

# Michigan Cardiovascular Innovation and Translation (M-CRIT) Workshop



Better devices, diagnostics, and therapies through an improved understanding of the cardiovascular system

**November 10 - 12, 2017**

North Campus Research Complex and North Campus Biomedical Engineering building, located at the University of Michigan in Ann Arbor, Michigan.

## Hands-on, Advanced, Interdisciplinary Education

A unique experience, taught by experts

The University of Michigan offers a hands-on workshop on novel technologies for translational cardiovascular research specifically geared towards the medical device industry and academia. An extraordinary opportunity to learn about cutting edge technologies for better cardiovascular device design, diagnostics and therapies, in a focused, interactive format, combining lectures and hand-ons laboratories.

The workshop is taught by a multi-disciplinary team of distinguished University of Michigan faculty working at the forefront of basic science, translational, and clinical cardiovascular research.

## Discover through laboratories

Instructed in hands-on laboratories and lectures, participants will gain firsthand knowledge on the latest trends in tissue engineering, animal models, cardiac mapping, computational modeling, minimally invasive procedures and imaging.

### YOU WILL LEARN

**5 laboratories** on endovascular interventions; cardiac mapping; patient-specific computational modeling; small animal MRI; and Histotripsy ultrasound.

**10 lectures** on electrophysiology, tissue engineering, drug delivery, vascular trauma, DVT, modeling, imaging, and medical devices.

**1 keynote lecture** on entrepreneurship in the cardiovascular field.

For more information, visit M-CRIT online at [www.m-crit.org](http://www.m-crit.org). Email us at [m-crit-info@umich.edu](mailto:m-crit-info@umich.edu). Follow us on twitter [@m\\_crit](https://twitter.com/m_crit).

### COURSE DIRECTORS



**C. Alberto Figueroa, PhD**  
Computational Modeling



**Daniel D. Myers, Jr., DVM, MPH, DACLAM**  
Deep Vein Thrombosis

### FACULTY



**Jonathan L. Eliason, MD**  
Vascular Trauma Management



**Lola Eniola-Adefeso, PhD**  
Targeted Drug Delivery



**Joan Greve, PhD**  
Small Animal MRI



**Elizabeth A. Jackson, MD**  
Wearables



**Jose Jalife, MD**  
Atrial Fibrillation



**Peter X. Ma, PhD**  
Tissue Engineering



**Francis D. Pagani, MD, PhD**  
Mechanical Circulatory Support



**David M. Williams, MD**  
Intravascular Ultrasound



**Zhen Xu, PhD**  
Histotripsy Ultrasound

### KEYNOTE SPEAKER



**Howard R. Levin, MD**  
Moving Novel Medical Therapies From Academics To Industry: One Person's Journey