Postdoctoral Opportunity

Optics: Super-resolution Microscopy

Backman Laboratory

Our laboratory is a pioneer in the development of novel super-resolution imaging and nano-sensing techniques, and currently has an optics-related opening for a postdoctoral fellow. The position is focused on super-resolution microscopy and single molecule localization techniques. Candidates must have experience in optical microscopy development, design and use; strong preference will be given to candidates with postdoctoral training and/or experience in the fields of super-resolution microscopy (especially single molecule localization techniques), spectral microscopy and/or other nanoscale imaging techniques. Experience with immuno-fluorescence and cell preparation is desired.

Candidates must have a Ph.D. in biomedical engineering, electrical engineering, medical physics, or a related field. The successful candidates are expected to possess excellent written and oral communication skills in English, a good publication record in peer-reviewed journals, and be highly motivated and with demonstrable experience in modern optics.

Successful candidates will work under the direction of Dr. Vadim Backman, Walter Dill Scott Professor of Biomedical Engineering and Professor of Medicine (Oncology) and Molecular Genetics at Northwestern University.

Outstanding candidates interested in this opportunity are encouraged to send a CV to Benjamin Keane at:

b-keane@northwestern.edu