

Name of project supervisor: Xinyu Liu

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Name of project: A microfluidic system for cancer cell biology.

Project summary: In this project, the student will develop an automated microfluidic system for on-chip culture and perfusion of primary tumor cells. The system will be used to answer biological questions on tumor metastasis and potentially find new pathways. The student will work in the cleanroom of Center for Microfluidic Systems for device fabrication, and will also closely work with cell biology groups to perform biological experiments.