

2015 Abstracts, posters and presentations

Adeoye OO, Silpanisong J, Kim D, Williams JD, Pearce WJ, "Hypoxic Remodeling of Fetal Cerebral Arteries Involves The NPY/Y1 Pathway." FASEB J. 2015

Dalisay AJS, McGovern KE, Nance JP, David CN, Worth D, Noor S, Wilson EH. "Study of 'Secreted Protein Acidic, Rich in Cysteine' (SPARC) During Immune Response to Toxoplasma." The 9th Annual Symposium for Undergraduate Research, Scholarship, and Creative Activity. UC Riverside, CA. (AJSD presented). 2015

Hubbell MH, Kim D, Thorpe RB, Silpanisong J, Pearce WJ, "Chronic Hypoxia Modulates Endothelial Influences on Smooth Muscle Phenotype in Fetal Cerebral Arteries." FASEB J. 2015

Kim D, Silpanisong J, Hubbell MH, Pearce WJ, "Arterial Smooth Muscle Proliferative Responses to ET-1 are Subject to Hypoxic Pre-conditioning in Term Fetal Lamb Arteries." FASEB J. 2015

McGovern KE, Nance JP, David CN, Worth D, Noor S, Wilson EH. "SPARC promotes efficient ECM network formation and T cell migration during Toxoplasma gondii infection." The 8th Annual Symposium on Glial-Neuronal Interactions in Health and Disease. UC Riverside, California. (KEM presented). 2015

McGovern KE, Nance JP, David CN, Worth D, Noor S, Wilson EH. "SPARC promotes efficient T cell migration during CNS infection." The 19th Annual Woods Hole Immunoparasitology Meeting. Woods Hole, Massachusetts. (KEM presented). 2015

McGovern KE, Nance JP, David CN, Worth D, Noor S, Wilson EH. "SPARC promotes efficient T cell migration during CNS infection." The 5th Annual Immunology LA Meeting. Los Angeles, CA. (KEM presented). 2015

Silpanisong J, Kim D, Williams JM, Adeoye OO, Thorpe RB, Pearce WJ. Chronic Hypoxia Alters the Response of Fetal Ovine Middle Cerebral Arteries to Endothelin-1 (ET-1)." FASEB J. 2015

Thorpe R, Pearce W, "Chronic Hypoxia Attenuates cGMP-dependent protein kinase (PKG)-Mediated Vasorelaxation by Depressing BK Potassium Channel Activity in Cerebral Arteries." FASEB J 2015.

Williams J, Adeoye OO, Pearce W, "Maturation Decreases Fractional Activation of Myosin Light Chain Kinase in Ovine Common Carotid Arteries." FASEB J. 2015

2015 Publications

Adeoye OO, Silpanisong J, Williams JM, Pearce WJ. Role of the sympathetic autonomic nervous system in hypoxic remodeling of the fetal cerebral vasculature. J Cardiovasc Pharmacol. 65(4):308-16. 2015. PMID: 25853949; PMCID: PMC4391294.

Badaut J, Ajao DO, Sorensen DW, Fukuda AM, Pellerin L. Caveolin expression changes in the neurovascular unit after juvenile traumatic brain injury: signs of blood-brain barrier healing? Neuroscience. 285:215-26. 2015. PMID: 25450954; PMCID: PMC4431593.

Blum-Johnston C, Thorpe RB, Wee C, Romero M, Brunelle AR, Blood Q, Wilson R, Blood AB, Francis M, Taylor MS, Longo LD, Pearce WJ, Wilson SM. Developmental acceleration of bradykinin-dependent relaxation by prenatal chronic hypoxia impedes normal development after birth. American Journal of Physiology: Lung Cellular and Molecular Physiology. 2015 Dec 4; ajplung.00340.2015

Gay MS, Li Y, Xiong F, Lin T, Zhang L, "Dexamethasone Treatment of Newborn Rats Decreases Cardiomyocyte Endowment in the Developing Heart through Epigenetic Modifications." PLoS One. PMID: 25923220. 2015

Harraz OF, Brett SE, Zechariah A, Romero M, Puglisi JL, Wilson SM, Welsh DG, "Genetic Ablation of CaV3.2 Channels Enhances the Arterial Myogenic Response by Modulating the RyR-BKCa Axis," Arterioscler Thromb Vasc Biol. PMID: 26069238. 2015

Hutchinson TE1, Zhong W1, Chebolu S1, Wilson SM2, Darmani NA, "L-type calcium channels contribute to 5-HT3-receptor-evoked CaMKII α and ERK activation and induction of emesis in the least shrew (*Cryptotis parva*)." Eur J Pharmacol. PMID: 25748600. 2015

Paradis AN, Gay MS, Wilson CG, Zhang L, "Newborn Hypoxia/Anoxia Inhibits Cardiomyocyte Proliferation and Decreases Cardiomyocyte Endowment in the Developing Heart: Role of Endothelin-1," PLoS One. PMID: 25692855. 2015

Khan S, Ferguson H, Turay D, Perez M, Mirshahidi S, Yuan Y, Wall NR, "Early diagnostic value of surviving and its alternative splice variants in breast cancer," BCM Cancer. PMID: 24620748. 2014

Tao X, Lin MT, Thorington GU, Wilson SM, Longo LD, Hessinger DA, "Long-term hypoxia increases calcium affinity of BK channels in ovine fetal and adult cerebral artery smooth muscle." Am J Physiol Heart Circ Physiol. PMID: 25599571. 2015