

2011

2011 Abstracts, posters and presentations

**** shows those that were award winning***

Adami A, Fukuda A, Ashwal A, Obenaus A, Badaut J, "RNA Interference against aquaporin 4 improves neurological outcome after juvenile traumatic brain injury." Society for Neuroscience. Washington, DC. 2011

Aruni W, Fletcher HM, "Epithelial cell invasion by Filifactor alocis is enhanced by Porphyromonas." Rochester Conference on Oral Biology: Post-Genomics for the Oral Microbiome. Rochester, NY. 2011

Cervantes M, Kurti S, "Developing an Oral Biofilm Model for future in vitro Studies." MARCU Summer Symposium at UCR. 2011

*Crofton A, Schrag M, Mueller C, Zabel M, Vinters H, Kirsch K. "Disruption of Copper Transport in Alzheimer's Disease." Annual Alumni Post Graduate Conference, Loma Linda University. 2011 (First Place poster)

Donovan V, Coats J, Badaut J, Wilson S, Huang L, Obenaus A, "Long-Term White Matter Changes in a Bilateral Model of Repetitive Mild Traumatic Brain Injury." National Neurotrauma Society, Fort Lauderdale, FL. 2011

Fletcher HM, "Survival skills: Porphyromonas gingivalis in the oral cavity." Jyung Hee University, Seoul, Korea. 2011

Hadley SR, Blood Q, Le P, Longo LD, Buchholz J, Papamatheakis DG, Smith GD and Wilson SM, "Ontogeny and High Altitude Influence CA2+ Sparks in Sheep Pulmonary Arterial Myocytes." American Federation for Medical Research, 2011 Western Regional Meeting. 2011

Hadley S, Blood Q, Le P, Papamatheakis DG, Longo LD, Buchholz JN, Wilson SM, "Combined influence of ontogeny and chronic hypoxia on ryanodine receptor function in sheep pulmonary arteries and myocytes." The FASEB Journal vol 25, 1034.1038. 2011

Jackson N, Khan S, Wall NR, "Mechanism of Survivin Uptake in Cancer Cells." Center for Health Disparities Research and Molecular Medicine, Loma Linda University. 2011

Jaramillo DE, "Disinfection of the Root Canal System. PUI, Conventional and PIPS Techniques." American Association of Endodontics Meeting, San Antonio, TX. 2011

Jaramillo DE, "Microbiological Implications on Dental Implant and Root Canal Treatment Failures," American Association of Endodontics Meeting, San Antonio, TX. 2011

Jaramillo DE, "Efficacy of PIPS (Photon Induced Photoacoustic Streaming) for root canal disinfection." European Society of Endodontology, Rome, Italy. 2011

Jaramillo DE, "Microbiological Implications on Dental Implant and Root Canal Treatment Failures." European Society of Endodontology, Rome, Italy. 2011

Jaramillo DE, "Disinfection of the Root Canal System. PUI, Conventional and PIPS Techniques." Meeting of Specialist in Dentistry. Cd. Juarez, Mexico. 2011

Jaramillo DE, "Efficacy of PIPS (Photon Induced Photoacoustic Streaming) for root canal disinfection." Microbiological Implications on Dental Implant and Root Canal Treatment Failures Ecuadorian Meeting Of Endodontics. Quito, Ecuador. 2011

Jaramillo DE, "Microbiological Implications on Dental Implant and Root Canal Treatment Failures." Advanced program in Endodontics, Specialty program USC, School of Dentistry. Los Angeles, Ca. 2011

Jaramillo DE, "Microbiological Implications on Dental Implant and Root Canal Treatment Failures." Advanced program in Endodontics, Veterans Affairs Hospital, Long Beach, Ca. 2011

Kothari V, Zhang X, Lau KH, Baylink DJ, Das A, "Cellular and Molecular Mechanisms of Accelerated Fracture Healing By Cox-2 Gene Therapy. Studies In A Multiple Fracture Mouse Model." The annual meeting of American Society for Bone and Mineral Research (ASBMR). 2011

Kurtzman J, Hailey B, Dobyns A, Garfield RE, Yellon S, "Progesterone receptor blockade mediates inflammatory cervical remodeling prompting preterm birth irrespective of systemic progesterone levels in a small animal model." 31st Annual Society Maternal Fetal Medicine, San Francisco, CA , 481; Amer J Obstet Gyn 204 (Suppl 1): S193, 2011

Lumbard B, Blood Q, Waskel E, Paez R, Rubalcava M, Longo LD, Wilson SM, "The myoendothelial junction is a communication pathway from endothelial to pulmonary arterial smooth muscle cells via holes in internal elastic lamina." Center for Health Disparities Research and Molecular Medicine, Loma Linda University. 2011

Lumbard, B, Waskel E, Paez R, Blood Q, Rubalcava M, Longo LD, Wilson SM, "Myoendothelial Junction Formation is Restricted in Pulmonary Arteries of Fetal Sheep." The FASEB Journal (submitted). For experimental Biology. 2011

Meng X, Neises A, Lau KH, Baylink DJ, Zhang X, Transdifferentiation of Hematopoietic Stem Cells into Mesenchymal Stem Cells for Use in Bone Regeneration." The annual meeting of American Society for Bone and Mineral Research (ASBMR). 2011

Nie Y, Chen Y, Hurley RF, Abrahams L, Semotiuk A, Plesiu G, Zubkov I, Shihadeh F, Schubert KE, Wroe A, Schulte R, "Immunohistochemical Verification of Stereotactic Proton Radiosurgery Targeting Accuracy in the Rat Brain." International Congress of Radiation Research, Warsaw, Poland. 2011

Pearce WJ, "Functional Maturation of the Fetal Vasculature: A Tale of Calcium, Myosin, VEGF, and miRNA." Delivered to the Department of Physiology of Case Western Reserve University. 2011.

Pearce WJ, "Maternal Food Restriction Increases Offspring Vulnerability To Ischemic Cerebrovascular Injury." Society for Gynecological Investigation Annual Meeting, Miami, FL. 2011

Pearce J William, "VEGF-Induced Age-Dependent Contractile Protein Gradients in Ovine Carotid Arteries." Society for Experimental Biology Annual Meeting, Washington, D.C. 2011

Sheng MH, Zhou XD, Lau KH, Bonewald L, Baylink DJ, "Conditional knockout of IGF-I in osteocytes surprisingly accelerates fracture repair." The annual meeting of American Society for Bone and Mineral Research (ASBMR). 2011

Sheng MH, Lau KH, Zhou XD, Bonewald L, Baylink DJ, "Osteocyte-derived IGF-I functions as a portion of the circuitry for normal loading activation response in osteoblasts: Data from osteocytes IGF-I conditional knockout mouse." The annual meeting of American Society for Bone and Mineral Research (ASBMR). 2011

Wilson SM, Yellon SM, Longo LD, "New Advanced Imaging and Microscopy Core Facility at Loma Linda University." Annual Alumni Post Graduate Conference, Loma Linda University. 2011

*Zabel M, Schrag M, Crofton A, Vinters HV, Kirsch WM. "Switch in β -amyloid clearance mechanisms leads to microvascular fragility in Alzheimer's disease with Cerebral Amyloid

Angiopathy." Annual Alumni Post Graduate Conference, Loma Linda University. 2011 (Second Place poster)

Zhou XD, Lau KH, Bonewald L, Baylink DJ, Sheng MH, "Evidence that osteocytes elaborate endocrine regulation of internal organ size: data from the osteocytes IGF-I conditional knockout mice." The annual meeting of American Society for Bone and Mineral Research (ASBMR). 2011. Both an oral and poster presentation.

2011 Publications

Aruni AW, Roy F, Fletcher HM, "Filifactor alocis has virulence attributes that can enhance its persistence under oxidative stress conditions and mediate invasion of epithelial cells by Porphyromonas gingivalis." Infect. Immu. 79:3872-86. 2011

Butler SM, Abrassart JM, Hubbell MC, Adeoye O, Semotiuk AM, Williams JM, Mata-Greenwood E, Khorram O, Pearce WJ, "Contributions of VEGF to age-dependent transmural gradients in contractile protein expression in ovine carotid arteries." American Journal of Physiology, Cell Physiology 301:C653-66. PMID: 21653901. 2011

Goyal R, Papamatheakis DG, Loftin M, Vrancken K, Dawson AS, Osman NJ, Blood AB, Pearce WJ, Longo LD, and Wilson SM, " Long-term maternal hypoxia: the role of extracellular Ca²⁺ entry during serotonin-mediated contractility in fetal ovine pulmonary arteries." Reprod Sci. 18: 948-962. 2011

Olivi, G, Crippa R, Laria G, Kaitsas V, Divito E, "Laser in Endodontics" (Part II), Roots International Magazine of Endodontology. Vol. 7. Issue 2 pp6-12. 2011

Papamatheakis DG, Vemulakonda S, Blood Q, Goyal R, Rubalcava M, Vrancken K, Bennett A, Dawson A, Osman NJ, Blood AB, Pearce WJ, Longo LD, and Wilson SM, "Preservation of

serotonin-mediated contractility in adult sheep pulmonary arteries following long-term high-altitude hypoxia." *High Alt Med Biol.* 12: 253-264. 2011

Pearce WJ, "Epigenetics: An Expanding New Piece of the Stroke Puzzle." *Trans Stroke Res* 2:243–247. PMID: 21987632. 2011

Pearce WJ, Butler SM, Abrassart JM, Williams JM, "Fetal Cerebral Oxygenation: The Homeostatic Role of Vascular Adaptations to Hypoxic Stress." *Adv Exp Med Biol* 701:225-32. PMID: 21445791. 2011

Schrag M, Crofton A, Zabel M, Jiffry A, Kirsch D, Dickson A, Wen Mao X, Vinters HV, Domaille D, Chang CJ, Kirsch W, "The effect of cerebral amyloid angiopathy on iron, copper and zinc in Alzheimer's disease," *J Alzheimer Dis.* 24:137-49. 2011

Tong W, Xue Q, Li Y, Zhang LB, "Maternal hypoxia alters matrix metalloproteinase expression patterns and causes cardiac remodeling in fetal and neonatal rats." *Am J Physiol Heart Circ Physiol.* 301: H2113-21. PMID: 21856922. 2011

Xiao D, Huang X, Yang S, Zhang LB, " Antenatal nicotine induces heightened oxidative stress and vascular dysfunction in rat offspring." *Br J Pharmacol.* 164:1400-9. PMID: 21777225. 2011

Yellon SM, Oshiro BT, Chhaya TY, Lechuga TJ, Dias RM, Burns AE, Force L, Apostolakis EM, "Remodeling of the cervix and parturition in mice lacking the progesterone receptor B isoform." *Biol Reprod* 85: 498-502. 2011