

## Biomedical Optics Laboratory – Dvir Yelin Group

### Department of Biomedical Engineering

### **Wanted: Motivated Ph.D and M.Sc students for innovative projects:**

1. Novel *in vivo* microscopy of blood cells for patient diagnosis. Projects available in basic research with blood samples, new design concepts, image processing, optical simulation software codes, and advanced clinical experiments with patients.
2. Ultra-miniature clinical endoscopy. Projects available in endoscope development and design and fabrication of novel miniaturized systems.
3. *In vivo* optical imaging of acoustic vibrations of the tympanic membrane. Projects available in basic system development, data and image processing, and research of new measurement concepts.
4. Nanotechnology and high-power lasers for cancer treatment. Projects available in basic research with cancer cell cultures in two and three dimensions.

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