

**2013 Abstracts, posters and presentations**

***\*\*patent Abstract***

Crofton A, DiNinni A, Delisser R, Dickson A, Head E, Kirsch W. Effects of Fibrillar and Oligomeric Abeta-42 Vaccination on Iron and Copper Levels in a Canine Model of Alzheimer's Disease. UC Riverside CGNI Conference. University of California Riverside. 2013

Japas D, Tan Q, Radhakrishnan VK, Helu X, De Leon DD. Insulinlike growth factor-2 (IGF-2) regulates progesterone receptors-A and -B in BT474 breast cancer cells. 13th Annual Health Disparities research Symposium. Loma Linda University, Loma Linda, CA. 2013

Jimenez L, Yellon SM. Structure changes in extracellular collagen and cell hypertrophy in prepartum remodeling of the cervix. Talk at University of Redlands. University of Redlands. 2013

Meza J, Tan Q, Radhakrishnan VK, Helu X, De Leon DD. Insulinlike growth factor-2 (IGF-2) activates progesterone receptors-A and -B in breast cancer cells. 13th Annual Health Disparities research Symposium. Loma Linda University, Loma Linda, CA. 2013

Nanda A, Custer M, Dobyms AE, Kirby MA, Yellon SM. The effects of early bilateral pelvic neurectomy on cervical remodeling in pregnant rats. Talk at University of Redlands. University of Redlands. 2013

Rodriguez M, Yellon SM. The Role of Immune Cells in cervical remodeling during gestation. Talk at University of Redlands. University of Redlands. 2013

**\*\*Rubalcava M and Wilson SM. Observing the Animals Around Us Summer Camp. Observing the Animals Around Us Summer Camp. San Bernardino, CA. 2013**

Sokolova AS, Dobyns AE, Beck HL, Kurtzman JT, Garfield RE, Yellon SM. Remodeling of the cervix with progesterone receptor antagonism progesterone withdrawal induced preterm birth. The Loma Linda University APC meeting. Loma Linda University, Loma Linda, CA. 2013

Vera Alfonso, Donovan Virginia, Obenaus Andre. Acute physiological and morphological alterations following single and repeated mild traumatic brain injury in a mouse model. 13th Annual Health Disparities research Symposium. Loma Linda University, Loma Linda, CA. 2013

Xing Weirong, Cheng Shaohong and Mohan Subburaman. Ectopic Expression of Human Leucine Rich Repeat Kinase 1 (hLRRK1) in Lrrk1 Knockout Osteoclast Precursors Rescues the Bone Resorption Defect in vitro by Modulating C-Terminal Src Kinase (Csk) Activity. ASBMR meeting. Baltimore, MD. 2013

### **2013 Publications**

Badaut J, Fuduka AM, Jullienne A, Petry KG, "Aquaporin and brain diseases," Biochim Biophys Acta. 2013

Blood AB, Terry MH, Merritt TA, Papamatheakis DG, Blood Q, Ross JM, Power GG, Longo LD, Wilson SM. Effect of chronic perinatal hypoxia on the role of rho-kinase in pulmonary artery contraction in newborn lambs. Am J Physiol Regul Integr Comp Physiol. 15;304(2):R136-46. 2013. PMID: 23152110; PMCID: PMC3543659.

Blood, A.B. M.H. Terry, J.M. Ross, G.G Power, L.D. Longo, and S.M. Wilson .Chronic perinatal hypoxia: pulmonary hypertension in newborn lambs by mechanisms independent of rho-kinase. American Journal of Physiology - Regulatory and Comparative Physiology. 304:R136-46. 2013

Fuentes T, Appleby N, Tsay E, Martinez JJ, Bailey L, Hasaniya N, and Kearns-Jonker M. Human Neonatal Cardiovascular Progenitors: Unlocking the Secret to Regenerative Ability. PLOS ONE. 2013

Fuduka AM, Adami A, Pop V, Bellone JA, Coats JS, Hartman RE, Ashwal S, Obenaus A, Badaut J. "Posttraumatic reduction of edema with aquaporin-4 RNA interference improves acute and chronic functional recovery" *J Cereb Blood Flow Metab.* 2013

Jutzy JMS, Khan S, Valenzuela MMA, Milford TM, Payne KJ, Wall NR, "Tumor-released Survivin induces a type-2 T cell response and decreases cytotoxic T cell function, in vitro." *Cancer Microenviron.* 6(1):57-68. 2013

Meharry M, Kwon SR, Chen JW. Comparison of alternate protocols for placing a sixth generation dental bonding agent. *Journal of Dental Materials.* 2013

Nie Y, Chen Y, Hurley RF, Bu Si-Si, Kim E, Knecht M, Plesiu G, Schneider J, Semotiuk A, Zubkov I, Shihadeh F, Schubert K, Koss P, Wroe A, and Schulte R (2013). Experimental System for Focal Irradiation of Small Animals with Narrow Proton Beams: System Design and Immunohistochemistry Verification. *Physics in Medicine and Biology.* 2013

Nold CJ, Yellon SM, Elovitz ME. Prevention of preterm birth by progestational agents: what are the molecular mechanisms. *Am J Obstet Gynecol.* 208(3):223.e1-7. 2013

Papamatheakis DG, Blood AB, Kim JH, and Wilson SM. Antenatal Hypoxia and Pulmonary Vascular Function and Remodeling. *Current Vascular Pharmacology.* 11(5):616-40. 2013

Papamatheakis D.G., M. Chundu, AB Blood, S.M. Wilson. Divergence in the etiology of pulmonary hypertension of the newborn due to pulmonary arterial pressure versus antenatal hypoxemia. Invited Review for *Pulmonary Circulation.* . 2013

Papamatheakis DG, Chundu M, Blood AB, Wilson SM. Prenatal programming of pulmonary hypertension induced by chronic hypoxia or ductal ligation in sheep. *Pulm Circ.* 3(4):757-80. 2013. PMID: PMC4070839.

Pop V, Sorensen DW, Kamper JE, Ajao DO, Murphy MP, Head E, Hartman RE, Badaut J. "Early brain injury alters the blood-brain barrier phenotype in parallel with  $\beta$ -amyloid and cognitive changes in adulthood," *J Cereb Blood Flow Metab.* 2013

Tong W, Xiong F, Li Y, Zhang L. "Hypoxia inhibits cardiomyocyte proliferation in fetal rat hearts via upregulating TIMP-4," *Am J Physiol Regul Integr Comp Physiol.* 2013

Xing W, Liu J, Cheng S, Vogel P, Mohan S, Brommage R. Targeted Disruption of Leucine-Rich Repeat Kinase 1 but not Leucine-Rich Repeat Kinase 2 in Mice Causes Severe Osteopetrosis. *JBMR.* (10.1002), 28 (9):1962-74. doi:. 2013

Zhu R, Hu XQ, Xiao D, Yang S, Wilson SM, Longo LD, Zhang L. "Chronic hypoxia inhibits pregnancy-induced upregulation of SKCa channel expression and function in uterine arteries," *Hypertension.* 2013

Zhou J, Xiao D, Hu Y, Wang Z, Paradis A, Mata-Greenwood E, Zhang L. "Gestational hypoxia induces preeclampsia-like symptoms via heightened endothelin-1 signaling in pregnant rats," *Hypertension.* 2013