

Dr. Samuel García Arellano

- Impact of Plasminogen Activator Inhibitor-1 Serum Levels and the -675 4G/5G Variant in the SERPINE1 Gene on Systemic Sclerosis in a Mexican Population. Lomeli-Nieto JA, Muñoz-Valle JF, Navarro-Zarza JE, Baños-Hernández CJ, Gutierrez-Brito JA, Renteria-Cabrera V, Horta-Chávez EA, Morales-Núñez JJ, García-Arellano S, Parra-Rojas I, Hernández-Bello J. *Life* (Basel). 2024 Aug 23;14(9):1056. doi: 10.3390/life14091056.PMID: 39337840 Free PMC article.
- Influence of previous COVID-19 exposure and vaccine type (CoronaVac, ChAdOx1 nCov-19 or BNT162b2) on antibody and cytokine (Th1 or Th2) responses. Padilla-Bórquez DL, Matuz-Flores MG, Hernández-Bello J, Rosas-Rodríguez JA, Turrubiates-Hernández FJ, García-Arellano S, González-Estevez G, Ceja-Gálvez HR, Oregon-Romero E, López-Reyes A, Muñoz-Valle JF. *Hum Vaccin Immunother*. 2024 Dec 31;20(1):2394265. doi: 10.1080/21645515.2024.2394265. Epub 2024 Sep 9.PMID: 39246041 Free PMC article.
- Vitamin A Positively Correlates with Secretory Immunoglobulin A: A Cross-
- Sectional Study in Omicron COVID-19 Outpatients. Turrubiates-Hernández FJ, García-Arellano S, Herrera-Jiménez LE, González-Estevez G, Márquez-Sandoval F, Padilla-Bórquez DL, Ceja-Gálvez HR, Vega-Magaña N, Nicoletti F, Muñoz-Ríos G, Muñoz-Valle JF. *J Clin Med*. 2024 Mar 7;13(6):1538. doi: 10.3390/jcm13061538.PMID: 38541764 Free PMC article.
- STAT4 Gene Variant rs7574865 Is Associated with Rheumatoid Arthritis Activity and Anti-CCP Levels in the Western but Not in the Southern Population of Mexico. Bravo-Villagra KM, Muñoz-Valle JF, Baños-Hernández CJ, Cerpa-Cruz S, Navarro-Zarza JE, Parra-Rojas I, Aguilar-Velázquez JA, García-Arellano S,
- López-Quintero A. *Genes* (Basel). 2024 Feb 14;15(2):241. doi: 10.3390/genes15020241.PMID: 38397230 Free PMC article.
- Seroprevalence of IgM/IgG and Neutralizing Antibodies against SARS-CoV-2 in Unvaccinated Young Adults from Mexico Who Reported Not Having Had a Previous COVID-19 Infection. Padilla-Bórquez DL, Matuz-Flores MG, Hernández-Bello J, Sánchez-Zuno GA, García-Arellano S, Oregon-Romero E, Herrera-Godina MG, González-Estevez G, Adan-Bante NP, Rosas-Rodríguez JA, Muñoz-Valle JF. *Can J Infect*
- *Dis Med Microbiol*. 2024 Feb 14;2024:8871439. doi: 10.1155/2024/8871439.
- eCollection 2024.PMID: 38384428 Free PMC article.
- Expression of Transcriptional Factors of T Helper Differentiation (T-bet, GATA-3, ROR γ t, and FOXP3), MIF Receptors (CD44, CD74, CXCR2, 4, 7), and Th1, Th2, and Th17 Cytokines in PBMC from Control Subjects and Rheumatoid Arthritis Patients. Zerpa-Hernández DA, García-Chagollán M, Sánchez-Zuno GA, García-Arellano S, Hernández-Bello J, Hernández-Palma LA, Cerpa-Cruz S, Martínez-Bonilla G, Nicoletti F, Muñoz-Valle JF. *Curr Mol Med*. 2024;24(9):1169-1182. doi: 10.2174/0115665240260976230925095330.PMID: 37807647
- Relationship between lipid profile, anthropometric indicators, and appetite-regulating hormones in infants according to type of feeding. Vásquez-Garibay EM, Larrosa-Haro A, Muñoz-Esparza NC, Romero-Velarde E, Guzmán-Mercado E, García-Arellano S, Martínez Limón F, Muñoz-Valle JF. *Nutr Hosp*. 2023 Dec 14;40(6):1152-1158. doi: 10.20960/nh.04477.PMID: 37522456 Free article. English.
- Evaluation of Serum Levels of Cytokines in Acute Apical Abscess: A Longitudinal Observational Study. Palafox-Sánchez CA, Cruz A, Salazar-Camarena DC, Gascón LG, Cintra LTA, Muñoz-Valle JF, García-Arellano S, Estrela C, Menchaca-Tapia PA. *J Endod*. 2023 Sep;49(9):1090-1098. doi: 10.1016/j.joen.2023.07.001. Epub 2023 Jul PMID: 37423583
- TGFB1 mRNA expression and frequency of the + 869T>C and + 915G>C genetic variants: impact on risk for systemic sclerosis. Lomeli-Nieto JA, Muñoz-Valle JF, Navarro-Zarza JE, Baños-Hernández CJ, García-Arellano S, Alvarado-Navarro A, Anaya-Macías BU, Oregon-Romero E, Fuentes-Baez CE, Parra-Rojas I, Hernández-Bello J. *Clin Exp Med*. 2023 Aug;23(4):1349-1357. doi: 10.1007/s10238-022-00966-2. Epub 2022 Dec 4.PMID: 36464760
- In Peripheral Blood Mononuclear Cells *Helicobacter pylori* Induces the Secretion of Soluble and Exosomal Cytokines Related to Carcinogenesis. Atrisco-Morales J, Ramírez M, Castañón-Sánchez CA,

Román-Román A, Román-Fernández IV, Martínez-Carrillo DN, García-Arellano S, Muñoz-Valle JF, Rodríguez-Ruiz HA, Fernández-Tilapa G. *Int J Mol Sci.* 2022 Aug 8;23(15):8801. doi: 10.3390/ijms23158801.PMID: 35955936 Free PMC article.

- Effect of flaxseed (*Linum usitatissimum*) supplementation on glycemic control and insulin resistance in prediabetes and type 2 diabetes: A systematic review and meta-analysis of randomized controlled trials. Villarreal-Renteria AI, Herrera-Echauri DD, Rodríguez-Rocha NP, Zuñiga LY, Muñoz-Valle JF, García-Arellano S, Bernal-Orozco MF, Macedo-Ojeda G. *Complement Ther Med.* 2022 Nov;70:102852. doi: 10.1016/j.ctim.2022.102852. Epub 2022 Jul 14.PMID: 35843472 Free article.
- Transforming growth factor beta isoforms and TGF- β 1 and TGF- β 2 expression in systemic sclerosis patients. Lomelí-Nieto JA, Muñoz-Valle JF, Baños-Hernández CJ, Navarro-Zarza JE, Godínez-Rubí JM, García-Arellano S, Ramírez-Dueñas MG, Parra-Rojas I, Villanueva-Pérez A, Hernández-Bello J. *Clin Exp Med.* 2023 Jun;23(2):471-481. doi: 10.1007/s10238-022-00841-0. Epub 2022 May 29.PMID: 35643962
- Canonical (CD74/CD44) and Non-Canonical (CXCR2, 4 and 7) MIF Receptors Are Differentially Expressed in Rheumatoid Arthritis Patients Evaluated by DAS28-ESR. Sánchez-Zuno GA, Bucala R, Hernández-Bello J, Román-Fernández IV, García-Chagollán M, Nicoletti F, Matuz-Flores MG, García-Arellano S, Esparza-Michel JA, Cerpa-Cruz S, Pérez-Guerrero EE, Muñoz-Valle JF. *J Clin Med.* 2021 Dec 27;11(1):120. doi: 10.3390/jcm11010120.PMID: 35011861 Free PMC article.
- Th1/Th2 Balance in Young Subjects: Relationship with Cytokine Levels and Metabolic Profile. Matia-Garcia I, Vadillo E, Pelayo R, Muñoz-Valle JF, García-Chagollán M, Loaeza-Loaeza J, Vences-Velázquez A, Salgado-Goytia L, García-Arellano S, Parra-Rojas I. *J Inflamm Res.* 2021 Dec 6;14:6587-6600. doi: 10.2147/JIR.S342545. eCollection 2021.PMID: 34908860 Free PMC article.
- A Comprehensive Descriptive Epidemiological and Clinical Analysis of SARS-CoV-2 in West-Mexico during COVID-19 Pandemic 2020. Viera-Segura O, Vega-Magaña N, García-Chagollán M, Peña-Rodríguez M, Muñoz-Sánchez G, Carranza-Aranda AS, Llamas-Covarrubias IM, Ramos-
- Solano M, Mora-Mora J, Díaz-Palomera CD, León GE, Zepeda-Nuño JS, Santillán-López E, García-Arellano S, Hernández-Silva CD, Zerpa-Hernandez DA, Muñoz-Rios G, Rodríguez-Sanabria JS, Muñoz-Valle JF. *Int J Environ Res Public Health.* 2021 Oct 11;18(20):10644. doi: 10.3390/ijerph182010644.PMID: 34682388 Free PMC article.
- Macrophage migration inhibitory factor gene polymorphisms (SNP -173 G>C and STR-794 CATT5-8) confer risk of plaque psoriasis: A case-control study. Hernández-Bello J, Rodríguez-Puente M, Gutiérrez-Cuevas J, García-Arellano S, Muñoz-Valle JF, Fafutis-Morris M, Villanueva-Quintero DG, Alvarado-Navarro A. *J Clin Lab Anal.* 2021 Nov;35(11):e23999. doi: 10.1002/jcla.23999. Epub 2021 Sep 17.PMID: 34533238 Free PMC article.
- The Novel Role of MIF in the Secretion of IL-25, IL-31, and IL-33 from PBMC of Patients with Rheumatoid Arthritis. García-Arellano S, Hernández-Palma LA, Cerpa-Cruz S, Sánchez-Zuno GA, Herrera-Godina MG, Muñoz-Valle JF. *Molecules.* 2021 Aug 17;26(16):4968. doi: 10.3390/molecules26164968.PMID: 34443554 Free PMC article.
- Cytokine profiles and clinical characteristics in primary Sjögren's syndrome
- patient groups. López-Villalobos EF, Muñoz-Valle JF, Palafox-Sánchez CA, García-Arellano S, Martínez-Fernández DE, Orozco-Barocio G, García-Espinoza JA, Oregon-Romero E. *J Clin Lab Anal.* 2021 Feb;35(2):e23629. doi: 10.1002/jcla.23629. Epub 2020 Oct 17.PMID: 33070375 Free PMC article.
- Downregulation of Inflammatory Cytokine Release from IL-1 β and LPS-Stimulated PBMC Orchestrated by ST2825, a MyD88 Dimerisation Inhibitor. Ramírez-Pérez S, Hernández-Palma LA, Oregon-Romero E, Anaya-Macías BU, García-Arellano S, González-Estevéz G, Muñoz-Valle JF. *Molecules.* 2020 Sep 21;25(18):4322. doi: 10.3390/molecules25184322.PMID: 32967164 Free PMC article.
- Appetite-regulating hormones and anthropometric indicators of infants according to the type of feeding. Vásquez-Garibay E, Larrosa-Haro A, Guzmán-Mercado E, Muñoz-Esparza N, García-Arellano S, Muñoz-Valle F, Romero-Velarde E. *Food Sci Nutr.* 2020 Jan 9;8(2):993-1000. doi: 10.1002/fsn3.1381. eCollection 2020 Feb.PMID: 32148807 Free PMC article