Research Positions in Optical Imaging

1. Postdoc Position(s)
2. PhD Student Research Position(s)

In the Department of Biomedical, Industrial & Human Factors Engineering at Wright State University, we focus on noninvasive optical imaging of the brain function and cancer at preclinical and clinical settings. We are looking for candidates to take an active part in the research and development of novel optical imaging instrumentation and computational methods. The position offers a stimulating work environment integrating engineering and physics with medicine and biology. The candidate will have a unique opportunity in both basic laboratory and translational research by collaborating with scientists and medical doctors located in close proximity. Current research projects include the topics related to neuroscience, neuroengineering, functional imaging of brain function, and cancer diagnosis and therapy. For the details please visit us at:

http://www.optical-bioimaging.org

Qualifications: The qualified candidates should have a strong background in Biomedical Engineering, Physics, Electrical Engineering, Optical Engineering or related fields.

Preferred Skills:
- Previous experience with CCD cameras, LEDs, lasers, structured light illumination, spatial light modulators, digital light projection (DLP) will be a plus
- Previous experience with data acquisition card, LabView.
- Experience in instrumentation development, hardware control and signal acquisition (preferably with Labview).
- Design of optical systems, experience with opto-mechanical, electro-optic systems
- Strong programming skills and experience with Labview and Matlab
- Signal and image processing, data analysis methods
- (Tissue) optics, biomedical optics

To Apply: Please email your CV and cover letter describing your background to:
Ulas Sunar, PhD
Associate Professor, Dept. of Biomedical, Industrial & Human Factors Engineering
Ohio Research Scholar in Medical Imaging
Optical Bio-Imaging Lab:
http://www.optical-bioimaging.org
Email: ulas.sunar@wright.edu