

**University of Kentucky Gill Heart Institute**  
**15th Annual Cardiovascular Research Day**  
**October 5, 2012**  
**Lexington Convention Center**  
**Bluegrass Ballroom 1**



**T32 Symposium**

**T32 Session 1**

**Moderators: Susan Smyth, MD, PhD and Donna Arnett, PhD**

- 8:30 Kyle Rector**  
*Genetic Screen Identifies Mir-218 and Slit2 as Negative Regulators of Hematopoietic Stem Cells*
- 8:45 Jenny Lutshumba**  
*Small Deletion from Smooth Muscle Cells Protects from Aortic Aneurysm*
- 9:00 Shaojing Ye**  
*Tomosyn, a Regulator of Platelet Secretion, is Essential for Hemostasis*
- 9:15 Nicki Baker**  
*Resveratrol Improves PCB77-induced Disruptions in Glucose Homeostasis in vitro and in vivo*
- 9:30 Joseph Layne**  
*Post-Translational Regulation of Group X secretory Phospholipase A2*
- 9:45 Break**

**T32 Session 2**

**Moderators: Lisa Cassis, PhD and Ivor Benjamin, MD**

- 10:15 Paul Mueller**  
*Functional Validation of a Polymorphism in PPAP2B that Associates with Coronary Artery Disease*
- 10:30 Nate Helsley**  
*HIV protease inhibitors activate PXR and induce dyslipidemia in mice*
- 10:45 Lindsay Carter**  
*Exercise during Pregnancy; Offspring Health Benefits*
- 11:00 Yuri Klyackin**  
*Bioactive Lipids and Cationic Antimicrobial Peptides As New Potential Regulators for Trafficking of Bone Marrow Derived Stem Cell In Patients With Acute Myocardial Infarction*
- 11:15 Catherine Kaminski**  
*Novel Regulators of Cardiac Hypertrophy: the RGK G Proteins*
- 11:30 Matthew Parker**  
*Tipping the balance between angiogenic and anti-angiogenic cues*