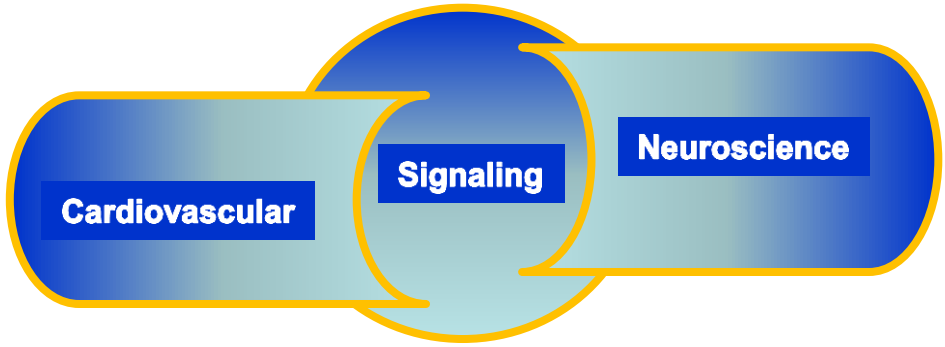

The Department of Pharmacology

Proudly Presents the Seminar Series:

Frontiers in Pharmacology

"Proteomic strategies to identify novel extracellular matrix biomarkers of cardiac injury"

Following myocardial infarction, the left ventricle (LV) responds by undergoing a series of changes that involve wall thinning, dilation, and infarct expansion; inflammation and necrotic myocyte resorption; and fibroblast accumulation and scar formation. Collectively, these events are referred to as LV remodeling. While LV remodeling is initially a compensatory response, the transition to adverse remodeling frequently culminates in the development of congestive heart failure (CHF), and CHF is a significant contributor to cardiovascular morbidity and mortality rates. This seminar will define LV remodeling, with particular emphasis on the inflammatory cell (macrophage) and enzyme (matrix metalloproteinase) dependent mechanisms that stimulate the extracellular matrix remodeling process to form the infarct scar.

Merry L. Lindsey, PhD.

Professor of Physiology and Medicine
The University of Mississippi
Director of the Mississippi Center for Heart Research at UMMC

Tuesday, April 15, 2014
4:00 pm
GBSF Auditorium
(Rm. # 1005)

Light refreshments will be served.

Host : Crystal Ripplinger
cripplinger@ucdavis.edu