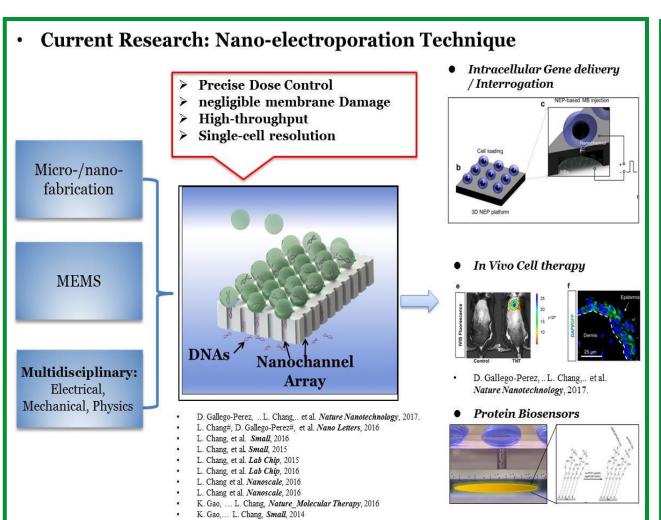




## Lingqian Chang, PhD

Assistant Professor, Department of Biomedical Engineering

Research Area: BioMEMS, Micro-/nano-fabrication, Lab on Chip, Biosensors
Research topics: 1. Flexible nano-electroporation biomedical device for in vivo gene delivery; 2. multiplexed single-cell gene chip for cancer intracellular marker detection; 3. Micro-/nano-scale cell manipulation; 4. Micro-/nano-sensors



• Research 1: In vivo Soft-NEP for gene delivery

Top Electrode
Gene / Cargo
Soft 3D NEP
Patch
Epidermis

Research 2: multiplexed gene interrogation chip

Objective