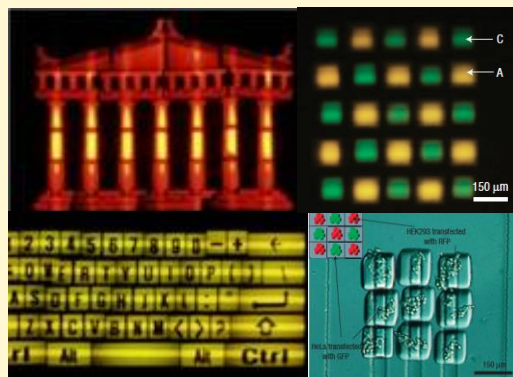


Staff: 1 professor
1 PhD, 4 PhD students, 2 researcher, 7 Master students

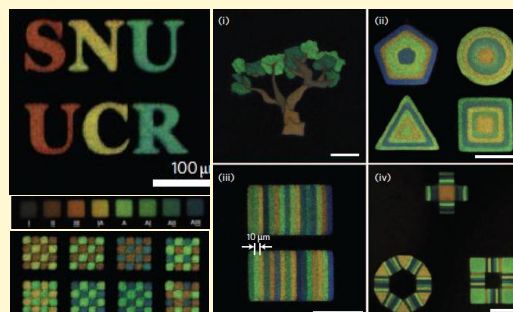
Research fields: Microfluidics, BioMEMS, Nanofabrication, Photonics,

Research topics in Micro and NanoSystems

- Microfluidics
- Micro Total Analysis System
- Lab on a Chip
- Fluidic Self-assembly (FSA)
- Structural Color Display
- Nanofabrication
- Photonics
- BioMEMS



Rail-guided fluidic self-assembly. *Nature materials* (2008)



Structural color printing. *Nature photonics* (2009)

Technology

- Optofluidic Maskless lithography (OFML)
- Moving Mask Lithography
- 3-D OFML
- Railed Microfluidics
- Fabrication of Cell-laden 3-D Hydrogel
- Intelligent Silicon beads
- MEMS Confocal Microscope
- Structural Color printing using a magnetically tunable photonic crystal

Design, simulation & characterization tools

- Confocal microscopy
- Optical microscopy
- Dark Field Microscopy
- High speed CCD camera
- Probe Station
- Digital Micromirror Device (DMD)
- Cell incubator and Autoclave
- Clean bench

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