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**Vulnerable plaque: quantification in vivo and role of endoplasmic reticulum stress**

The diagnosis of atherosclerotic plaque as “vulnerable” typically occurs after acute myocardial infarction (AMI) and often post mortem. We are developing imaging tools to quantify the thin fibrous cap and lipid core with the long-term goal of predicting the degree of vulnerability. We combine these imaging methods with the study of sarco-endoplasmic reticulum Ca$^{2+}$ signaling mechanisms that may regulate coronary smooth muscle proliferation and apoptosis, putative key events in AMI.

**Thursday, May 15, 2014**

4:00 PM - 5:00 PM
MR5 1041

Host: Gary K. Owens, Ph.D.

Refreshments Served