



Post-Doctoral Research Associate Positions

Translational Optical Coherence Tomography

Applications are invited for one or more post-doctoral research associate positions in the Biophotonics Imaging Laboratory (<http://biophotonics.illinois.edu>) at the Beckman Institute for Advanced Science and Technology (<http://beckman.illinois.edu>) on the campus of the University of Illinois at Urbana - Champaign. Our projects will develop and clinically translate the next generation of advanced optical coherence tomography (OCT) systems for (i) primary care imaging in the outpatient setting, and (ii) intraoperative assessment of tumor margins and lymph nodes during breast cancer surgery. These positions are partially supported by the National Institutes of Health.

Successful candidates should have a Ph.D. in bioengineering, electrical engineering, physics, or other related disciplines. Demonstrated experience with optical imaging systems and excellent oral and written communication skills in English are required. Proficiency in programming using Labview, C++, and/or Matlab is a plus, and self motivation, experience with OCT, clinical experiences with human subjects, and creativity are highly desirable.

The positions will be supervised by Prof. Stephen Boppart, M.D., Ph.D. (Beckman Institute) and candidates will work in collaboration with other physicians at local and regional medical institutions. The candidates will also have numerous opportunities to interact with researchers across many departments at the University of Illinois at Urbana-Champaign, with industry scientists and engineers, and with international collaborators in this highly interdisciplinary research and training.

The Champaign-Urbana area is an academically- and culturally-rich micro-urban community (<http://micro-urban.com>) that enjoys a low-cost of living, family-friendly atmosphere, and ready access to Chicago, St. Louis, and Indianapolis.

Application

Interested applicants should send application materials to Darold Spillman (dspillm2@illinois.edu). The application materials should include a single PDF file which contains: a cover letter, a brief summary of research background and interests, a current CV, and contact information for at least three references. Applications are due by December 15, 2011, with expected start-dates in Spring 2012.