



Department of
Biomedical Engineering
UNIVERSITY OF WISCONSIN-MADISON

Skala Lab
PhD Research Positions

Applications are invited for a PhD student in Dr. Skala's lab in Biomedical Engineering at the University of Wisconsin–Madison. The objective of this research project is to develop and apply optical microscopy and analysis techniques to quantitatively monitor metabolic and structural changes in cancer that predict drug response. Measurements will be made in mouse models of cancer in vivo, and in human patient samples maintained in 3D cultures (“organoids”).

The PhD student will work with multiphoton and fluorescence lifetime imaging microscopy in collaboration with engineers, clinicians, and biologists. The applicant will have access to state-of-the-art resources in biomedical photonics, and opportunities to develop other photonics techniques including high-throughput microscopy, optical coherence tomography, and spectral imaging. This position will also provide a unique opportunity to gain experience in a multidisciplinary research environment.

Application Process:

For more information, please email Dr. Skala at mcskala@wisc.edu and visit our website: <http://morgridge.org/skala>