

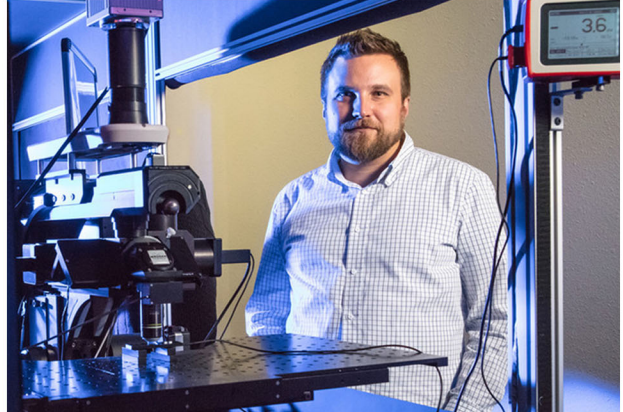
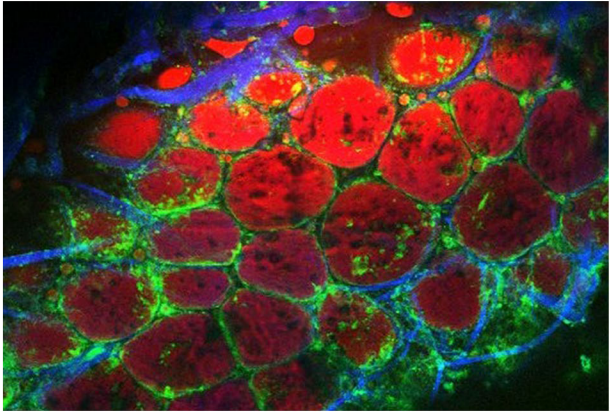
The University of Arkansas

Department of Biological Sciences Seminar Series

Quantitative Label-free metabolic imaging of skin wound healing

By

Kyle P. Quinn, PhD



**Associate Professor of Biomedical Engineering
College of Engineering**

On

Thursday, 3/18/2021

SEMINAR : 3:30 - 4:30 PM

Zoom Link

<https://uark.zoom.us/j/83774794016?pwd=VFc4cIBFVTBGdUN5YkVIYUcxWkt0dz09>

Dr. Quinn has an extensive track record in work related to metabolic imaging and wound healing. His research interests are in developing and utilizing non-invasive label-free multiphoton microscopy techniques to characterize the spatiotemporal patterns of disease progression and tissue repair processes. A major emphasis of his work is the use of two-photon excited fluorescence from metabolic cofactors (NADH and FAD), collagen second harmonic generation (SHG), fluorescence lifetime imaging (FLIM), and coherent anti-Stokes Raman spectroscopy (CARS) to establish quantitative optical biomarkers for a variety of diseases and conditions. Since joining the Department of Biomedical Engineering at the University of Arkansas, he has received funding through various agencies including the National Institute of Health, Department of Defense grants, and the NSF CAREER award. In his spare time, he enjoys tending to his garden, expanding his culinary skills, and a variety of outdoor activities.