The Robert M. Berne Cardiovascular Research Center Presents

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**Development of targeted nano particles for cardiac regeneration**

Despite recent declines in the incidence of myocardial infarction, it is responsible for one in six deaths in the US. About 34% of people who experience coronary attack will die from it. Although recent advances in cardiovascular therapeutics have resulted in the development of novel strategies that salvage myocardium and improve early mortality in patients with myocardial infarction, approaches directly targeting the healing process are lacking. Neurohormonal pharmacologic interventions, such as the administration of angiotensin-converting enzyme (ACE) inhibitors, β-blockers and aldosterone antagonists, are the only established therapeutic modalities that reduce adverse remodeling in patients with myocardial infarction. The goal of our laboratory is to identify suitable peptides that are specific for cells present in the remodeling infarcted heart that will facilitate targeted delivery of therapeutic agents.

**Thursday, November 13, 2014**
**11:00 AM-12:00 PM**
**MR5 1005**

Refreshments Served