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Research Theme

Biomedical and Biological Materials and Manufacturing

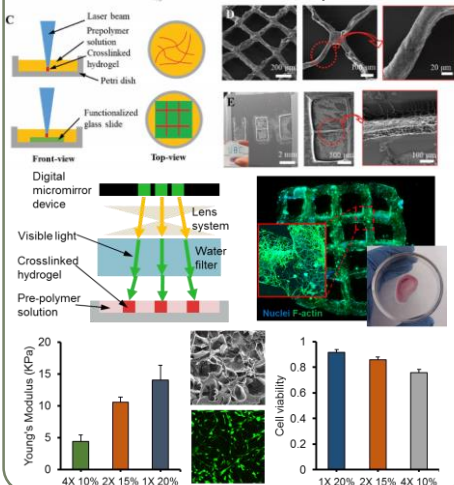
Research Areas

- 3D Bioprinting
- BioMEMS and Microfluidics
- Biomaterials and Tissue Engineering
- Biomechanics
- Stem Cell Engineering
- Microarray for High-throughput Screening

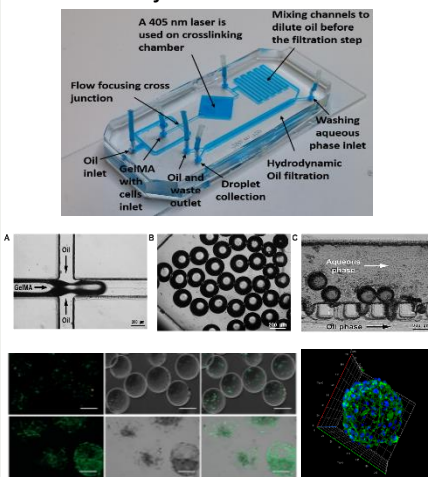
Research Facilities/Tools

- Inverted Fluorescent Microscopes
- Mechanical Testing Machine for Soft Materials
- Cell Culture Facility
- Freeze Drier
- Autoclave
- 3D Printer
- UV Light Curing System

3D bioprinting system and hydrogel-based bioink development



Microfluidic generation of cell-laden injectable microtissues



Stretchable 3D cellular microarray platform for mechanobiology study

