ROSWELL PARK CANCER INSTITUTE
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UNDERSTAND PREVENT & CURE CANCER

At Roswell Park Cancer Institute (RPCI) we are looking for candidates to take an active part in the research and development of novel optical imaging instrumentation and computational methods. We focus on noninvasive imaging of cancer in animal and clinical studies. RPCI 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 the same research environment. Several projects are available with a particular focus on CCD camera based fluorescence imaging (tomography), ultrasound, photoacoustic imaging, and optical spectroscopy and microscopy. For the details please visit us at:

http://www.opticalimaging-pdt.org

Qualifications:

The qualified candidates should have a strong background in Optical Engineering, Electrical Engineering, Biomedical Engineering, Physics, Medical Physics, or related fields. We have several positions available **now** involving: instrumentation, hardware/software communication and computational modeling.

Preferred particular skills:

- Undergrad, MS or PhD (Part-time or full-time)
- Previous hands-on experience in instrumentation development, hardware control, signal acquisition
- Design of optical systems, experience with opto-mechanical, electro-optic systems
- Any experience on optical, ultrasound, photoacoustic imaging and microscopy
- Multi-spectral imaging, structured illumination, modulated imaging
- Strong programming skills and experience with Labview, Matlab.
- Signal and image processing, data analysis methods
- Experience with image reconstruction (and/or finite difference/finite element methods)
- (Tissue) optics, biomedical optics and imaging

To Apply: Please send (via email) your CV a cover letter describing your background to:

Ulas Sunar, PhD (Ulas.Sunar@roswellpark.org).
Optical Imaging Lab:
http://www.opticalimaging-pdt.org
Roswell Park Cancer Institute