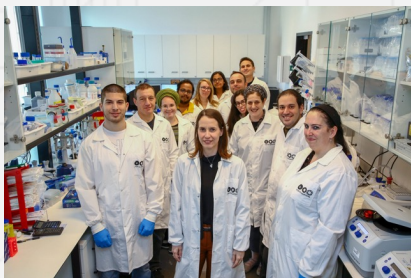




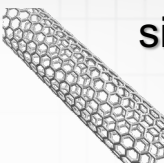
Dr. Gili Bisker – The Nanosensors and Biophysics Lab

Biomedical Engineering Department, Tel Aviv University

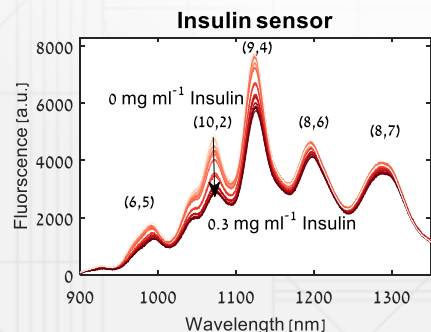
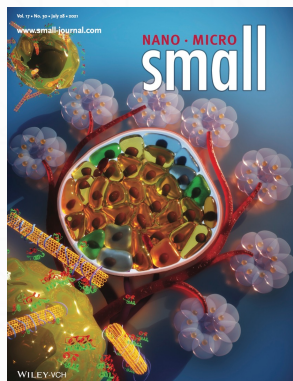
Open MSc and PhD positions!



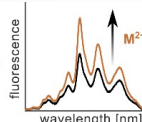
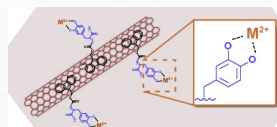
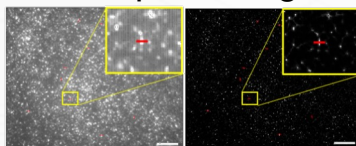
The Bisker Lab develops optical nanosensors in the near-infrared using fluorescent single-walled carbon nanotubes



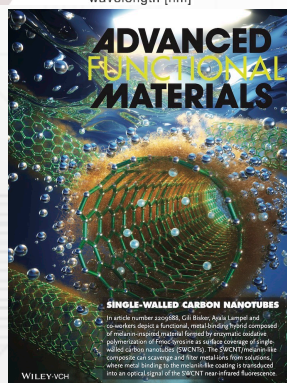
Real-time fluorescence feedback on insulin secretion by pancreatic beta-cells



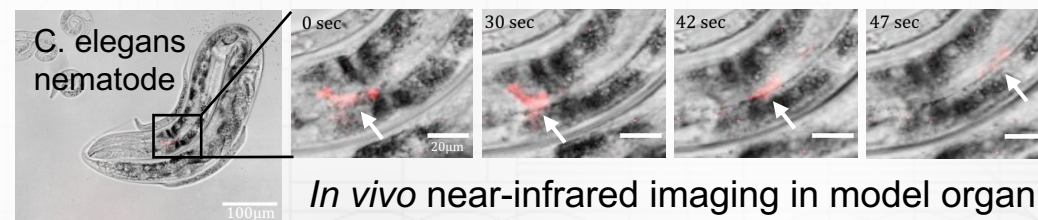
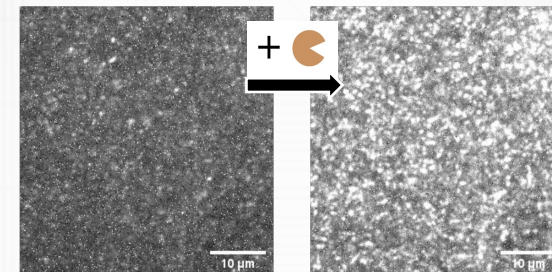
Super-resolution near-infrared imaging using advanced image analysis and deep learning



Optical detection and scavenging of metals from water using nature-inspired melanin-like functionalization of nanotubes



Monitoring the Activity and Inhibition of Acetylcholinesterase with spatial and temporal resolution using optical nanosensors based on fluorescence single-walled carbon nanotubes



In vivo near-infrared imaging in model organisms and in live cells for monitoring biological processes

