

Midland College Faculty Vitae

Name:

Maira Carrillo

Names of all higher education institutions attended, with degrees earned:

- January 2006 – May 2012 Ph.D. Molecular Biology University of North Texas
- August 2000 – Fall 2004 B.S. Biology (minor in Chemistry) University of Texas of the Permian Basin

All previous teaching positions, including the names of the institutions, the position, and beginning and ending dates of employment:

- August 2023- Present Dean of Math and Science at Midland College
- August 2022 – 2023 Chair of Natural Sciences/Associate Professor at Dickinson State University
- June 2021 – 2022 Full Professor at Odessa College
- September 2018 – 2021 Associate Professor II at Odessa College
- December 2016 – September 2018 Senior Research Associate at Texas Tech University Health Science Center – Permian Basin Campus
- June 2015 – December 2016 Research Associate at Texas Tech University Health Science Center – Permian Basin Campus
- June 2012 – October 2014 Postdoctoral Fellow in the Department of Cardiology at the University of Washington in the laboratory of José López at Bloodworks Northwest (Formerly: Puget Sound Blood Center)
- January 2006 – May 2012 Teaching Assistant at the University of North Texas

Significant professional publications related to the teaching position, with a full citation for each:

- August 2023- Present Dean of Math and Science at Midland College
- August 2022 – 2023 Chair of Natural Sciences/Associate Professor at Dickinson State University
- June 2021 – 2022 Full Professor at Odessa College
- September 2018 – 2021 Associate Professor II at Odessa College
- December 2016 – September 2018 Senior Research Associate at Texas Tech University Health Science Center – Permian Basin Campus

- June 2015 – December 2016 Research Associate at Texas Tech University Health Science Center – Permian Basin Campus
- June 2012 – October 2014 Postdoctoral Fellow in the Department of Cardiology at the University of Washington in the laboratory of José López at Bloodworks Northwest (Formerly: Puget Sound Blood Center)
- January 2006 – May 2012 Teaching Assistant at the University of North Texas

Professional Presentations and Conferences:

- Rebecca L. Wilson, Jennifer A. Courtney, Kathryn Owens, Marcel Chuecos, Maira Carrillo, Natalia Schlabritz-Lutsevich, Helen N. Jones. Polymer-based, biodegradable nanoparticles for the treatment of placental dysfunction. Annual Scientific Meetings of Endocrine Society of Australia (ESA) and Society for Reproductive Biology (SRB). Sydney, Australia 2018
- Vanessa Montoya-Urbe¹, Kushal Gandhi, Stacy Martinez, Marcel Chuecos, Maira Carrillo, Irám Rodríguez-Sánchez, and Natalia Schlabritz-Lutsevich. Characterization of CB1R Isoforms in Fetal and Maternal Tissues in a Baboon (*Papio spp.*) Model. International Cannabinoid Research Society (ICRS). Leiden, Netherlands 2018
- Kushal Gandhi, Maira Carrillo, Stacy Martinez, Cathy Perez, Edward Dick and Natalia Schlabritz- Lutsevich. Hepatic endocannabinoid system (ECS) in common marmosets (*Callithrix jacchus*). International Cannabinoid Research Society (ICRS). Leiden, Netherlands 2018
- Katherine Shreyder, Maira Carrillo, James Maher, Natalia Schlabritz-Lutsevitch. Maternal Obesity is Associated with Altered Cardiovascular Remodeling During Pregnancy. Joint Hypertension 2018 Scientific Sessions AHA Council on Hypertension AHA Council on Kidney in Cardiovascular Disease American Society of Hypertension. Chicago, ILL 2018
- Maira Carrillo, Marcel Chuecos, Kushal Gandhi, Andrey Bednov, David Lee Moore, James Maher, Guangchen Ji, Natalia Schlabritz-Lutsevitch. Center of excellence for Translational Neuroscience and Therapeutics 3Rd Annual Symposium. Lubbock, TX, 2018
- Abraham, Al-Ahmed, Samuel David, Maira Carrillo, Jay English, Stacy Martinez, Gary Ventolini, Natalia Schlabritz-Lutsevitch. Cannabinoid-Receptors Mediated Regulation of Long-Chain Poly- Unsaturated Fatty Acid (LC-PUFA) Transporter (MSFD2A) in Placental and Blood-Brain (BBB) Barriers. Society for Reproductive Investigation 65th Annual Scientific Meeting. San Diego, CA, 2018
- Kushal Gandhi, Cun Li, Marcel Chuecos, Maira Carrillo, Gary Ventolini, Peter Nathanielsz, and Natalia Schlabritz-Lutsevich. Maternal Nutrient Restriction Augments Fetal Cortical Endocannabinoid 2- Arachidonoylglycerol (2-AG) Pathway. Society for Reproductive Investigation 65th Annual Scientific Meeting. San Diego, CA, 2018

- Katherine Shreyder MD PhD, Maira Carrillo PhD, James Maher MD, Natalia Schlabritz-Lutsevich MD PhD. Serum Leptin and TNF α Levels in Relation to Systolic and Diastolic Heart Function in Obese and Normal-overweight Pregnant. First Trimester Data. Basic Cardiovascular Sciences Scientific Sessions. San Antonio, TX, 2018.
- Kushal Gandhi, Cun Li, Marcel Chuecos, Maira Carrillo, Charles Burns, Moss Hampton, Peter Nathanielsz, and Natalia Schlabritz-Lutsevich. Maternal and Fetal hepatic endogenous cannabinoids response to maternal high fat diet. International Cannabinoid Research Society (ICRS). Montreal, Canada, 2017.
- Vanessa Montoya, Kushal Gandhi, Stacy Martinez, Marcel Chuecos, Maira Carrillo, and Natalia Schlabritz-Loutsevitch. Characterization of CB1R Isoforms in Fetal and Maternal Tissues in a Baboon (Papio SPP.) Model. Endocannabinoid meeting. International Cannabinoid Research Society (ICRS). Montreal, Canada, 2017.
- Marcel Chuecos, BS, Cun Li, MD, Stacy Martinez, MS, Kushal Gandhi, PhD, Maira Carrillo, PhD, Moss Hampton, MD, Suraparaju Raju, MB BS, Gary Ventolini, MD, Peter Nathanielsz, MD, PhD and Natalia Shlabritz-Loutsevitch, MD, PhD. Baboon Placental Endocannabinoid Responses to Maternal High Fat Diet. Society of Reproduction Investigation (SRI). Orlando, FL, 2017.
- Maira Carrillo, Iram P. Rodriguez-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.
- Cassidy Taylor, Maira Carrillo, Stacy Martinez, Cezary Skobowiat, Marcel Chuecos, James Maher, Gene Hubbard, Edward Dick, Gary Ventolini, Moss Hampton and Natalia Schlabritz-Loutsevich. Hepatic and Placental Endocannabinoid System (ECS) in Maternal Obesity. Center of Excellence for Translational Neuroscience and Therapeutics (CTNT). Lubbock, TX, 2016.
- Marcel Chuecos, Maira Carrillo, Stacy Martinez, Cezary Skobowiat, Cassidy Taylor, James Maher, Gene Hubbard, Edward Dick, Gary Ventolini, Moss

Hampton and Natalia Schlabritz-Loutsevich. Hepatic and Placental Endocannabinoid System (ECS) in Maternal Obesity. Society of Reproduction Investigation (SRI). Montreal, Canada, 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.
- Stacy Martinez CT, Marcel Chuecos, Maira Carrillo, James Maher, Gene Hubbard, Edward Dick, Gary Ventolini, Moss Hampton, and Natalia Schlabritz-Lutsevich. Hepatic and Placental Endocannabinoid System (ECBS) in Maternal Obesity. Sex- and Gender-Based Medicine & Women's Health Symposium. Lubbock, TX, 2015.
- Marcel Chuecos, Maira Carrillo, and Natalia Schlabritz-Loutsevich. Inter-Observer Comparison of the Computer-Assisted Imaging Algorithms for Histomorphometric Quantification. Sex- and Gender-Based Medicine & Women's Health Symposium. Lubbock, TX, 2015.
- Irene Schwaninger, Stacy Martinez, Maira Carrillo and Javier Flores-Guardado. DNA Extraction from Soil in the Frame Work of Gender-Specific Environmental Exposure to the Coccidioides spp. Sex- and Gender-Based Medicine & Women's Health Symposium. Lubbock, TX, 2015.
- Maira Carrillo, Seongcheol Kim, Pudur Jagadeeswaran. Zebrafish as a Model for von Willebrand Disease, 2nd Annual Animal EcoPhysiology Workshop in Valle de Bravo Mexico February 2010.
 - Maira Carrillo. Study of von Willebrand factor using zebrafish as a model, Presentation promoting the UNT graduate program at the SACNAS National meeting in October 2009.
- Seongcheol Kim, Rajpurohit Surendra, Maira Carrillo, Vrinda Kulkarni, Pudur Jagadeeswaran. Evolution of Primary Hemostasis: Role of Trypsins in Gill Hemostasis, The International Society on Thrombosis and Haemostasis July 2009.
- Maira Carrillo, Seongcheol Kim, Pudur Jagadeeswaran. Zebrafish as a model for von Willebrand Disease, SACNAS National meeting in October 2008.
- Maira Carrillo, Seongcheol Kim, Pudur Jagadeeswaran. Zebrafish as a model study of von Willebrand disease, A&M June 2007.
- Maira Carrillo, Seongcheol Kim, Pudur Jagadeeswaran. Zebrafish as a model for von Willebrand disease, University of Wisconsin June 2006.
- Maira Carrillo, Kyle A. Beran, Jennifer Chavez, Energy Profile of C60 isomers, University of Texas of the Permian Basin, , National Meeting American Chemical Society. 2003.
- Jennifer Chavez, Maira Carrillo, Kyle Beran, Isomers of C20: An Energy Profile III, University of Texas of the Permian Basin, National Meeting American Chemical Society. 2003.

Awards and Honors:

Grants

- Full CPRIT 2018 grant preparation of three-year budget at \$300,000/year and execution of experiments provided preliminary data, submitted by PI.
- 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

Awards

- 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
- October 2014 Awarded travel scholarship from the Society for the Advancement of Chicanos and Native Americans in Science (SACNAS) to the National Conference
- October 2013 Awarded travel scholarship from SACNAS to the National Conference.
- June 2007 Travel award for the A&M Zebrafish conference for poster presentation.