Abstracts submitted for the 2012-2013 Annual meeting
(In order of submission. Poster # will change for hanging on display panel)


2. The effects of K⁺ on skeletal muscle, synaptic transmission and the relationship with deep tissue injury of muscle. E. Burns, E.E. Dupont-Versteegden and R.L. Cooper


5. A modified Huxley-type model that simulates activation-dependent rates of tension recovery. Kenneth S. Campbell

6. Analyzing expression pattern's and correlation's for HSET, Survivin & Ki67 genes in ER, PR & HER2 Negative Breast Cancer Patient's. Shrikant Pawar, Vaishali Phannu and Ritu Aneja

7. The use of online review modules to prepare D.M.D. Students for Basic Science Courses. Cynthia J. Miller


12. Binding partners, motifs, and post-translational modifications of human Chmp1A protein. Maiyon Park

13. Investigation of potential relationship between epigenetic regulation of Chmp1A and its function in tumor suppression in pancreatic tumor cells. Maiyon Park, Sumanth Manohar, Matthew Harlow, Grace Nyiiro,
14. Dopamine’s influence on nervous system anatomy during juvenile development. D. Potts, J.S. Titlow and R.L. Cooper

15. Changes in calcium cycling and twitch in isolated unloaded cardiomyocytes at different temperature and transmural region. C.S. Chung and K.S. Campbell

16. Educating the public on the association between COPD and oxygen therapy. Tania Boyechko and R.L. Cooper


21. Vagus nerve promotes pulmonary fibrosis. N. Song, J. Liu, R. Perez, J. Yu

22. Right and left and vagus nerves regulate breathing synergistically. J. Liu, N. Song, M. Proctor, J. Yu


27. Pathology of two cypovirus variants in *Heliothis virescens* and *Campoletis sonorensis*. J.E. Noland, K. Ray, J. Deacutis, P. Houtz and B.A. Webb

28. RNA-binding motif protein 3 (RBM3) over-expression results in larger muscle fiber size in vivo and in vitro. Amy Confides, Andrew Judge, and Esther Dupont-Versteegden.


31. Epigenetic modification by miR-133a in the diabetic heart. C. Vishalakshi, Naira Metreveli, Suresh C. Tyagi, and Paras Kumar Mishra.


34. TRPA1-mediated damage sensing by the cochlear supporting cells. A.C. Vélez-Ortega, S. Maimaiti, R. Stepanyan, G.I. Frolenkov.


36. Epigenetic mechanism of atherosclerosis and hypertension in Hyperhomocysteinemia. Nithya Narayanan, Neetu Tyagi, Sebastian Pagni and Suresh C. Tyagi


39. Ouabain increase association between Na-K ATPase (Na-K) and NHE1 through N-terminal domain of Na-K. Syed J. Khundmiri.

40. Inhibition of MMPs protects hypertensive cerebropathy in dahl-salt sensitive rats. Anuradha Kalani, Sathnur Pushpakumar, Sourav Kundu, Pradip K Kamat Suresh C. Tyagi, Neetu Tyagi.

41. Effects of insulin on phenotypically-identified neurons of the nucleus tractus solitaries. C.B. Blake and B.N. Smith.


44. Abnormal QTc recovery following exercise identifies an LQT1 mutation that is insensitive to PKA. Daniel C. Bartos, John R. Guidicessi, Don E. Burgess, Michael J. Ackerman, and Brian P. Delisle.