Midland College Instructor Vitae: Maira Carrillo

Education

- Master of Business Administration, University of Texas Permian Basin, 2026
- Ph.D. Molecular Biology, University of North Texas, 2012
- B.S. Biology (minor in Chemistry), University of Texas of the Permian Basin, 2004

Teaching Experience

- Associate Professor/DC Liaison Midland College, August 2025 – Present
- Dean of Math and Science, Midland College, August 2023 – 2025
- Chair of Natural Sciences/Associate Professor, Dickinson State University, August 2022 – 2023
- Full Professor, Odessa College, June 2021 – 2022
- Associate Professor II, Odessa College, September 2018 – 2021
- Senior Research Associate, Texas Tech University Health Science Center – Permian Basin Campus, Dec. 2016 - Sept. 2018
- Research Associate, Texas Tech University Health Science Center – Permian Basin Campus, June 2015 – December 2016
- Postdoctoral Fellow in the Department of Cardiology, University of Washington in the laboratory of José López at Bloodworks Northwest (Formerly: Puget Sound Blood Center), June 2012 – October 2014

Professional Publication

- Mary Wallingford, Christopher Mallery, Maira Carrillo, et. al. Placental Review of Stem Cells, Current Stem Cell Reports, in progress 2021
- Kushal Gandhi, Paula Gutierrez, John Garza, Taylor J. Gray Wlazlo, Rebecca J. Meiser, Samuel David, Maira Carrillo, Madhusudhanan Narasimhan, Michael Galloway, Gary Ventolini, Vaginal Lactobacillus species and inflammatory biomarkers in pregnancy, Minerva Ginecologica 2020
- Rebecca L. Wilson Kathryn Owens, Emily K. Sumser, Matthew V. Fry, Kendal K. Stephens, Marcel Chuecos, Maira Carrillo, Natalia Schlabritz-Lutsevich, Helen N. Jones, Nanoparticle mediated increased insulin-like growth factor 1 expression enhances human placenta syncytium function, Placenta2020
- Maira Carrillo, Ph.D., Marcel Chuecos, B.S., Kushal Gandhi, Ph.D., Andrey Bednov, Ph.D., David Lee Moore, M.D., James Maher, M.D., Gary Ventolini, M.D., Guangchen Ji, Ph.D., and Natalia Schlabritz-Loutsevitch, M.D., Ph.D., Optical Tissue Clearing in Combination with Perfusion and Immunofluorescence for Placental Vascular Imaging., Medicine 2018
- Natalia Schlabritz-Loutsevitch, Maira Carrillo, Cun Li, Peter, Christopher Maguire, James Maher, Edward J. Dick Jr., Gene Hubbard and Jerzy Stanek. A First Case of Hepatocellular Carcinoma in the baboon (Papio spp) Placenta. Journal of Medical Primatology. Currently under review 2018

- Kushal Gandhi, Cun Li, Nadezhda German, Cezary Skobowiat, Maira Carrillo, Raja Reddy Kallem,Eneko Larumbe, Stacy Martinez, Marcel Chuecos, Gary Ventolini, Peter Nathanielsz and Natalia Schlabritz-Loutsevitch, Effect of Maternal High-Fat Diet on Key Components of the Placental and Hepatic Endocannabinoid System, American Journal of Physiology-Endocrinology and Metabolism, In press Nov 2017
- Heloise Labuschagne, Charles Burns, Stacy Martinez, Maira Carrillo, Melissa Waggoner, Irene Schwanninger, James Maher, R. Moss Hampton, Javier Flores-Guardado, Natalia Schlabritz-Loutsevich, Coccidioidomycosis in Pregnancy: Case Report and Literature Review of Associated Placental Lesions. Journal of Case reports in Women's Health, Oct 12:5-10. 2016.
- Natalia Schlabritz-Loutsevich, Anthony G. Comuzzie, Michael Mahaney, Gene B. Hubbard, Edward J.Dick, M. Kocak, Sonali Gupta, Maira Carrillo, Mauro Schenone, Arnold Postlethwaite, Andrzej Slominski. Serum Vitamin D Concentration in Baboons (Papio spp.). Comparative Medicine, Apr;16(2):137-42. 2016.
- C.S. Mallery, M.M.Carrillo, Coral Glow, a case study of sex-linkage in the Ball Python, Python regius(Serpentes: Boidae), with insights into sex determination in Henophidia. Phyllomedusa, 15:29-42, 2016.
- Seongcheol Kim, Maira Carrillo, Uvaraj Radhakrishnan, Pudur Jagadeeswaran, Role of thrombocyte and non-thrombocyte microparticles in hemostasis, Blood, Cells, Molecules and Disease, Mar 15; 48(3): 188-96. 2011.
- Pudur Jagadeeswaran, Maira Carrillo, Uvaraj Radhakrishnan, Rajpurohit Surendra, Seongcheol Kim,Laser-Induced Thrombosis in Zebrafish, Methods in Cell Biology Vol 101, Chapter 9; 197-203, 2010.
- Maira Carrillo, Seongcheol Kim, Surendra Rajpuohit, Vrinda Kulkarni, Pudur Jagadeeswaran, Zebrafish von Willebrand factor, Blood, Cells, Molecules, and Disease, Dec 15; 24 (4): 326-33, 2010.
- Seongcheol Kim, Maira Carrillo Vrinda Kulkarni, Pudur Jagadeeswaran, Evolution of primary hemostasis in early vertebrates, PLoS One, Dec 23; 4 (12): e8403, 2009.
- Pudur Jagadeeswaran, Vrinda Kulkarni, Maira Carrillo, Seongcheol Kim, Zebrafish: from hematology to hydrology, Journal of Thrombosis and Haemostasis 5(1), 2007.
- Jennifer I. Chavez, Maira M Carrillo, Kyle A Beran, Isomers of C20: An energy profile III, Journal of Computational Chemistry 25(3), 2003.

Professional Presentations and Conferences

- Maira Carrillo, Iram P. Rodriquez-Sanchez, Josee Guindon, Marco Ruiz, M. Elizabeth Tejero, Gene Hubbard, Laura E. Martinez-de-Villarreal, Hugo A. Barrera Saldaña, Edward Dick, Anthony G.Commuzzie, and Natalia E. Schlabritz-Loutsevitch. The Evolutionary Approach to Cannabinoid Receptors Structure. Association for Medical Education and Research in Substance Abuse (AMERSA).Washington, D.C, 2016.
- Maira Carrillo, Cun Li, Cezary Skobowiat, Gary Ventolini, Marcel Chuecos, Patrick Joseph, Edward Dick, Gene Hubbard, Peter Nathanielsz, Natalia Schlabritz-Loutsevitch. Gender-Specific Placental Expression of Cannabinoid Receptor One (CB1R) in Baboon Model of Obesity. Sex- and Gender-Based Medicine & Women's Health Symposium. Lubbock, TX, 2016.
- Maira Carrillo, Cun Li, Cezary Skobowiat, Gary Ventolini, Marcel Chuecos, Patrick Joseph, Edward Dick, Gene Hubbard, Peter Nathanielsz, Natalia Schlabritz-Loutsevitch.

Gender-Specific Placental Expression of Cannabinoid Receptor One (CB1R) in Baboon Model of Obesity. International Federation of Placenta Associations (IFPA). Portland, OR, 2016.

- Maira Carrillo, JM, Gary Ventolini, Ailena Mulkey, Moss Hampton and Natalia Schlabritz-Loutsevitch.
- Perfusion of Human Placenta as a Model of Vascular Research. Sex- and Gender-Based Medicine & Women's Health Symposium. Lubbock, TX, 2015.

Awards and Honors

- Co-Investigator (PI Dr. Henderson/Dr. Schlabritz): Laura Bush Institute collaborative grant 2015"Development of Fetal Gender-specific Therapy, Targeting Placental Glutathione (GSH) Antioxidant System in Maternal Obesity and Alcohol Consumption." $25,000.00 USD
- November 2012-2014 NIH Postdoctoral training grant University of Washington department of Cardiology
- November 2016 Travel award from Association for Medical Education and Research in Substance Abuse (AMERSA) and Center for Substance Abuse Treatment (CSAT) meeting in Washington DC in November
- September 2016 Awarded NIH travel grant to International Federation Placenta Associations (IFPA)meeting in Portland Oregon