

**Physiology and Pharmacology Research Day 2010
Poster Competition Prize Winners**

Cancer

- First prize: **Linda Vi** (Dagnino) "Integrin-linked kinase is required for TGF β 1 induction of dermal fibroblast differentiation."
- Second prize: **Adrian Gunaratne** (Di Guglielmo) "Regulation of TGF β Receptor Trafficking and Signalling by Atypical Protein Kinase C Isoforms."

Cardiovascular/ Pulmonary

- First Prize: **Fuli Xiang** (Feng) "Cardiac Specific Over-expression of Membrane-Associated Human Stem Cell Factor Promotes Epicardial Activation post Myocardial Infarction."
- Second Prize: **Melissa Moey** (Karmazyn) "Ginsenosides from *Panax quinquefolius* (North American ginseng) attenuate leptin-induced neonatal ventricular cardiac hypertrophy through inhibition of the RhoA/ROCK and associated MAPK pathways."

Clinical Pharmacology

- First Prize: **Inna Gong** (Tirona, Kim) "Molecular Determinants of Warfarin Pharmacokinetics and Response."
- Second Prize: **Jari Tuomi** (Jones) "Ivabradine Hydrochloride, an I(f) Channel blocker, Terminates Junctional Ectopic Tachycardia in the Mouse."

Development/Reproductive/Stem Cell

- First Prize: **Aaron Cox** (Hill) "Involvement of Reg1 and GLP-1 in Beta Cell Regeneration revealed by Fetal Protein Restriction in Mice."
- Second Prize: **Zhi Feng** (Wang) "Improved β -cell proliferation and function in *c-Kit^{Wv/+};Fas^{lpr} double mutant mice*."

Signal Transduction

- First Prize: **Jessica Esseltine** (Ferguson) "RAB8 REGULATES GROUP I METABOTROPIC GLUTAMATE RECEPTOR INTRACELLULAR TRAFFICKING AND SIGNALLING"
- Second Prize: **Ting Zhang** (Feng) "Inhibition of Na⁺/K⁺ ATPase activity enhances myocardial tumor necrosis factor- α expression via Ca²⁺/CaMKII-dependent mTOR activation in endotoxemia: Role of PI3K/Rac1/NADPH oxidase pathway."

Molecular Physiology/Pharmacology

- First Prize: **Patrick Swan** (Cregan) "ATF4-CHOP regulate PUMA in ER stress-induced neuronal death."
- Second Prize: **Henry Dunn** (Ferguson) "ROLE OF PDZ-PROTEIN SAP97 IN CRF1 β & 5HT2a RECEPTOR TRAFFICKING AND SIGNALING."

