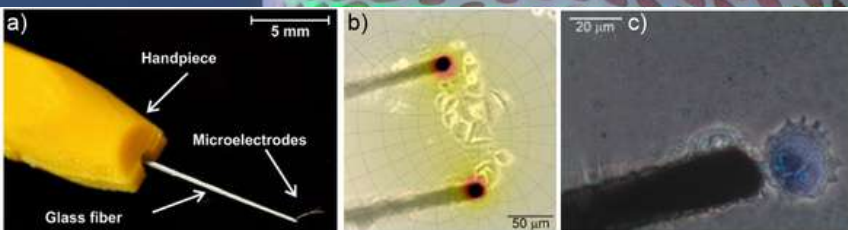


Microprobe for selective electroporation



KEY ADVANTAGES OF THE TECHNOLOGY

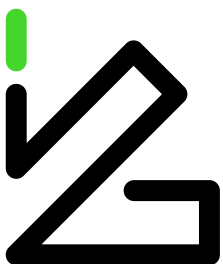
- The precise delivery of new generation drugs to the infected cells [ex. it allows for locally delivering highly toxic cancer drugs without the need for general chemistry destroying the whole organism in cancer therapy].
- Effective laparoscopic cancer therapies with simultaneous drug delivery
- Mass production of probes with identical geometrical parameters

Our microprobe is dedicated for selective electroporation of chosen cells regions of internal organs in vivo and single cells in vitro.

It can integrate in one device: channel for local drug delivery, imaging channel for observation of region where electroporation is applied and optical fiber for delivery or receiving of illuminating or therapeutic signal.

The microprobe of the invention has a monolithic fiber structure and can be used for in vivo applications with a puncture needle and for in vitro applications.

Novel approach for targeted individual cancer therapy



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