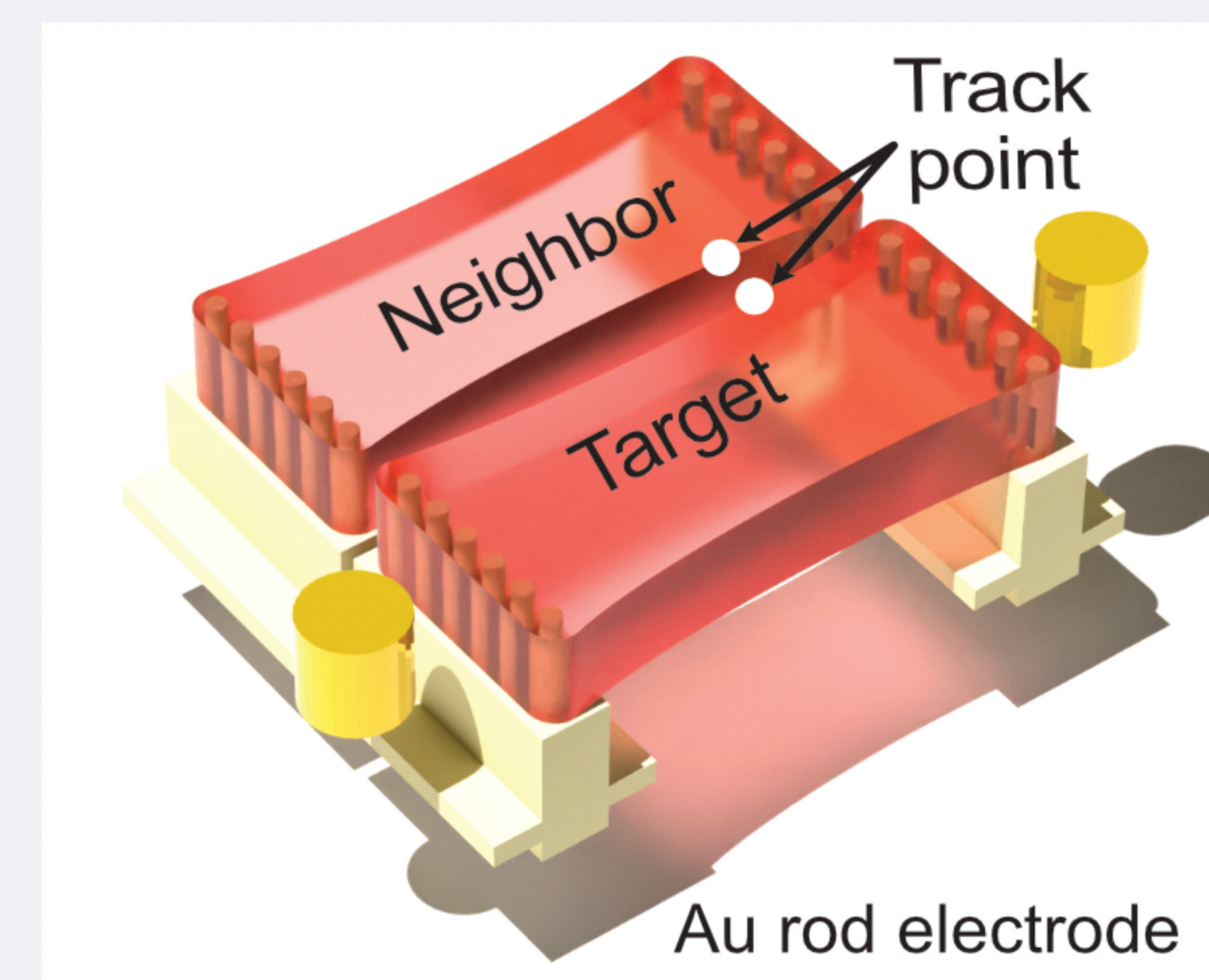
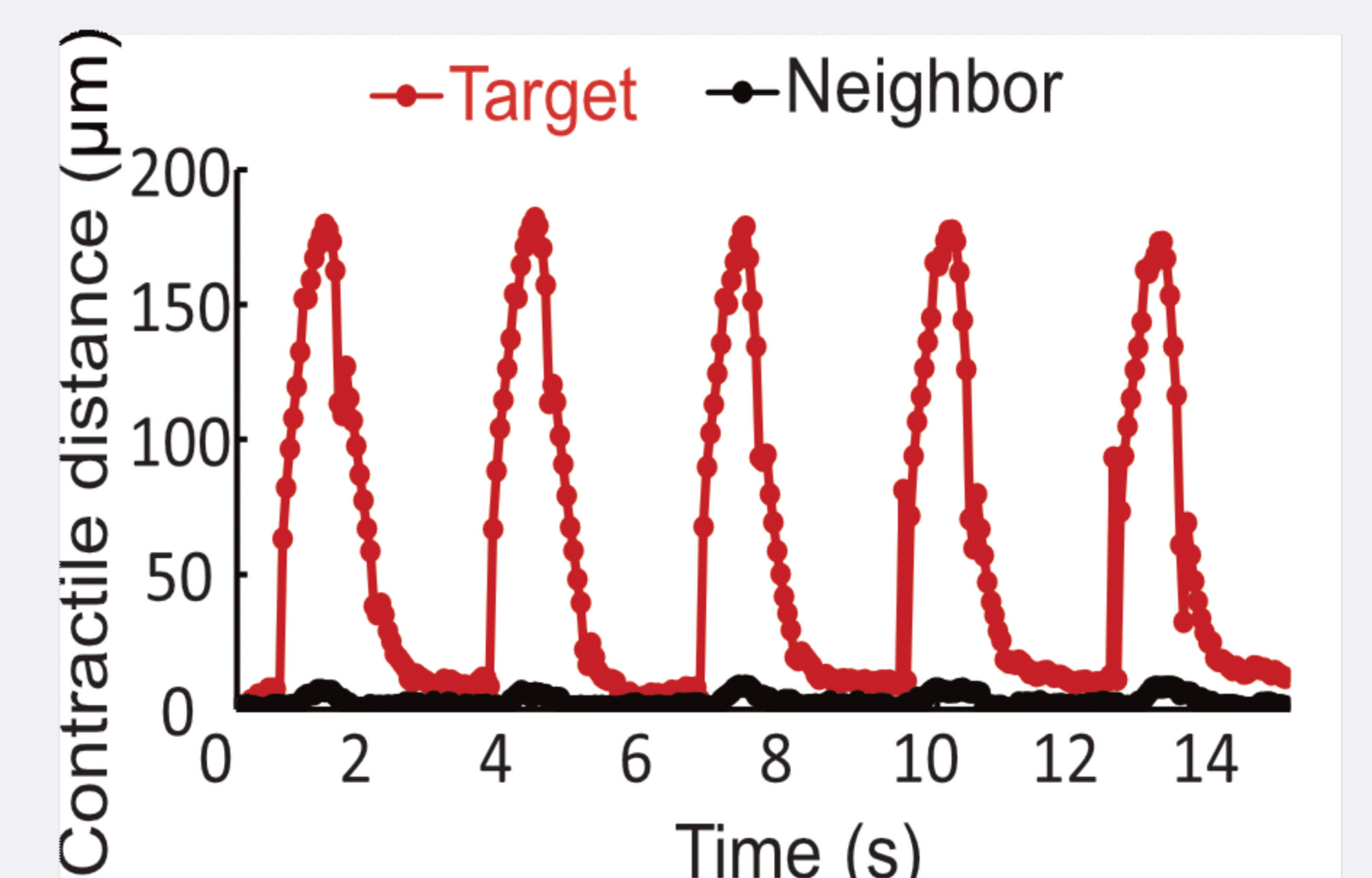
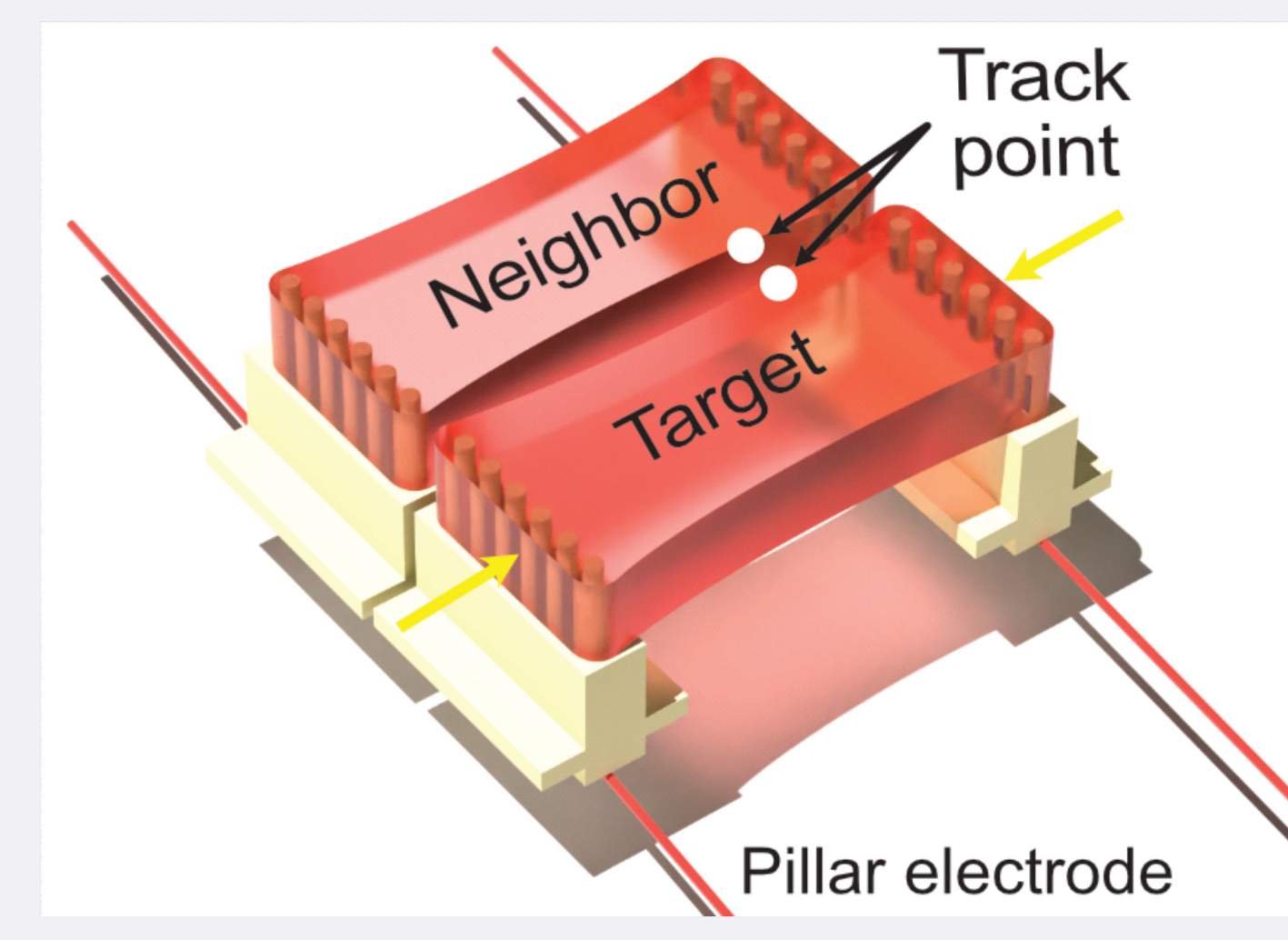
Microfabrication of microelectrode



Muscle-Microelectrode interface



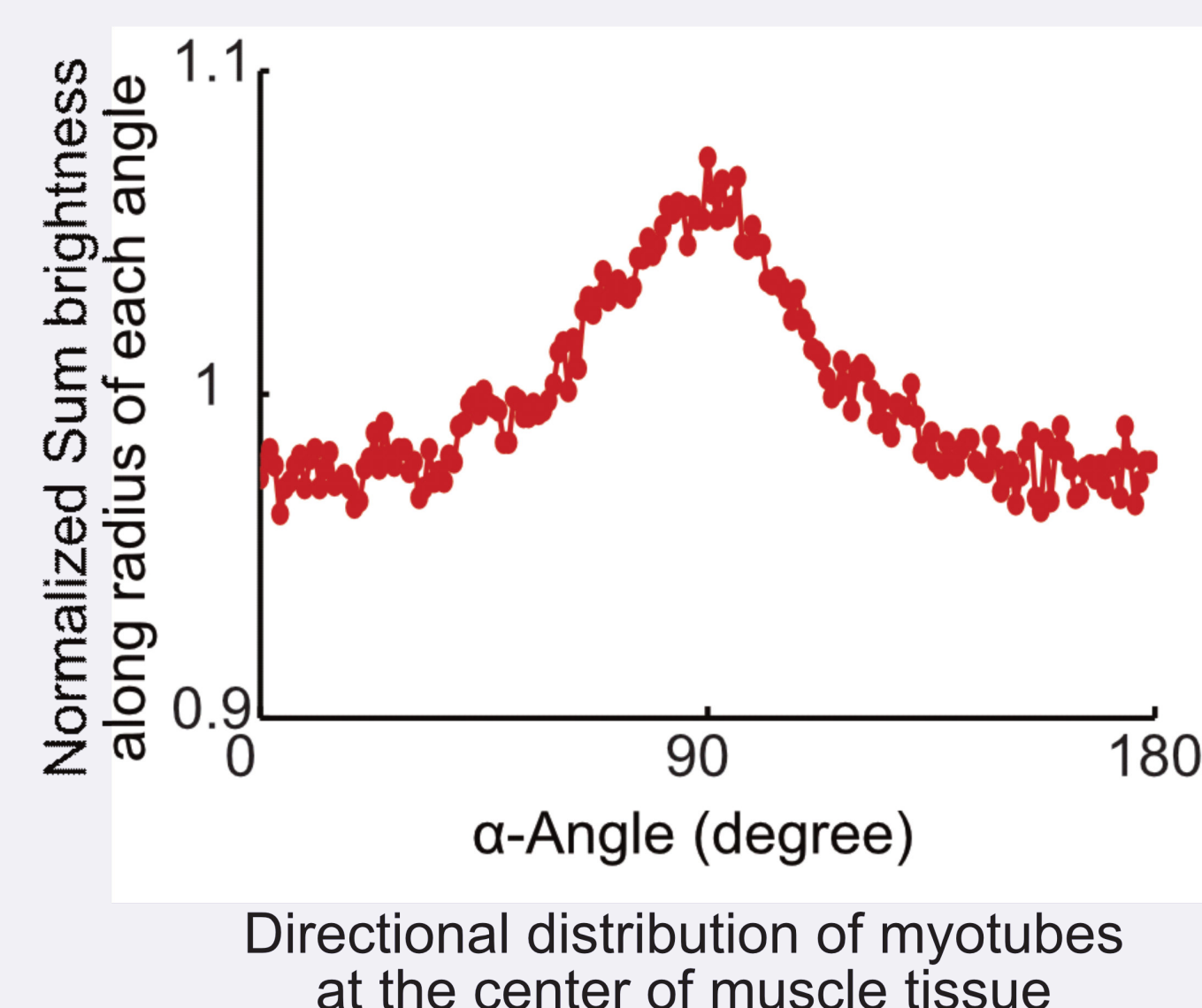
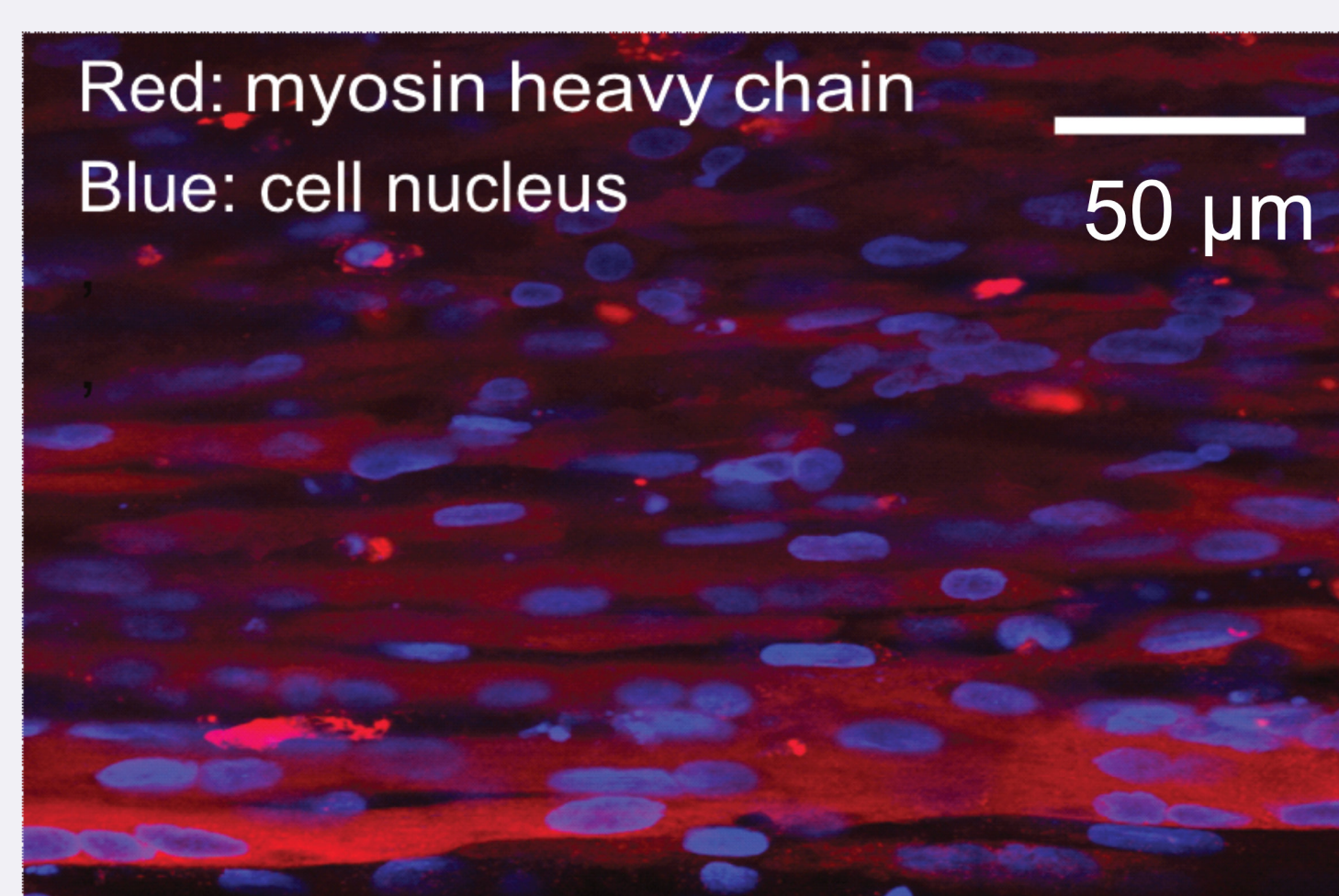
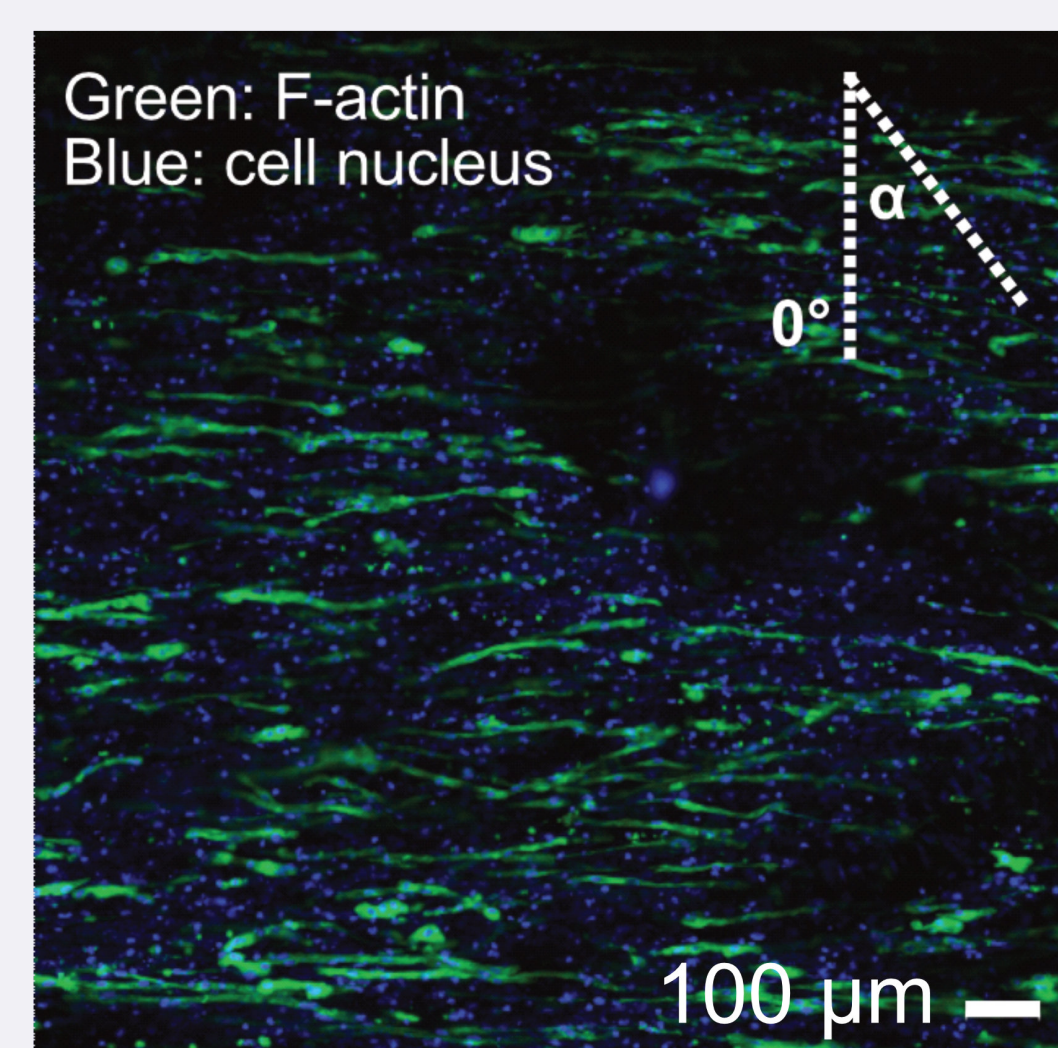
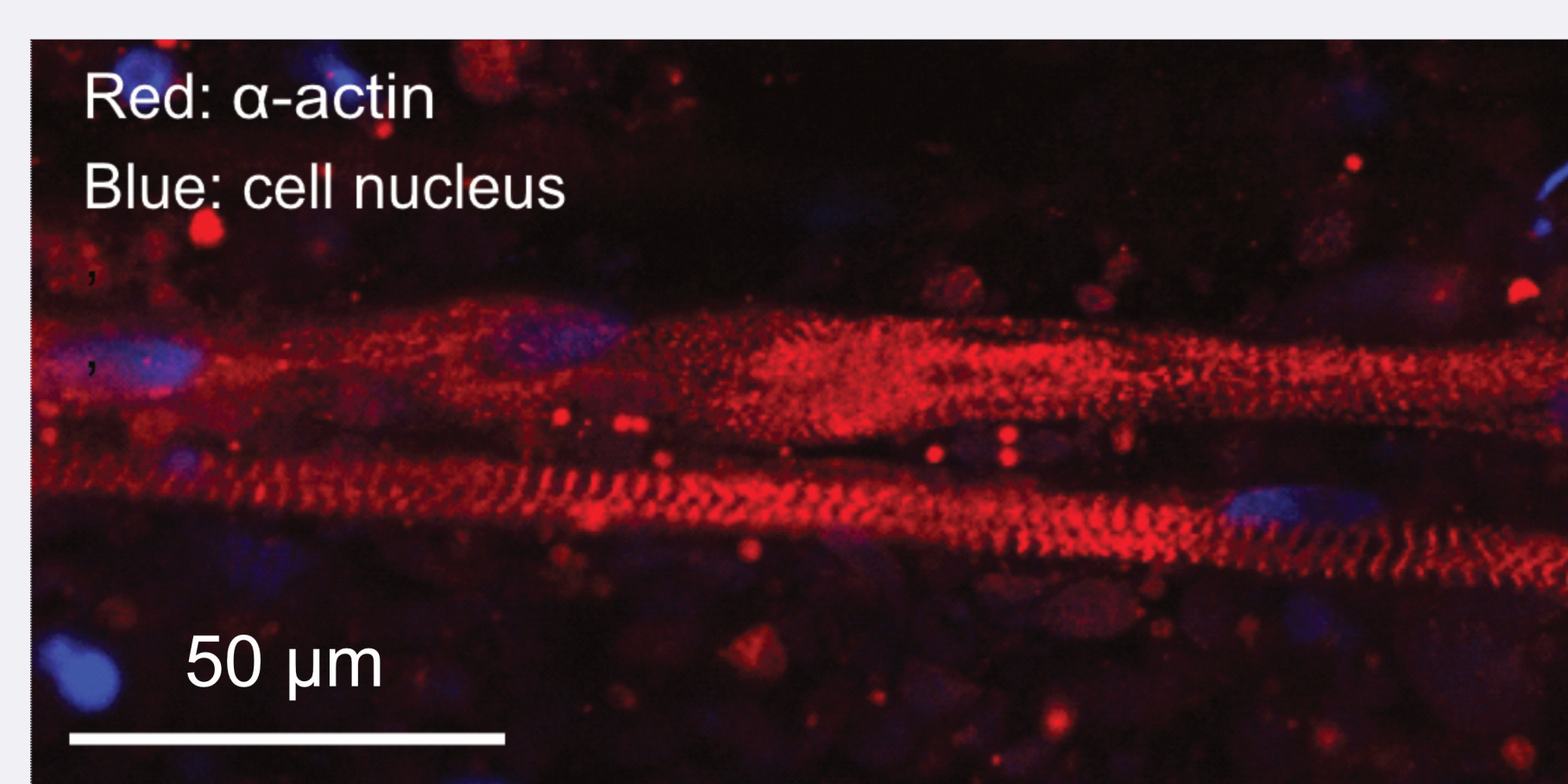
Selective control of multiple bio-actuators



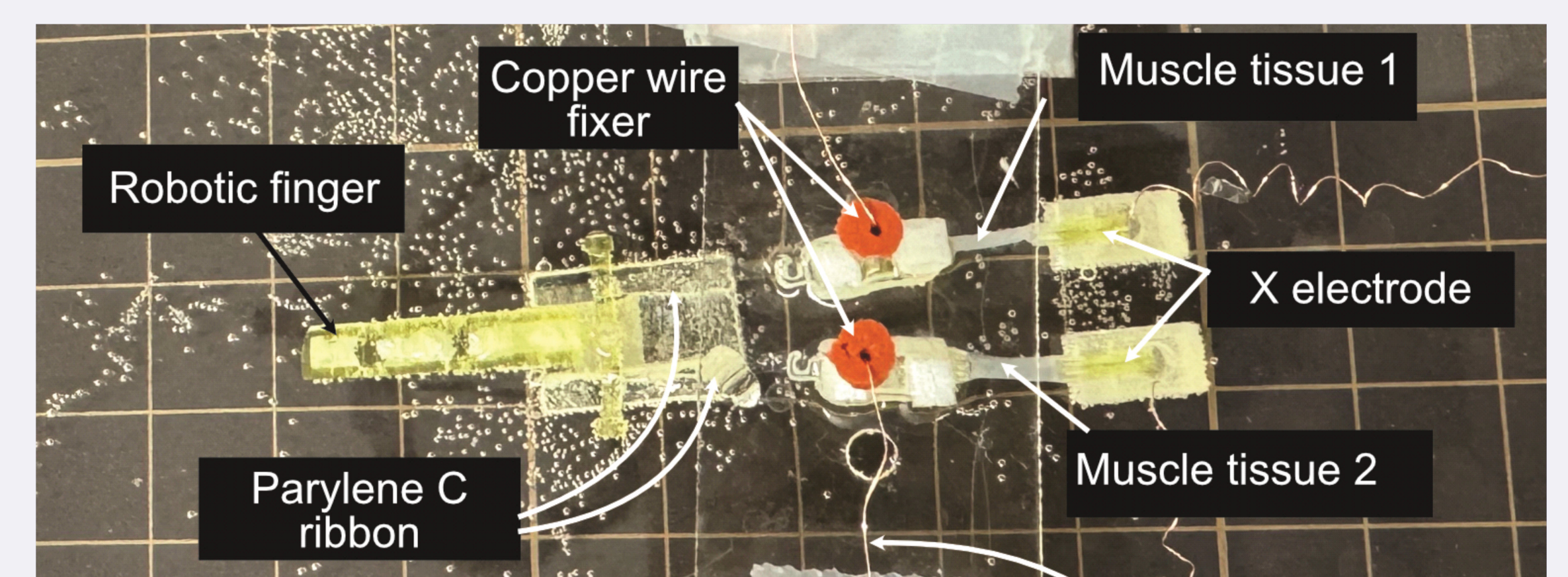
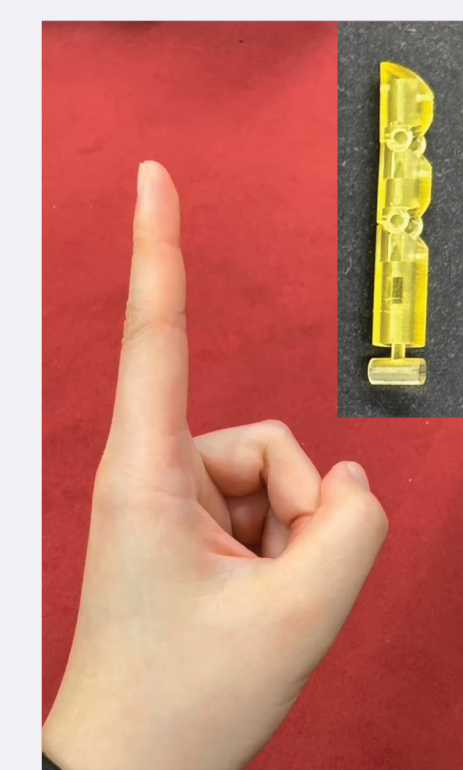
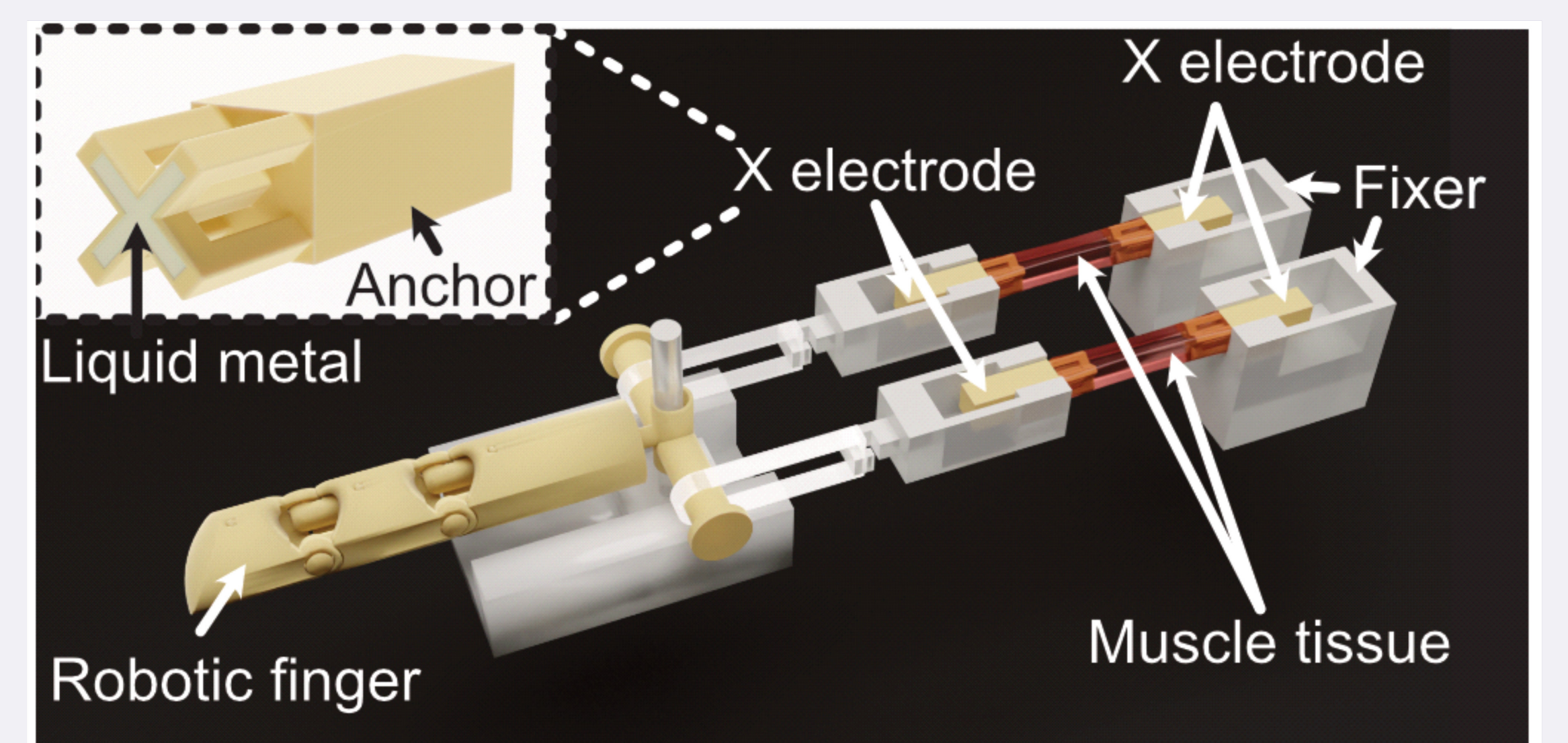
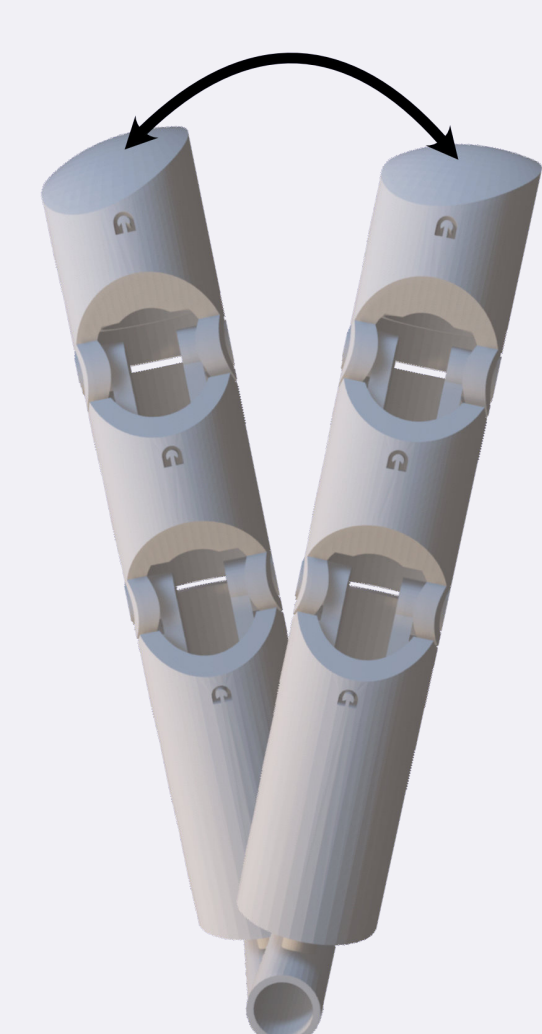
Tingyu Li et al 2024 *Biofabrication* 16 035022

Morphological characterization

Immunostaining

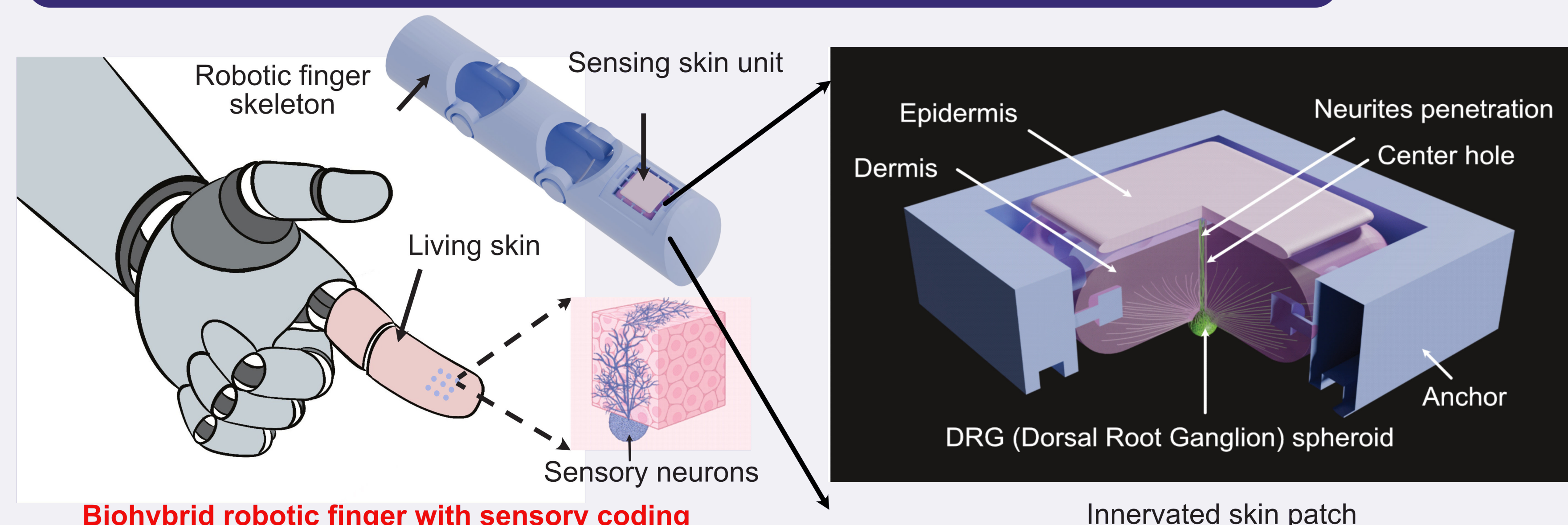


Dual directional movement of biohybrid robotic finger

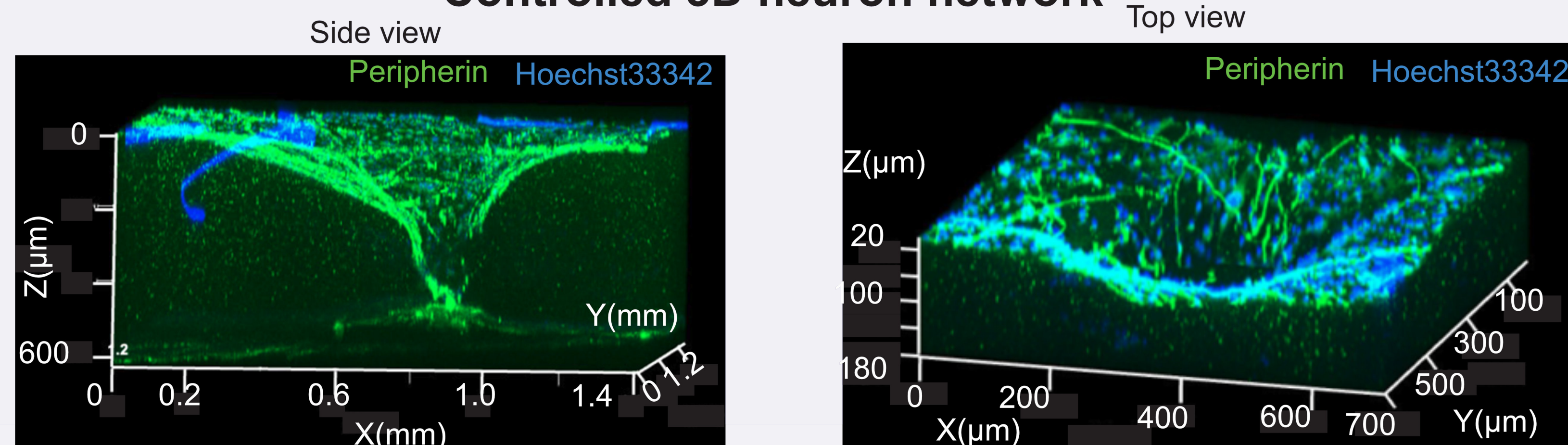


Li, T., Nie, M. and Takeuchi, S. (2026), *Advanced Robotics Research*, 2: e202500063.

Innervated skin

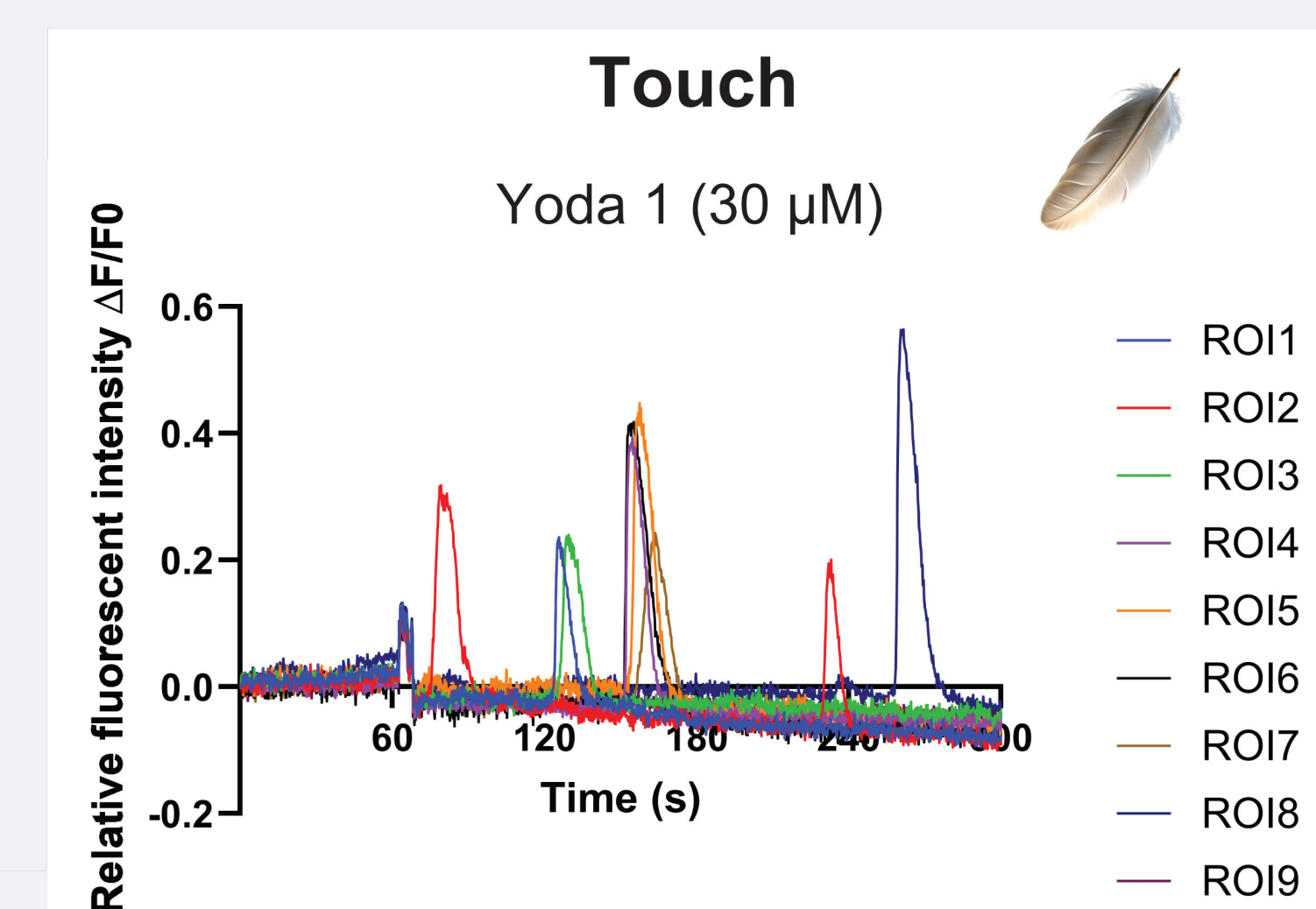
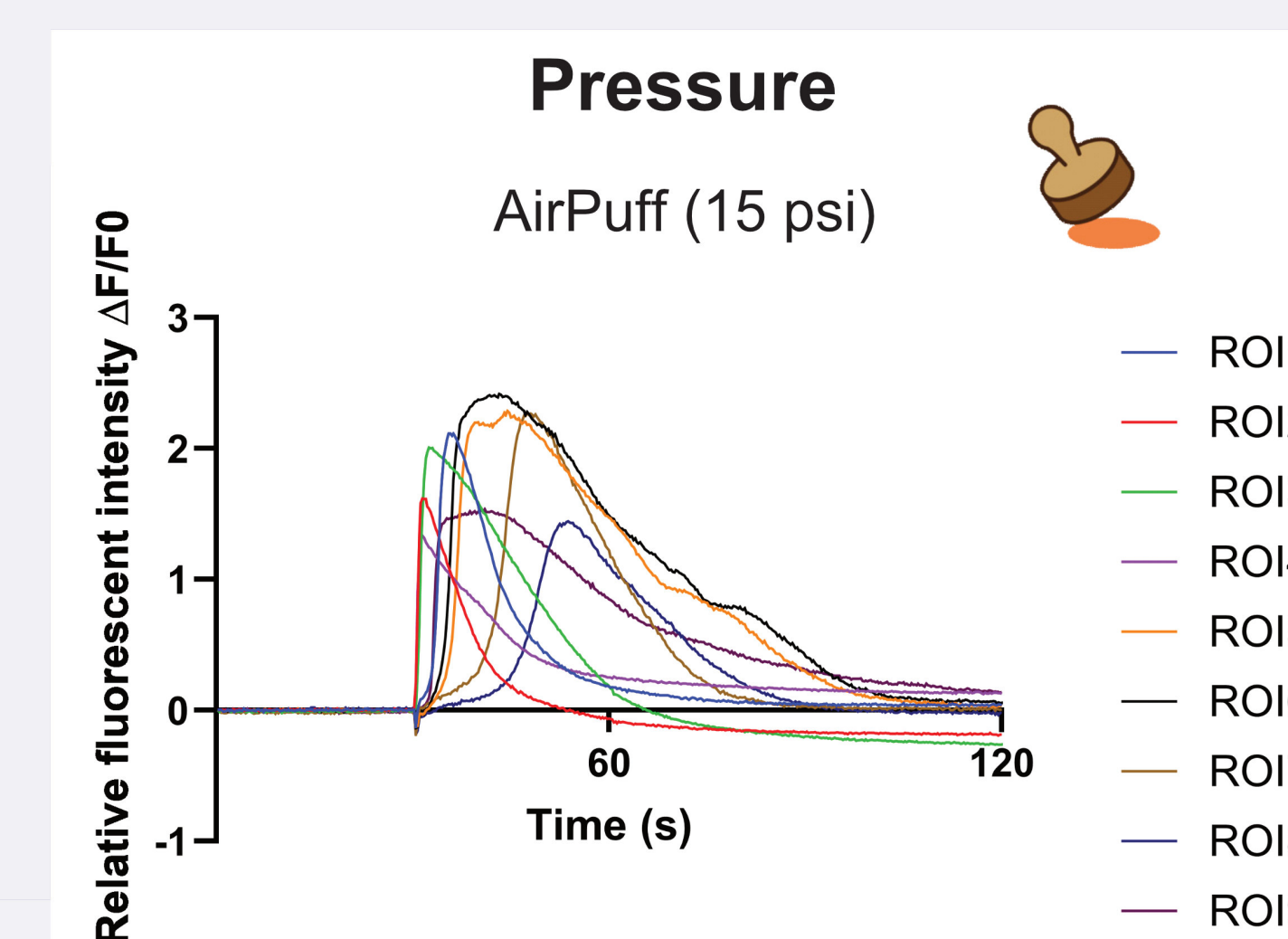
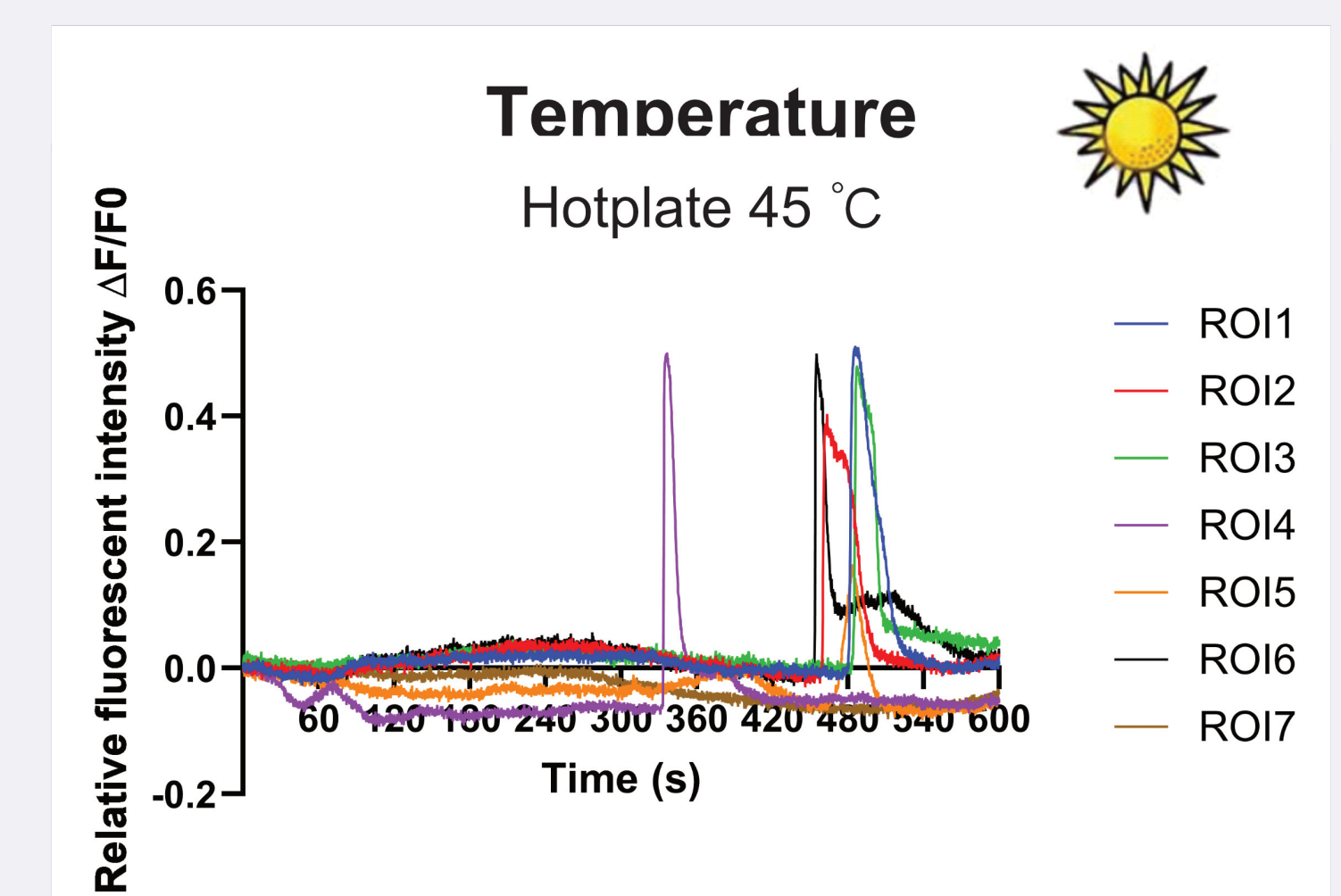
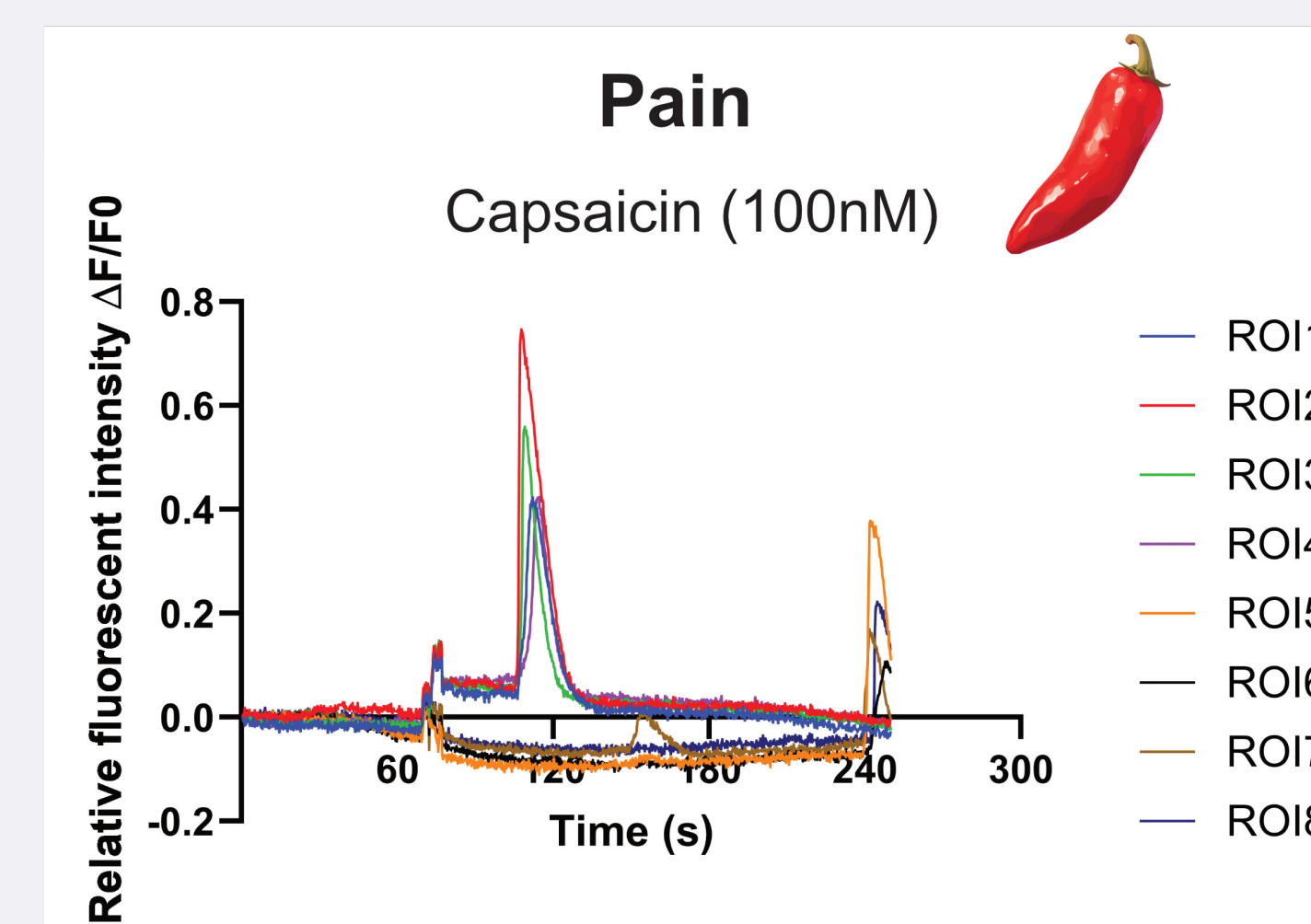


Controlled 3D neuron network



T. Li, X. Fei, M. Nie and S. Takeuchi, 2025 23rd International Conference on Solid-State Sensors, Actuators and Microsystems (Transducers), Orlando, FL, USA, 2025, pp. 918-919.

Multi-modal perception



Organizers