

DOCTORADO EN CIENCIAS DE LA NUTRICIÓN TRASLACIONAL PRODUCTIVIDAD CIENTÍFICA, 2025

1. Baños-Doménech L, García-García N, Peñalver J, Armenteros JA, **Martínez-López E**. First record of trace elements in cetaceans stranded along the Asturias Coastline, Northwest Spain: One great diversity area of marine mammals. *J Trace Elem Med Biol*. 2025 Jun;89:127669. doi: 10.1016/j.jtemb.2025.127669. Epub 2025 May 3. PMID: 40349439.
2. Camacho Meza G, Avalos Navarro G, **De La Cruz Mosso U**, Ramírez Patiño R, **Muñoz Valle JF**, Bautista Herrera LA. Macrophage migration inhibitory factor: Exploring physiological roles and comparing health benefits against oncogenic and autoimmune risks (Review). *Int J Mol Med*. 2025 Oct;56(4):149. Doi: 10.3892/ijmm.2025.5590. Epub 2025 Jul 19. PMID: 40682854; PMCID: PMC12306601.
3. Campos-Bayardo TI, Román-Rojas D, García-Sánchez A, Cardona-Muñoz EG, Sánchez-Lozano DI, Totsuka-Sutto S, Gómez-Hermosillo LF, Casillas-Moreno J, Andrade-Sierra J, Pazarín-Villaseñor L, Campos-Pérez W, **Martínez-López E**, Miranda-Díaz AG. The Role of TLRs in Obesity and Its Related Metabolic Disorders. *Int J Mol Sci*. 2025 Mar 1;26(5):2229. doi: 10.3390/ijms26052229. PMID: 40076851; PMCID: PMC11900219.
4. Castro-Mata PC, Cueto-Manzano AM, **Vizmanos B**, González-Ortiz A, **Betancourt-Núñez A**, Martín-Del-Campo F. Chrononutrition in Chronic Kidney Disease. *Nutrients*. 2025 Jan 22;17(3):389. doi: 10.3390/nu17030389. PMID: 39940247; PMCID: PMC11820925. <https://doi.org/10.3390/nu17030389>
5. Cristerna-Huerta SV, Vega-Burgueño M, Vergara-Jiménez MJ, **Martínez-López E**, Barrón-Cabrera E. Assembly and activation of the NLRP3 inflammasome and cytokine quantification in response to exercise in adults with different metabolic conditions: a systematic review. *Front Sports Act Living*. 2025 Jul 21;7:1602208. doi: 10.3389/fspor.2025.1602208. PMID: 40761804; PMCID: PMC12319052.
6. de la O V, de Cuevillas B, Henkrich M, **Vizmanos B**, Nuñez-Garcia M, Sajoux I, de Luis D, Martínez JA. Phenotype-Driven Variability in Longitudinal Body Composition Changes After a Very Low-Calorie Ketogenic Intervention: A Machine Learning Cluster Approach. *J Pers Med*. 2025 Jun 14;15(6):251. doi: 10.3390/jpm15060251. PMID: 40559113; PMCID: PMC12193932. <https://doi.org/10.3390/jpm15060251>
7. Flores García Y, Martín Del Campo Solís MF, Gómez-Angulo JH, **Martínez Preciado AH**, Silva-Jara JM, Padilla de la Rosa JD, Escalante-García ZY. Industrial Applications, Principal Sources, and Extraction of Galactomannans: A Review. *Foods*. 2025 Apr 30;14(9):1587. doi: 10.3390/foods14091587. PMID: 40361669; PMCID: PMC12071492. <https://doi.org/10.3390/foods14091587>
8. García-Estrada J, Luquin S, Pesqueda-Cendejas K, Ruiz-Ballesteros AI, Campos-López B, Meza-Meza MR, Parra-Rojas I, González-Castañeda RE, Ramos-Lopez O, **De la Cruz-Mosso U**. Malnutrition in Substance Use Disorders: A Critical Issue in Their Treatment and Recovery. *Healthcare (Basel)*. 2025 Apr 10;13(8):868. Doi: 10.3390/healthcare13080868. PMID: 40281819; PMCID: PMC12027436.
9. Godínez-Mora S, Campos-Pérez W, Pérez-Robles M, Robles-Jiménez C, Muñoz-Hernández A, Torres-Vanegas J, **Martínez-López E**. Positive correlation between n-6:n-3 PUFA ratio intake with serum oxHDL/HDL-c ratio in patients with coronary artery disease. *Coron Artery Dis*. 2025 May 1;36(3):190-199. Doi: 10.1097/MCA.0000000000001437. Epub 2024 Oct 16. PMID: 39729580.
10. Gutierrez-Guerra A, Cambron-Mora D, Rodríguez-Echevarría R, Hernández-Bello J, Campos-Pérez W, Canales-Aguirre AA, Pérez-Robles M, **Martínez-López E**. Dietary n-6:n-3 PUFA Ratio Modulates Inflammation-Related Gene Expression and Influences Improvements in Biochemical Parameters in a Murine Model of Diet-Induced Obesity. *Nutrients*. 2025 Jun 13;17(12):1996. doi: 10.3390/nu17121996. PMID: 40573106; PMCID: PMC12196131.
11. Gutiérrez-Hurtado IA, **Martínez-López E**, Rico-Méndez MA, Bravo-Villagra KM, Mendoza-Jaramillo HE, Sánchez-Rolón MDP, **Betancourt-Núñez A**, Gallegos-Arreola MP, Tapia-Rivera JC,

DOCTORADO EN CIENCIAS DE LA NUTRICIÓN TRASLACIONAL PRODUCTIVIDAD CIENTÍFICA, 2025

- López-Quintero A.** Modulation of the Inflammatory Response by Adenovirus 36 in Patients with Obesity and Type 2 Diabetes: A Nested Case-Control Study Within a Cohort. *Viruses*. 2025 Apr 10;17(4):552. doi: 10.3390/v17040552. PMID: 40284995; PMCID: PMC12030835. <https://doi.org/10.3390/v17040552>
12. Hernández-Ruiz RG, Olivares-Ochoa XC, Salinas-Varela Y, Guajardo-Espinoza D, Roldán-Flores LG, **Rivera-Leon EA, López-Quintero A.** Phenolic Compounds and Anthocyanins in Legumes and Their Impact on Inflammation, Oxidative Stress, and Metabolism: Comprehensive Review. *Molecules*. 2025 Jan 4;30(1):174. doi: 10.3390/molecules30010174. PMID: 39795230; PMCID: PMC11722078. <https://doi.org/10.3390/molecules30010174>
 13. Perez-Robles M, Campos-Perez W, Godinez-Mora S, Lopez-Alvarez V, Ramos- Villalobos LE, Corona-Ruiz F, Armendariz-Borunda J, **Martinez-Lopez E.** Serum OxLDL Levels Are Positively Associated with the Number of Ischemic Events and Damaged Blood Vessels in Patients with Coronary Artery Disease. *Healthcare (Basel)*. 2025 Jun 14;13(12):1426. doi: 10.3390/healthcare13121426. PMID: 40565453; PMCID: PMC12193118.
 14. Preciado-Ortiz ME, Gembe-Olivarez G, **Martínez-López E,** Rivera-Valdés JJ. Immunometabolic Effects of Ginger (*Zingiber officinale* Roscoe) Supplementation in Obesity: A Comprehensive Review. *Molecules*. 2025 Jul 11;30(14):2933. doi: 10.3390/molecules30142933. PMID: 40733199; PMCID: PMC12298451.
 15. Preciado-Ortiz ME, Pérez-Jiménez B, Barrera-Gómez P, Rivera-Valdés JJ, Acevedo-Carabantes JA, Vásquez-Reyes S, Tovar AR, Torres N, Torre-Villalvazo I, **Martínez-López E.** A mixture of ginger phenolic compounds enhances mitochondrial function, activates AMPK, and reduces lipid accumulation in adipocytes. *PLoS One*. 2025 Jun 27;20(6):e0326690. doi: 10.1371/journal.pone.0326690. PMID: 40577283; PMCID: PMC12204587.
 16. Ramos-Lopez O, Assmann TS, Astudillo Muñoz EY, Baquerizo-Sedano L, Barrón-Cabrera E, Bernal CA, Bressan J, Cuevas-Sierra A, Dávalos A, **De la Cruz-Mosso U,** De la Garza AL, De Luis DA, Díaz de la Garza RI, Dos Santos K, Fernández-Condori RC, Fernández-Quintela A, García Díaz DF, Gonzalez-Becerra K, Lopes Rosado E, López de Las Hazas MC, Marín Alejandro BA, Angel Martin A, Martinez-Lopez E, Martínez-Urbistondo D, Milagro FI, Hermsdorff HHM, Muguerza B, Nicoletti CF, Obregón Rivas AM, Parra-Rojas I, Portillo MP, Santos JL, Steemburgo T, Tejero ME, Terán AC, Treviño V, **Vizmanos B,** Martinez JA. Guidance and Position of RINN22 regarding Precision Nutrition and Nutriomics. *Lifestyle Genom*. 2025;18(1):1-19. doi: 10.1159/000542789. Epub 2024 Nov 30. PMID: 39617000; PMCID: PMC11844698. <https://doi.org/10.1159/000542789>
 17. Salas-García MA, **Bernal-Orozco MF,** Díaz-López A, **Betancourt-Núñez A,** Nava-Amante PA, **Vizmanos B.** Associations of Sociodemographic Characteristics with Food Choice Motives' Importance Among Mexican Adults: A Cross-Sectional Analysis. *Foods*. 2025 Jan 7;14(2):158. doi: 10.3390/foods14020158. PMID: 39856824; PMCID: PMC11764962. <https://doi.org/10.3390/foods14020158>
 18. Salomón Benítez MF, Lazcano Verduzco AK, Peña Medina P, Barrón Cabrera EM, **Martínez-López E,** Mendoza Medina GG, Ríos Leal E, Morgan Ortiz F, Osuna Espinoza KY, Osuna Ramírez I. Perfil eritrocitario y dietético de ácidos grasos omega-3 en mujeres embarazadas con sobrepeso u obesidad [Erythrocyte and dietary omega-3 fatty acid profile in overweight and obese pregnant women]. *Nutr Hosp*. 2025 Apr 21;42(1):67-72. Spanish. doi: 10.20960/nh.05332. PMID: 39512009.
 19. Sánchez-Nuño YA, Nuño K, **Martínez-Preciado AH,** Silva-Jara JM, Velázquez-Carriles CA, Gomez-Aldapa CA, Villarruel-López A. Design and Optimization of a Second-Generation Extruded Snack Using Carrot Waste, Blue Corn Flour, and Ellagic Acid as Functional Ingredients. *Foods*. 2025 May 8;14(10):1657. doi: 10.3390/foods14101657. PMID: 40428437; PMCID: PMC12110601. <https://doi.org/10.3390/foods14101657>
 20. Sanchez-Orozco NY, Rosier BT, Ruiz-Gutierrez A, **Marquez-Sandoval F,** Artacho A, **Carrera-Quintanar L,** Mira A. The blood pressure lowering effect of beetroot juice is impaired in

DOCTORADO EN CIENCIAS DE LA NUTRICIÓN TRASLACIONAL PRODUCTIVIDAD CIENTÍFICA, 2025

- periodontitis and recovered after periodontal treatment. NPJ Biofilms Microbiomes. 2025 Jan 9;11(1):10. doi: 10.1038/s41522-024-00622-5. PMID: 39788958; PMCID: PMC11717912.
21. Sierra-Ruelas E, Torres-Castillo N, **Vizmanos B**, Pérez WC, **Martínez-López E**. Uncoupling Proteins Variants Are Linked to Hypercholesterolemia and Abdominal Obesity in Metabolically Unhealthy Women. Lifestyle Genom. 2025;18(1):27-35. doi: 10.1159/000543484. Epub 2025 Jan 16. PMID: 39820029; PMCID: PMC11838145. <https://doi.org/10.1159/000543484>
 22. Sierra-Ruelas E, **Vizmanos B**, López Gómez JJ, Rico D, Martínez JA, Luis DA. Mutual Impact of Dietary Antioxidants and TNF- α rs1800629 on Insulin Levels in Adults with Obesity. Nutrients. 2025 Jul 17;17(14):2345. doi: 10.3390/nu17142345. PMID: 40732969; PMCID: PMC12298568. <https://doi.org/10.3390/nu17142345>
 23. Soria-Rodríguez R, Méndez-Magaña J, **Torres-Castillo N**, **Martínez-López E**, Jauregui-Ulloa E, López-Taylor J, Loera-Rodríguez CO, Sigala-Arellano R, Amador-Lara F. Effect of a Supervised Aerobic Exercise Training Program and Ginkgo Biloba Extract on Metabolic Parameters and Functional Capacity in HIV-Infected Subjects. Healthcare (Basel). 2025 Mar 18;13(6):663. doi: 10.3390/healthcare13060663. PMID: 40150513; PMCID: PMC11942170. <https://doi.org/10.3390/healthcare13060663>
 24. Torres-Vanegas J, Rodríguez-Echevarría R, Campos-Pérez W, Rodríguez-Reyes SC, Reyes-Pérez SD, Pérez-Robles M, **Martínez-López E**. Effect of a Diet Supplemented with Marine Omega-3 Fatty Acids on Inflammatory Markers in Subjects with Obesity: A Randomized Active Placebo-Controlled Trial. Healthcare (Basel). 2025 Jan 8;13(2):103. doi: 10.3390/healthcare13020103. PMID: 39857130; PMCID: PMC11764561.
 25. Trigueros-Del Valle GF, Tlacuilo-Parra A, **Rivera-León EA**, Llamas-Covarrubias IM, Villafán-Bernal JR, Olivares-Ochoa XC, Sánchez-Enríquez S. Sex differences in the prevalence and profile of metabolic syndrome: results of a screening program from Western Mexico in self-appointed healthy adults. Endokrynol Pol. 2025;76(3):279-289. doi: 10.5603/ep.104506. PMID: 40586404. [doi: 10.5603/ep.104506](https://doi.org/10.5603/ep.104506).
 26. Villafán-Bernal JR, Rivas-Carrillo JD, Guzmán-Guzmán IP, Frias-Cabrera JL, **Rivera-León EA**, Martinez-Portilla RJ, Sánchez-Enríquez S. Carboxylated Osteocalcin as an Independent Predictor of Mean Arterial Pressure and the Atherogenic Index in Adults. Int J Mol Sci. 2025 Feb 18;26(4):1733. doi: 10.3390/ijms26041733. PMID: 40004196; PMCID: PMC11855918. <https://doi.org/10.3390/ijms26041733>