BIOMEDICAL ENGINEERING SEMINAR SERIES

presents

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“Unconventional Applications of Conventional Imaging Methods"

Abstract: Knowledge of the architecture and function of blood vessels is crucial because the progression of pathologies ranging from Alzheimer’s disease to brain tumors involves abnormal blood vessels. The challenges in obtaining such data from patients, in conjunction with development of mouse models of such diseases, have made preclinical methods a powerful tool for imaging the vasculature. Moreover, as biomedical engineers we can exploit conventional imaging methods such as MRI, CT and optical imaging in novel ways to interrogate the role of the vasculature in disease progression. Therefore, this lecture will describe the development of unconventional applications of standard imaging methods, data visualization and computational approaches involving the blood vessels in preclinical disease models. Additional information on this research can be found at: www.pathaklab.org.

Please join us on

Monday, December 5, 2016
2:00-2:50 pm
Keating Bldg, Room 103

Host: Jane Mohler, PhD
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