The Robert M. Berne Cardiovascular Research Center Presents

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Cardiovascular 4D Ultrasound and Photoacoustic Murine Imaging

Noninvasive imaging has become vital for the detection and monitoring of cardiovascular disease progression, aiding in the development of therapeutics and devices. The research highlighted in this talk describes advancements at the interface of engineering and medicine in order to develop and use multiple imaging modalities to better understand cardiac and vascular disease in small animal models. Specifically, we have developed a 4D ultrasound and photoacoustic techniques to assess disease progression in 1) the left ventricles of control, infarcted, and hypertrophic mice and 2) the abdominal aortas of hyperlipidemic mice with angiotensin II-induced dissecting aneurysms.

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11:00 AM-12:00 PM
Zoom

Hosted by: Shayn Peirce-Cottler, PhD

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