Graduate Student Research Assistant Opportunity
BME M.S. or PhD Student
April 21, 2021

Contact:
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Assignment Term: Two Years

Job Description

- We are seeking for a GRA who can help develop a smartphone-based infrared-fluorescence imaging device for self-examine of oral disease.
- The current position offers an exceptional opportunity for self-motivated and intellectually curious individual to participate in a NIH-funded cutting-edge research in mobile health diagnostics.
- This position involves (1) exploring wearable intra-oral fluorescent biosensors, (2) testing, collecting and analyzing fluorescent imaging data, (3) design validating smartphone sensing devices.
- The desired candidate is a self-motivated quick learner and an independent student researcher who is highly interested in facilitating the development of new research avenues.
- Previous experience in wearable biosensor/devices, fluorescent imaging, and smartphone optical sensing is a plus.

Responsibilities

- Perform research tasks in bio-safety laboratory environment
- Interpret study results and implement research plans in collaboration with PI.
- Participate in the development and validation of smartphone-based sensing devices.
- Conduct literature research, summarize experiment results, write and publish academic research papers.
- May be required to work non-standard, extended or weekend hours in support of research work.

Education

Bachelor’s degree in engineering or a related field

Desired Qualifications

Experience in imaging process
Experience in research project
Desire to take initiative, solve problems, and handle responsibility.
Attention to details