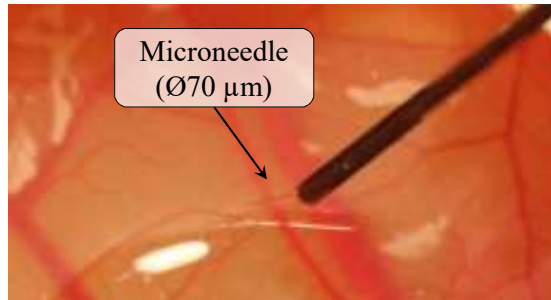


Force-Based Control for Robot-Assisted Retinal Vein Cannulation

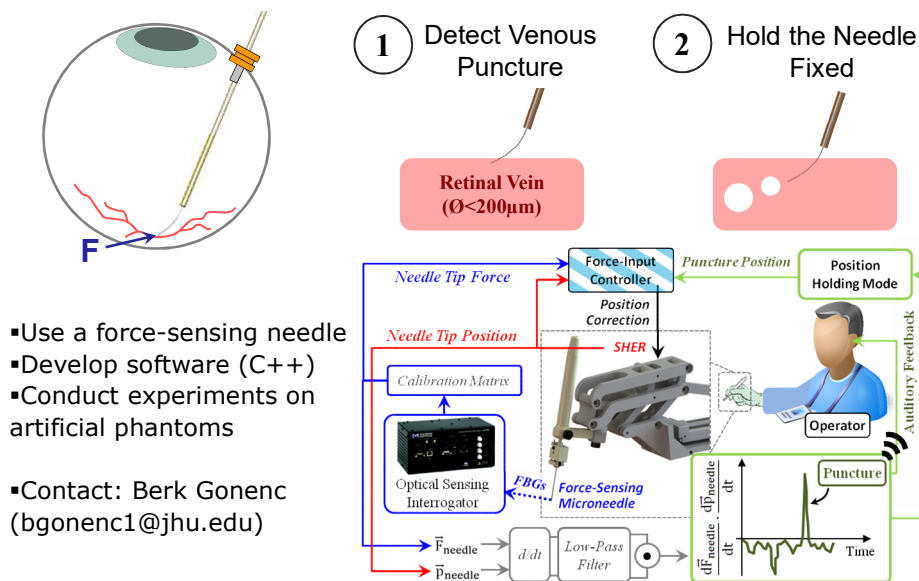
- This project aims to modify the Eye Robot (ER) control algorithms for assisting retinal vein cannulation (RVC).
- **What Students Will Do:**
 - New control mode(s) to aid cannulation (C++)
 - Artificial retinal vein phantom, single subject experiments and statistical analyses (MATLAB)
- **Deliverables:**
 - Software: C++ code
 - Retina vein phantom
 - Experimental setup
 - Experimental results
- **Size group:** 2 people
- **Skills:** MATLAB, C++
- **Mentors:** Berk Gonenc (bgonenc1@jhu.edu), Iulian Iordachita, Russell Taylor



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