

FACULTY MENTOR Lo, Yu-Hwa

PROJECT TITLE Biomedical devices and systems for point of care and precision medicine

PROJECT DESCRIPTION

The project has a few components that lead to different biomedical applications. One aspect of the project is to use microfluidics and electronics to realize devices for disease diagnosis in point-of-care setting. Another aspect of the project is to apply bioengineering techniques to develop single-cell assay to harvest, isolate, and analyze biological cells with single-cell resolution to help realize personalized, precision medicine. The students are expected to work with PhD students on the project.

INTERNS NEEDED 2 MS Students OR 2 Undergrad Students

PREREQUISITES

Background in electronics, single processing, or photonics. GPA > 3.5.

