Dr. Gili Bisker – The Nanosensors and Biophysics Lab
Biomedical Engineering Department, Tel Aviv University

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

- Real-time feedback on insulin secretion by pancreatic beta-cells for accelerating diabetes research
- Monitoring the Activity and Inhibition of Cholinesterase enzymes for studying the cholinergic system
- Super resolution imaging in the near infrared using advances image analysis tools and deep learning
- In vivo Imaging in model organisms and in live cells for monitoring biological processes