Skala Lab
Postdoctoral Position

The objective of this research project is to develop and apply photothermal optical coherence tomography and analysis techniques to quantitatively monitor melanin levels in the eye. Measurements will be made in calibration standards, animal models, and first-in-human studies. The Postdoctoral Researcher will optimize optical instrumentation, analysis, and acquisition procedures in collaboration with engineers, clinicians, and biologists in a joint collaboration with the Medical College of Wisconsin in Milwaukee. 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, multiphoton microscopy, and cancer biomarker discovery. This position will also provide a unique opportunity to gain experience in a multidisciplinary research environment.

UW-Madison consistently ranks among the top U.S. research universities and the City of Madison among the ‘best places to live in the US’ with a diversity of cultural and outdoor opportunities. In addition to competitive salary, health benefits, etc., Morgridge postdoctoral positions also provide the rare advantage of retirement benefits. Reasonable accommodations may be made to enable individuals with disabilities to perform the primary duties.

Requirements:
Candidates must hold a doctoral degree in an appropriate field of engineering or the physical sciences. The applicant should have experience with optical coherence tomography, signal analysis, and imaging biological samples. Excellent organizational and communication skills are a must. The initial appointment will be for a one-year period, with possibility of extension.

Application Process:
For more information visit our website: http://morgridge.org/skala