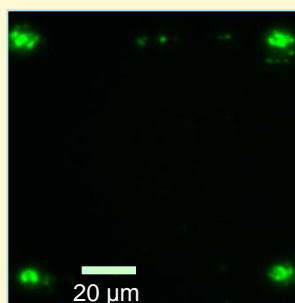


Staff: 1 professor, 5 post-docs/graduate students

Research fields: Nano-photonics, Bio-photonics, Optical MEMS/NEMS

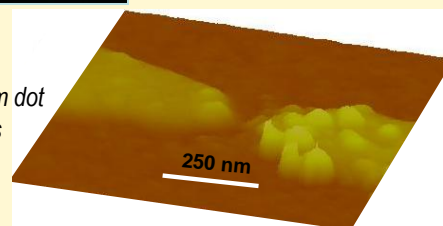
Research topics in Micro and NanoSystems

- Nano-structure enhanced laser tweezers
- Quantum dot photonic devices
- Plasmonics for enhanced optical manipulation and optical coupling
- Optical MEMS for biophotonic applications



*Patterning of nanoparticles
by plasmonic tweezers*

*Nanoscale quantum dot
photodetectors*



Technology

- Colloidal quantum dots
- Metal nanoparticles
- Optical nanostructures
- Self-assembly fabrication
- Optical MEMS/NEMS devices

Design, simulation & characterization tools

- Fluorescence microscopy
- Low-noise photodetection characterization
- Optical tweezers
- MEMS probe station
- FDTD simulation

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