RMB CVRC Seminar

The Robert M. Berne Cardiovascular Research Center Presents

Rong Wang, PhD

Professor at UCSF School of Medicine, Professor of Surgery
Director, Laboratory for Accelerated Vascular Research

Notch Signaling in Artery and Vein Programming and Reprogramming -- In vivo imaging in mouse model of Arteriovenous Malformation

Research in my lab is focused on Molecular Programming of Arteries and Veins in Health and Disease. We take a conditional mouse genetic approach to manipulating gene expression in vascular endothelial cell-specific and temporally controlled fashion. To evaluate blood vessel structures and functions, we use Nonlinear Microscopy to perform 5D imaging in live mice (3D vascular structure plus blood velocity over time), with an in-lab constructed two-photon microscope. These approaches are complemented with preclinical animal models of diseases, offering molecular insight into pathogenesis and therapeutic strategies.

Thursday November 30, 2017
11:00 AM-12:00 PM
MR5 3005

Hosted By: Shayn Peirce-Cottler, PhD
Refreshments Served