

Postdoctoral Research Associate Position

The W.M. Keck Center for Cellular Imaging (KCCI), at the University of Virginia invites applications for a post-doctoral Research Associate position.

The incumbent will be developing a new optical microscopy and spectroscopy techniques to investigate cellular metabolism in cells and live animal. The Research Associate will be responsible for administrating and training the center users on various microscopy systems including wide-field, TIRF, confocal, multiphoton, two-photon in vivo imaging, FLIM, and FRET microscopy. The incumbent expected to have some experience in computer administration, FLIM, optical instrumentation development, and software code writing. The research associate should have an interest/ability to work independently as well as collaboratively in multidisciplinary investigators involved in the KCCI. Research Associate should have experience in preparing research articles in cellular metabolism studies to publish in peer-reviewed journals and conferences.

The Keck Center for Cellular Imaging (KCCI) at UVA is an internationally known center in advanced microscopy imaging. KCCI is highly interactive with outstanding investigators across grounds including from School of Engineering, Arts & Sciences and School of Medicine; provides an excellent training and teaching for graduate and undergraduate students on various microscopy techniques. Historical strengths of KCCI is development of advanced FRET and FLIM imaging systems, techniques and data analysis which are used to train the national and international scientist's through annual hands training workshop on FRET and FLIM microscopy.

QUALIFICATIONS: A Ph.D. in Physics, Chemistry, Biophotonics, Engineering or a related discipline is required by the start date. Preference will be given to candidates proficient in design and development of a new optical instrumentation, FLIM, software development, especially with Java for ImageJ/Fiji, Python, LabVIEW, and MATLAB, and with experience in various fluorescence microscopy-imaging systems. Candidates must have effective oral and written communication skills.

This is a one-year appointment; however, appointment may be renewed for an additional two, one-year increments, contingent upon available funding and satisfactory performance. For questions regarding this position, please contact Dr. Ammasi Periasamy, Center Director, at ap3t@virginia.edu.