

2022 Abstracts and Posters

- Clarissa Do, Desy Carreon, James Williams, William Pearce. “Chronic Hypoxia Acts Through Myocardin to Promote Mitochondrial Translocation in Fetal Cerebrovascular Smooth Muscle.” 2022 Health Disparities Summer Research Poster Presentations. Loma Linda, CA. 2022
- Abdala, S. A., R. Nalin, L. R. Brand, and A.V. Chadwick. “Extremely widespread beds generated in a low-gradient, flood-dominated coastal plain (mid-Triassic Moenkopi Formation, SW Utah and NW Arizona, USA).” AGU fall meeting, Chicago, IL. 2022
- Katherine Granados, Jennifer Tran, Qianwei Tan, Alfonso Durán, Frankis Almaguel, Daisy De León. “Differential Effects of IGF-II on the Regulation of Magmas, a Protein Controlling Mitochondrial Import in Breast Cancer Cells.” 2022 Health Disparities Summer Research Poster Presentations. Loma Linda, CA. 2022
- Evelyn Sanchez-Hernandez, Jazmine Chism, Greisha Ortiz-Hernandez, Pedro Ochoa, Carlos Casiano. “Contribution of the Ledge LEDGF/p75 – Glucocorticoid Receptor Interaction to Prostate Cancer Chemoresistance.” 2022 Health Disparities Summer Research Poster Presentations. Loma Linda, CA. 2022
- Grace Williamson, Tessa Levin, Dylan Ang, Madison Boskind, Michelle Chan, Rucha Juarez, Lubo Zhang, Jose Puglisi, Sean Wilson. “TRPML Channel Activation and Recovery of Ca²⁺ Signals in Pulmonary Arterial Myocytes of Fetal and Adult Sheep Disrupted by Long Term Hypoxia.” 2022 Health Disparities Summer Research Poster Presentations. Loma Linda, CA. 2022
- Clarissa Do, Desy Carreon, James Williams, William Pearce. “Chronic Hypoxia Acts Through Myocardin to Promote Mitochondrial Translocation in Fetal Cerebrovascular Smooth Muscle.” 2022 Health Disparities Summer Research Poster Presentations. Loma Linda, CA. 2022
- *Angel Saenz, Giancarlo Valdez, Christian Yoo, Alfonso Durán, Daisy De Leon, Frankis Almaguel. “Synergistic Effect of Noel Magmas Inhibitor BT#9 in Sensitizing TNBC Cells to Doxorubicin.” 2022 Health Disparities Summer Research Poster Presentations. Loma Linda, CA. 2022
- Navaeh Gutierrez, Krystal Santiago, Alfonso Duran, Carlos Casiano, Frankis Almaguel. “Enolase-1 as a Novel Theranostics target for Neuroendocrine Prostate Cancer.” 2022 Health Disparities Summer Research Poster Presentations. Loma Linda, CA. 2022
- Perla Ontiveros-Ángel, Vivianna De León-Williams, Arianna De León-Williams, Timothy Simon, John Lou, Johnny Figueroa. “Neuropathological Correlates Linking Early-Life Stress to Disordered Eating and Obesity.” 2022 Health Disparities Summer Research Poster Presentations. Loma Linda, CA. 2022

2022 Publications

- Sanchez-Hernandez ES, Ortiz-Hernandez GL, Ochoa PT, Reeves M, Bizzaro N, Andrade LEC, Mahler M, Casiano CA. The Nuclear Dense Fine Speckled (DFS) Immunofluorescence Pattern: Not All Roads Lead to DFS70/LEDGFp75. *Diagnostics* (Basel). 2023 Jan 7;13(2):2022. doi: 10.3390/diagnostics13020222. PMID: 36673033; PMCID: PMC9858485.
- Licero Campbell J, Serrano-Illàn M, Descorbeth M, Cordero K, Figueroa JD, De León M. Fatty Acid-Binding Protein 4 Inhibition Promotes Locomotor and Autonomic Recovery in Rats following Spinal Cord Injury. *J Neurotrauma*. 2022 Aug;39(15-16):1099-1112. doi: 10.1089/neu.2021.0346. PMID: 35297679; PMCID: PMC9347423.
- Hillman TC, Idnani R, Wilson CG. An Inexpensive Open-Source Chamber for Controlled Hypoxia/Hyperoxia Exposure. *Front Physiol*. 2022 Jul 12;13:891005. doi: 10.3389/fphys.2022.891005. eCollection 2022. PMID: 35903067.
- Song R, Dasgupta C, Mulder C, Zhang L, “MicroRNA-210 Controls Mitochondrial Metabolism and Protects Heart Function in Myocardial Infarction.” *Circulation*. 2022. PMID: 35296158.
- Licero Campbell J, Serrano-Illàn M, Descorbeth M, Cordero K, Figueroa JD, De León M, “Fatty Acid-Binding Protein 4 Inhibition Promotes Locomotor and Autonomic Recovery in Rats following Spinal Cord Injury.” *Journal of Neurotrauma*. 2022. PMID: 35297679.
- Ahmed ASI, Sheng MHC, Lau KW, Wilson SM, Wongworawat MD, Tang X, Ghahramanpouri M, Nehme A, Xu Y, Abdipour A, Zhang XB, Wasnik S, Baylink DJ, “Calcium released by osteoclastic resorption stimulates autocrine/paracrine activities in local osteogenic cells to promote coupled bone formation.” *American Journal of Physiology-Cell Physiology*. 2022. PMID: 35385325.
- Reid C, Romero M, Chang SB, Osman N, Puglisi JL, Wilson CG, Blood AB, Zhang L, Wilson SM, “Long-Term Hypoxia Negatively Influences Ca²⁺ Signaling in Basilar Arterial Myocytes of Fetal and Adult Sheep.” *Frontiers in Physiology*. 2022. PMID: 35115953.
- Bull BS, Hay KL, Herrmann PC, “Fibrin Strands Will Grow from Soluble Fibrin and Hang Up in an In Vitro Microcirculatory Viscoelastic Model: Is This a Major Cause of COVID-19 Associated Coagulopathy?” *Journal of Clinical Medicine*. 2022. PMID: 35456177.
- Reznik SE, Vazquez B, Janku C, Chan S, Dickinson G, Dar P, Yellon SM, “Histomorphological Approach to Establish a Signature of Cervix Ripening In

Women.” *Society for Reproductive Investigation*, Denver, CO. *Reproductive Science* 29 (Suppl1): F-16, 2022.

- Hu, X. Q., Song, R., Dasgupta, C., Romero, M., Juarez, R., Hanson, J., Blood, A. B., Wilson, S. M., & Zhang, L. (2022). MicroRNA-210-mediated mitochondrial reactive oxygen species confer hypoxia-induced suppression of spontaneous transient outward currents in ovine uterine arteries. *British journal of pharmacology*, 10.1111/bph.15914.