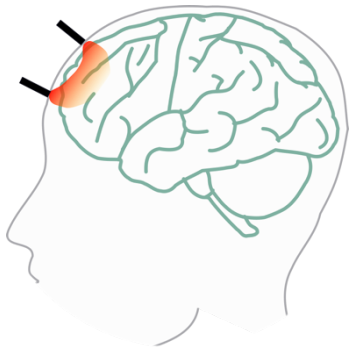
PhD Student positions

Biomedical Optics, Neuroimaging, Neurophotonics

The Translational Optics Imaging and Spectroscopy Lab led by Dr. Ashwin B Parthasarathy at the University of South Florida (USF), Tampa is actively seeking multiple PhD students to join a dynamic, federally funded, interdisciplinary research program at the forefront of development and clinical application of novel biophotonics technologies to monitor and understand neurological disorders.

PhD students will work on projects related to the development and deployment of new Diffuse Correlation Spectroscopy (DCS) techniques with specific emphasis on monitoring cerebral blood flow during and after therapy for ischemic stroke and subarachnoid hemorrhage.



Skills and Qualifications:

- Bachelor's degree in Biomedical engineering, Electrical Engineering, Physics, Optics, Computer Science, or related fields.
- Excellent oral and written communication skills.
- Ability to work with an interdisciplinary team.
- Background in experimental and/or computational skills in any of the following fields: optical systems, diffuse optics, instrumentation, imaging, and/or optical signal/data analysis.

We offer:

- Funding in the form of Research and/or Teaching assistantship
- Opportunities for collaborations with faculty in Electrical Engineering, Medical Engineering, Neurology, Neurosurgery and Brain Repair at USF.
- Mentoring and support for career development

Exceptional candidates can apply for EE Departmental Fellowships to supplement RA/Ta stipend.

Please by email to Dr. Ashwin Parthasarathy (ashwinbp@usf.edu), with a copy of your recent CV. We welcome and encourage applications from students with diverse backgrounds.

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