



Acoustic Microfluidics for Biomedical Applications: Engineering Lab on a Chip

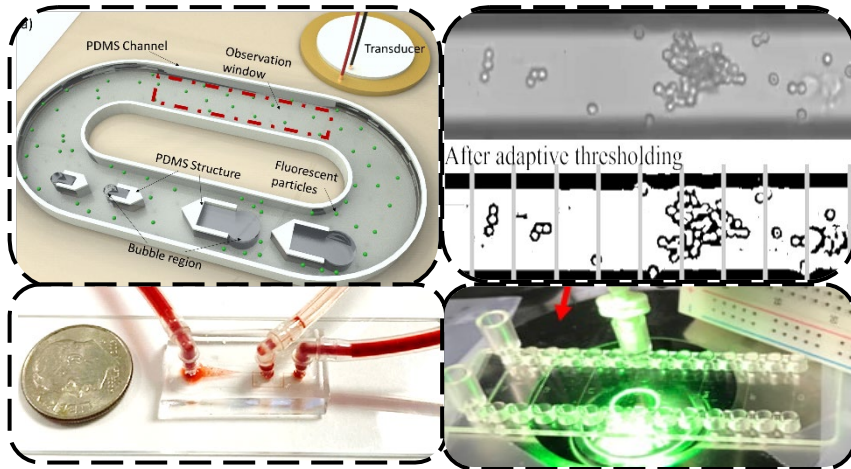
**Acoustic
microfluidics**



**Biomedical
research**



Health Care

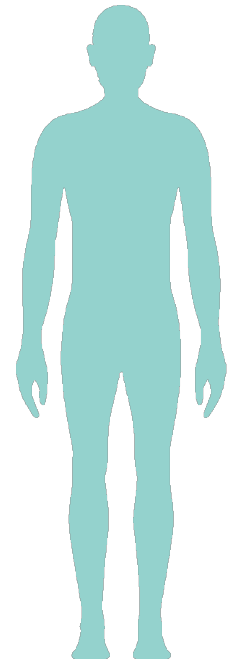
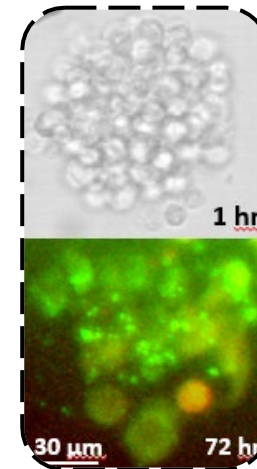


Disease
Diagnosis

Biosensing

Organ on a Chip

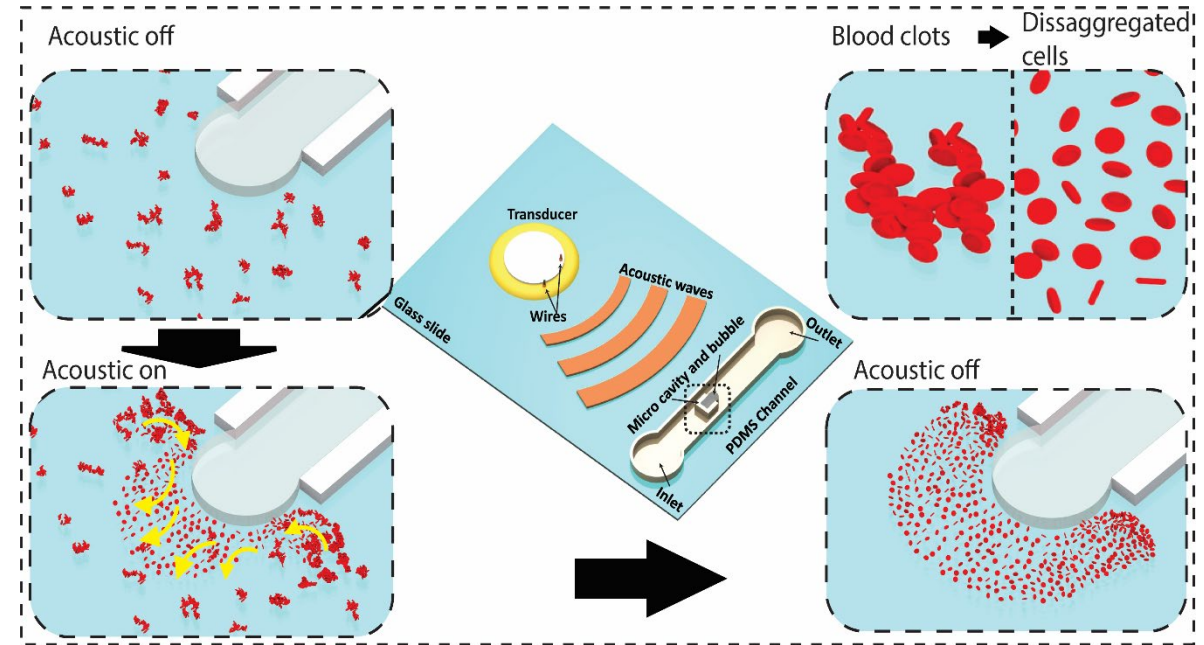
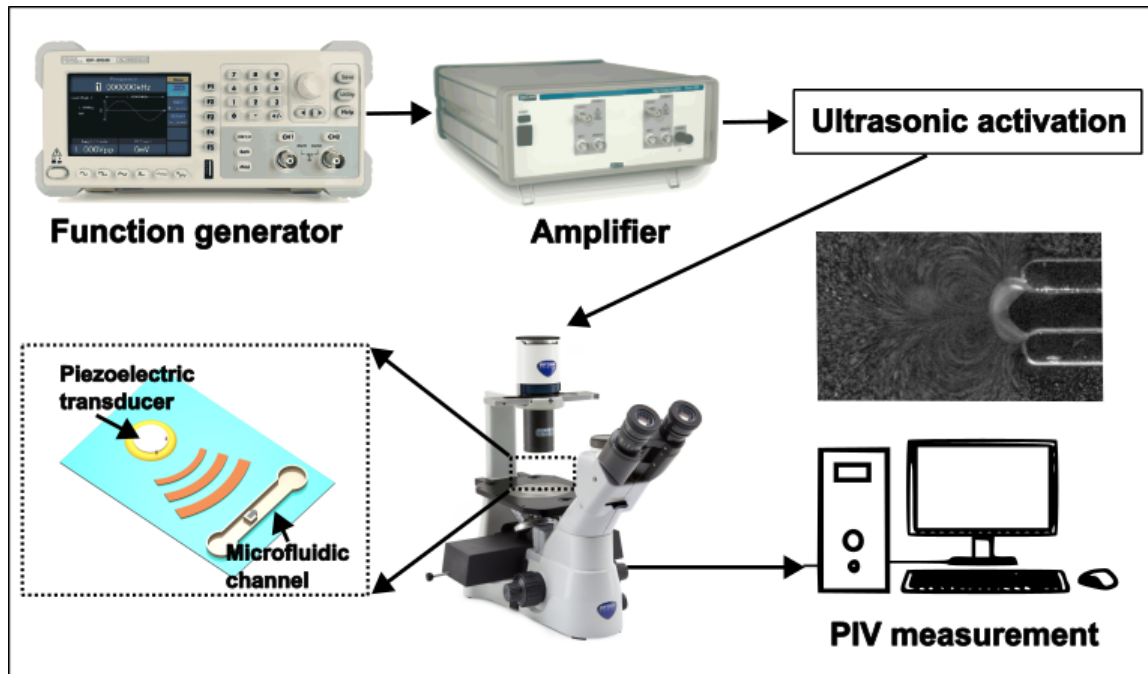
Drug delivery





Acoustic Microfluidics for Biomedical Applications: Engineering Cells on a Chip

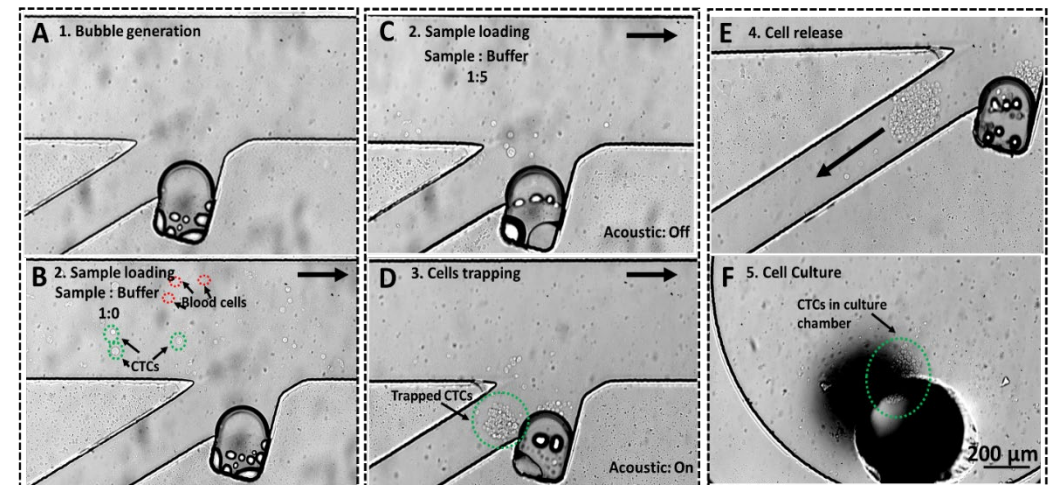
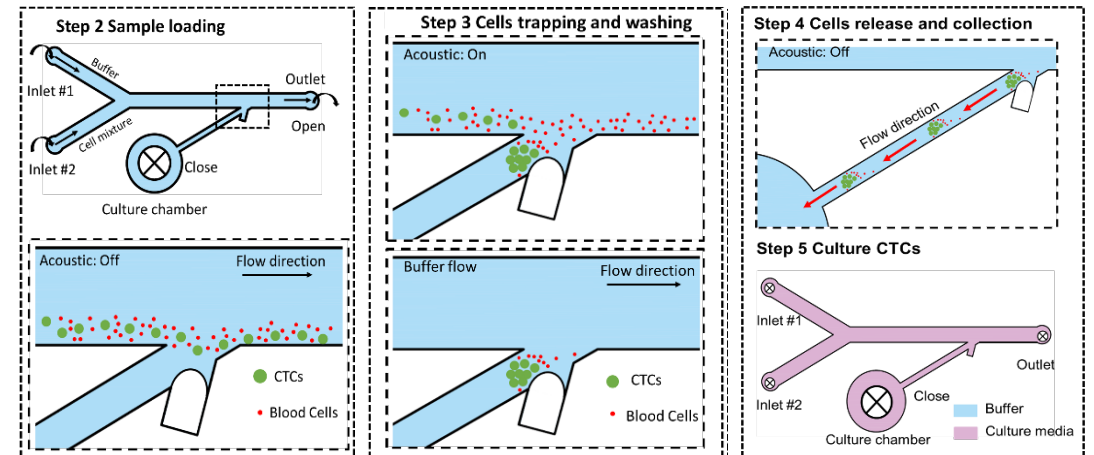
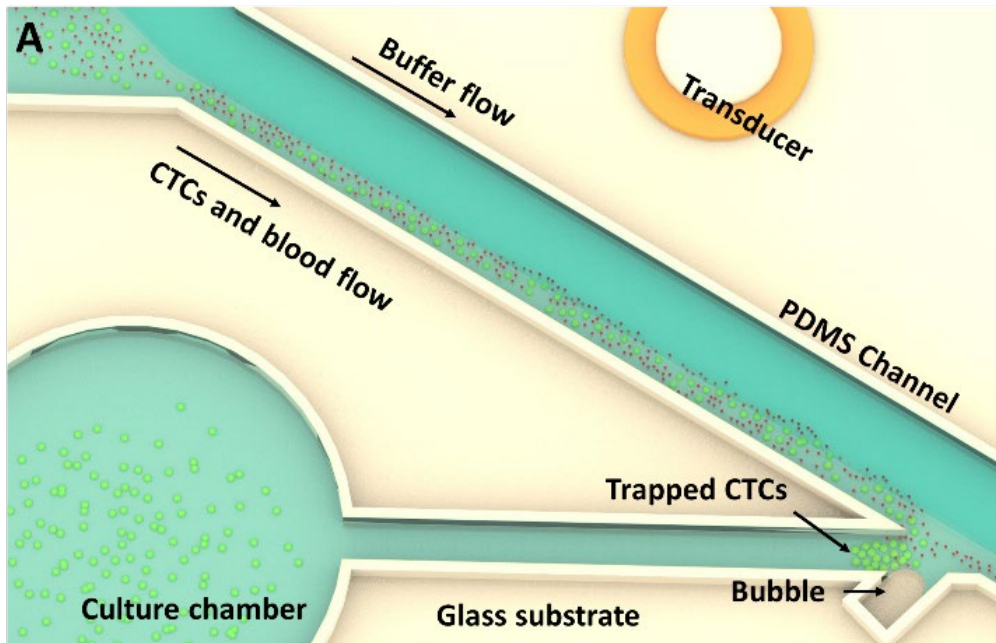
- Acoustic microfluidics for the study of ultrasound thrombolysis





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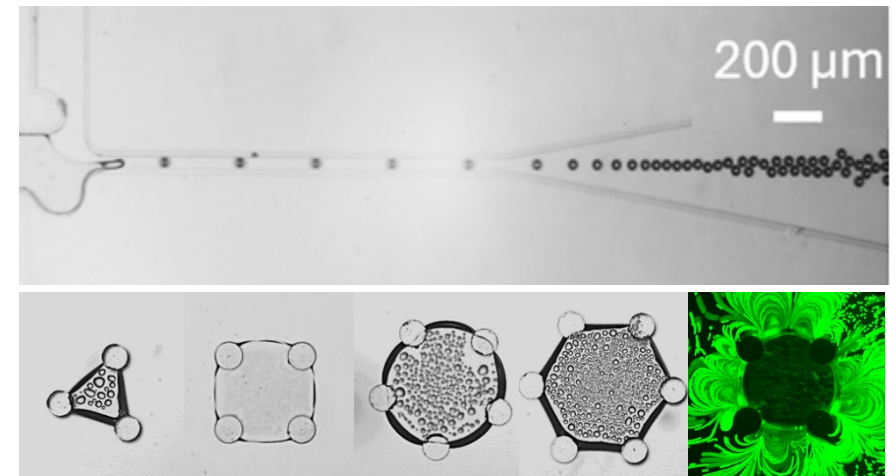
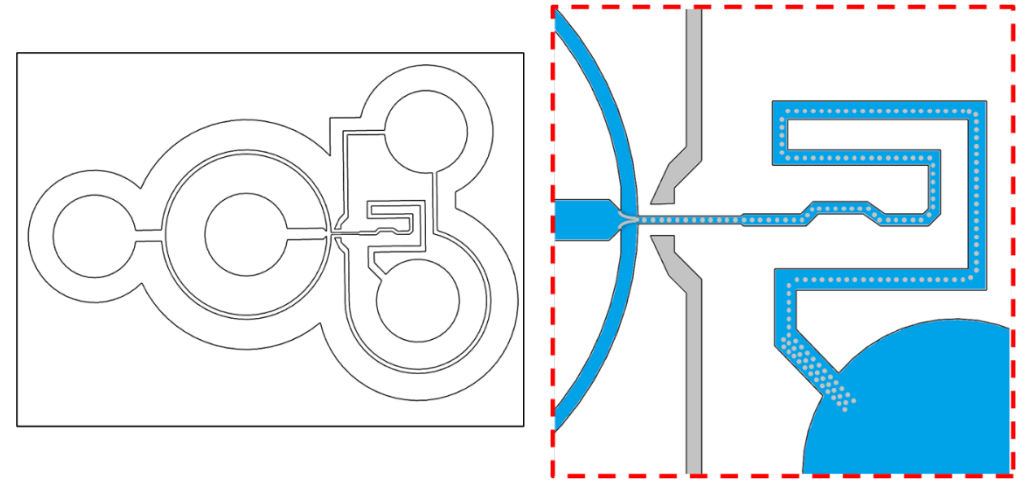
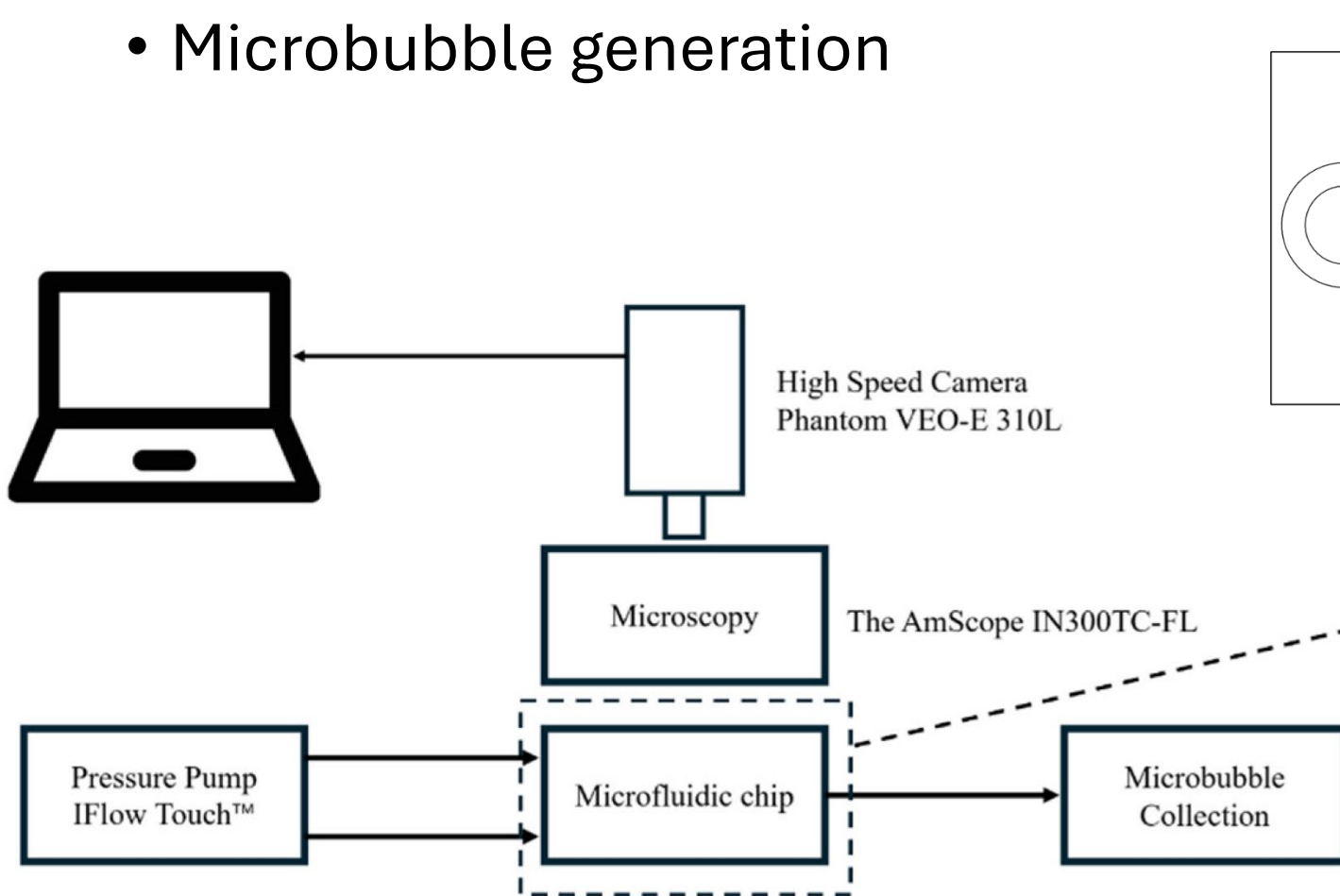
- Acoustic bubble-based Tumor-on-a-Chip Platform





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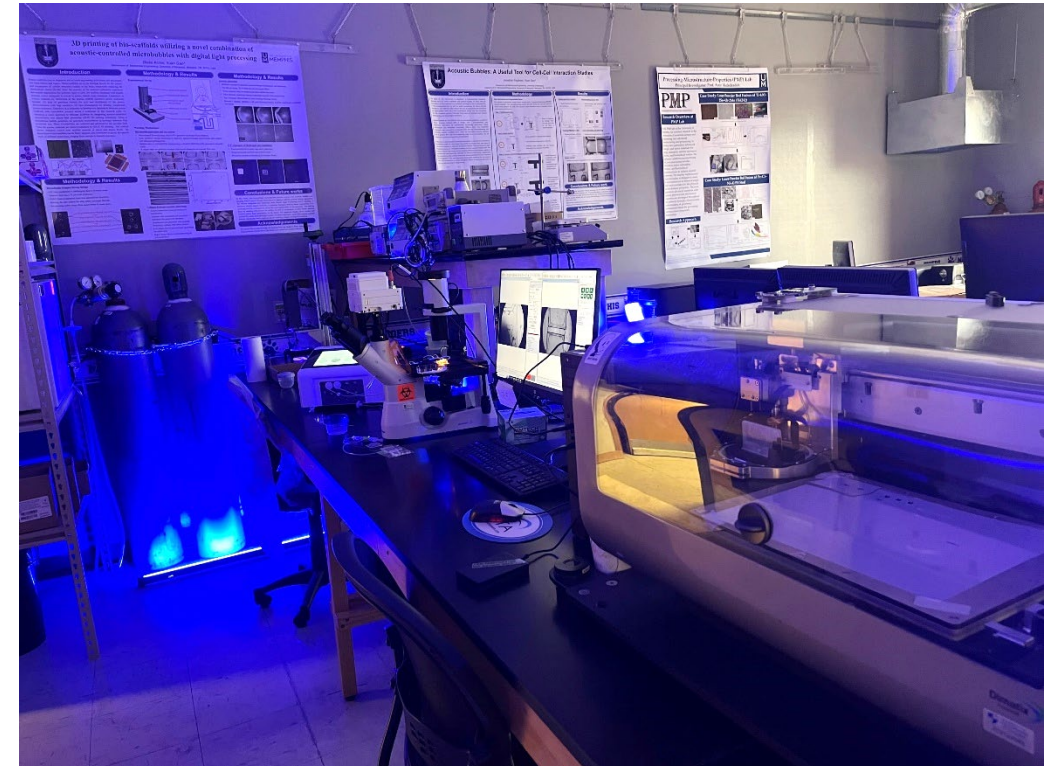
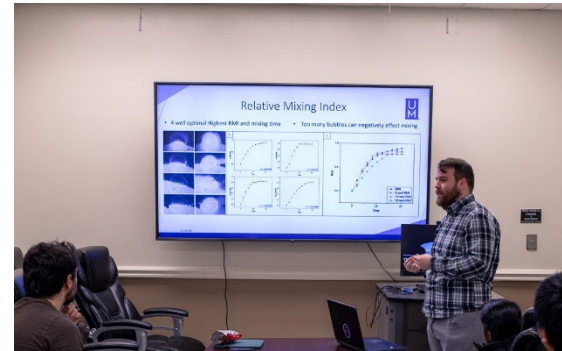
- Microbubble generation





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- Microfluidics Lab





Acoustic Microfluidics for Biomedical Applications: Engineering Cells on a Chip

Experience Gained by Students

This experience will provide you with new skills and knowledge:

- Understand acoustic microfluidics system
- Design and fabricate microfluidic/biomedical devices
- Collecting and analyze data with programming skills
- Conducting simulations using COMSOL Multiphysics software
- Work with cell culture and microfabrication techniques
- Improve technical writing and presentation skills