

## PUBLICACIONES PARA EL PERIODO ENERO-JUNIO 2022

### GRUPO 1

1. Fernández-Rhodes L, Graff M, Buchanan VL, Justice AE, Highland HM, Guo X, Zhu W, Chen HH, Young KL, Adhikari K, Palmer ND, Below JE, Bradfield J, Pereira AC, Glover L, Kim D, Lilly AG, Shrestha P, Thomas AG, Zhang X, Chen M, Chiang CWK, Pulit S, Horimoto A, Krieger JE, Guindo-Martínez M, Preuss M, Schumann C, Smit RAJ, Torres-Mejía G, Acuña-Alonzo V, Bedoya G, Bortolini MC, **Canizales-Quinteros S**, Gallo C, González-José R, Poletti G, Rothhammer F, Hakonarson H, Igo R, Adler SG, Iyengar SK, Nicholas SB, Gogarten SM, Isasi CR, Papnicolaou G, Stilp AM, Qi Q, Kho M, Smith JA, Langefeld CD, Wagenknecht L, Mckean-Cowdin R, Gao XR, Noursome D, Conti DV, Feng Y, Allison MA, Arzumanyan Z, Buchanan TA, Ida Chen YD, Genter PM, Goodarzi MO, Hai Y, Hsueh W, Ipp E, Kandeel FR, Lam K, Li X, Nadler JL, Raffel LJ, Roll K, Sandow K, Tan J, Taylor KD, Xiang AH, Yao J, Audirac-Chalifour A, de Jesus Peralta Romero J, Hartwig F, Horta B, Blangero J, Curran JE, Duggirala R, Lehman DE, Puppala S, Fejerman L, John EM, Aguilar-Salinas C, Burt NP, Florez JC, **García-Ortíz H**, González-Villalpando C, Mercader J, **Orozco L**, Tusié-Luna T, Blanco E, Gahagan S, Cox NJ, Hanis C, Butte NF, Cole SA, Comuzzie AG, Voruganti VS, Rohde R, Wang Y, Sofer T, Ziv E, Grant SFA, Ruiz-Linares A, Rotter JJ, Haiman CA, Parra EJ, Cruz M, Loos RJJ, North KE. Ancestral diversity improves discovery and fine-mapping of genetic loci for anthropometric traits-The Hispanic/Latino Anthropometry Consortium. *HGG Adv.* 2022 Mar 11;3(2):100099. doi: 10.1016/j.xhgg.2022.100099. (sin factor de impacto) GRUPO 1
2. Chakravarti I, Miranda-Schaeubinger M, Ruiz-Remigio A, Briones-Garduño C, **Fernández-Figueroa EA**, Villanueva-Cabello CC, Borge-Villareal A, Bejar-Ramírez Y, Pérez-González A, Rivera-Benitez C, Oren E, Brown HE, Becker I, Gilman RH. Chagas Disease in Pregnant Women from Endemic Regions Attending the Hospital General de Mexico, Mexico City. *Trop Med Infect Dis.* 2022 Jan 11;7(1):8. doi: 10.3390/tropicalmed7010008. (sin factor de impacto) GRUPO 1

### GRUPO 2

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### GRUPO 3

3. Rivas-Ortiz CI, Morales-Guerrero SE, Ponce-de-León-Rosales S, Gamboa-Domínguez A, **Rangel-Escareño C**, Uscanga-Domínguez LF, Aguilar-Gutiérrez GR, Kershenovich-Stalnikowitz D, López-Vidal Y, Castillo-Rojas G. Overview of Gene Expression Analysis in Gastric Disease Infected with *Helicobacter pylori*: CLDN1 and MMP9 Could Be Biomarkers for Early Diagnosis of Gastric Cancer. *Processes.* 2022 Feb; 10(2):196. <https://doi.org/10.3390/pr10020196> (F.I. 2.847) GRUPO 3
4. Lozano-Sardaneta YN, Jacobo-Olvera E, Ruiz-Tovar K, Sánchez-Montes S, Rodríguez-Rojas JJ, **Fernández-Figueroa EA**, Roldán-Fernández SG, Rodríguez-Martínez LM, Dzul-Manzanilla F, Correa-Morales F, Treviño-Garza N, Díaz-Albíter HM, Zwetsch A, Valadas SYOB, Nilce-Silveira A, Becker I, Huerta H. Detection of *Wolbachia* and *Leishmania* DNA in sand flies (Diptera: Psychodidae, Phlebotominae) from a focus of cutaneous leishmaniasis in Tabasco, Mexico. *Parasitol Res.* 2022 Feb;121(2):513-520. doi: 10.1007/s00436-021-07412-4. Epub 2022 Jan 24. (F.I. 2.289) GRUPO 3
5. Valle-Gough RE, Samaniego-Gámez BY, Apodaca-Hernández JE, Chiappa-Carrara FX, **Rodríguez-Dorantes M**, Arena-Ortiz ML. RNA-Seq Analysis on the Microbiota Associated with the White Shrimp (*Litopenaeus vannamei*) in Different Stages of Development. *Applied Sciences.* 2022; 12(5):2483. <https://doi.org/10.3390/app12052483> (F.I. 2.679) GRUPO 3
6. Castro-Leyva V, Arenas-Huertero F, Espejel-Núñez A, Giono Cerezo S, Flores-Pliego A, Espino Y Sosa S, Reyes-Muñoz E, **Vadillo-Ortega F**, Borboa-Olivares H, Camacho-Arroyo I, Estrada-Gutierrez G. miR-21 differentially regulates IL-1 $\beta$  and IL-10 expression in human decidual cells infected with streptococcus B. *Reprod Biol.* 2022

- Mar;22(1):100604. doi: 10.1016/j.repbio.2022.100604. Epub 2022 Jan 13. (F.I. 2.376) GRUPO 3
7. Ramírez-Salazar EG, Almeraya EV, López-Perez TV, Jiménez-Salas Z, **Patiño N, Velázquez-Cruz R**. MicroRNA-1270 Inhibits Cell Proliferation, Migration, and Invasion via Targeting IRF8 in Osteoblast-like Cell Lines. *Curr Issues Mol Biol*. 2022 Mar 1;44(3):1182-1190. doi: 10.3390/cimb44030077. (F.I. 2.081) GRUPO 3
  8. Aspra Q, Cabrera-Mendoza B, **Morales-Marín ME**, Márquez C, Chicalote C, Ballesteros A, Aguilar M, **Castro X**, Gómez-Cotero A, Balboa-Verduzco AM, Albores-Gallo L, Nafate-López O, Marcín-Salazar CA, Sánchez P, Lanzagorta-Piñol N, López-Armenta FO, **Nicolini H**. Epigenome-Wide Analysis Reveals DNA Methylation Alteration in ZFP57 and Its Target RASGFR2 in a Mexican Population Cohort with Autism. *Children (Basel)*. 2022 Mar 25;9(4):462. doi: 10.3390/children9040462. (F.I. 2.863) GRUPO 3
  9. Dircio-Maldonado R, Castro-Oropeza R, Flores-Guzman P, **Cedro-Tanda A**, Beltran-Anaya FO, **Hidalgo-Miranda A**, Mayani H. Gene expression profiles and cytokine environments determine the in vitro proliferation and expansion capacities of human hematopoietic stem and progenitor cells. *Hematology*. 2022 Dec;27(1):476-487. doi: 10.1080/16078454.2022.2061108. (F.I. 2.269) GRUPO 3
  10. Contreras-López, E.F., Cruz-Hernández, C.D., Cortés-Ramírez, S.A., Ramírez-Higuera A., Peña-Montes C., **Rodríguez-Dorantes, M.**, Oliart-Ros, R.M. Inhibition of Stearoyl-CoA Desaturase by Sterculic Oil Reduces Proliferation and Induces Apoptosis in Prostate Cancer Cell Lines. *Nutr Cancer*. 2022;74(4):1308-1321. doi: 10.1080/01635581.2021.1952442. Epub 2021 Jul 20. (F.I. 2.9) GRUPO 3
  11. **Aparicio-Bautista DI**, Chávez-Valenzuela D, Ambriz-Álvarez G, Córdova-Fraga T, **Reyes-Grajeda JP**, Medina-Contreras Ó, Rodríguez-Cruz F, García-Sierra F, Zúñiga-Sánchez P, Gutiérrez-Gutiérrez AM, **Arellanes-Robledo J**, Basurto-Islas G. An Extremely Low-Frequency Vortex Magnetic Field Modifies Protein Expression, Rearranges the Cytoskeleton, and Induces Apoptosis of a Human Neuroblastoma Cell Line. *Bioelectromagnetics*. 2022 May;43(4):225-244. doi: 10.1002/bem.22400. Epub 2022 Apr 19. (F.I. 2.01) GRUPO 3
  12. **Gómez-Romero L**, Alvarez-Suarez DE, **Hernández-Lemus E**, Ponce-Castañeda MV, **Tovar H**. The regulatory landscape of retinoblastoma: a pathway analysis perspective. *R Soc Open Sci*. 2022 May 18;9(5):220031. doi: 10.1098/rsos.220031. (F.I. 2.963) GRUPO 3
  13. Sosa-Bibiano EI, Sánchez-Martínez LA, López-Ávila KB, Chablé-Santos JB, Torres-Castro JR, **Fernández-Figueroa EA**, **Rangel-Escareño C**, Loría-Cervera EN. Leishmania (Leishmania) mexicana Infection in Wild Rodents from an Emergent Focus of Cutaneous Leishmaniasis in Yucatan, Mexico. *J Trop Med*. 2022 May 31;2022:8392005. doi: 10.1155/2022/8392005. (F.I. 2.488) GRUPO 3
  14. Piña-Aguero MI, Maldonado-Hernández J, **Sebastián-Medina L**, **Tejero-Barrera ME**, Robledo-Pérez RM, Villalpando-Hernández S, Ventura-Bravo ZA, Morales-Ramírez LK. Vitamin D Receptor Gene Polymorphisms,  $\beta$ -cell Function, and Vitamin D Status in Non-obese Mexican Adults. *Arch Med Res*. 2022 Jun;53(4):416-422. doi: 10.1016/j.arcmed.2022.04.002. Epub 2022 Apr 29. (F.I. 2.235) GRUPO 3

#### **GRUPO 4**

15. **Villarreal-Molina, T.**; García-Ordóñez, G.P.; Reyes-Quintero, Á.E.; **Domínguez-Pérez, M.**; **Jacobo-Albavera, L.**; Nava, S.; **Carnevale, A.**; Medeiros-Domingo, A.; Iturralde, P. Clinical Spectrum of SCN5A Channelopathy in Children with Primary Electrical Disease and Structurally Normal Hearts. *Genes* 2022, 13, 16. <https://doi.org/10.3390/genes13010016> (F.I. 4.096) GRUPO 4
16. García-García ML, Tovilla-Zárate CA, Villar-Soto M, Juárez-Rojop IE, González-Castro TB, **Genís-Mendoza AD**, Ramos-Méndez MÁ, López-Nárvaez ML, Saucedo-Osti AS, Ruiz-Quiñones JA, Martínez-Magaña JJ. Fluoxetine modulates the pro-inflammatory process of IL-6, IL-1 $\beta$  and TNF- $\alpha$  levels in individuals with depression: a systematic review and meta-analysis. *Psychiatry Res*. 2022 Jan;307:114317. doi: 10.1016/j.psychres.2021.114317. Epub 2021 Nov 28. (F.I. 3.222) GRUPO 4
17. Márquez-Quiroga LV, **Arellanes-Robledo J**, Vásquez-Garzón VR, Villa-Treviño S, Muriel P. Models of nonalcoholic steatohepatitis potentiated by chemical inducers leading to

- hepatocellular carcinoma. *Biochem Pharmacol.* 2022 Jan;195:114845. doi: 10.1016/j.bcp.2021.114845. Epub 2021 Nov 18. (F.I. 5.858) GRUPO 4
18. Castro-Gil MP, Torres-Mena JE, Salgado RM, Muñoz-Montero SA, Martínez-Garcés JM, López-Torres CD, **Mendoza-Vargas A**, Gabiño-López NB, Villa-Treviño S, Del Pozo-Yauner L, **Arellanes-Robledo J**, Kröttsch E, **Pérez-Carreón JI**. The transcriptome of early GGT/KRT19-positive hepatocellular carcinoma reveals a downregulated gene expression profile associated with fatty acid metabolism. *Genomics.* 2022 Jan;114(1):72-83. doi: 10.1016/j.ygeno.2021.11.035. Epub 2021 Dec 1. (F.I. 5.736) GRUPO 4
  19. Galindo-Pérez MC, Suárez M, Rosales-Tapia AR, Sifuentes-Osornio J, Angulo-Guerrero O, Benítez-Pérez H, **de Anda-Jauregui G**, Díaz-de-León-Santiago JL, **Hernández-Lemus E**, **Alonso Herrera L**, López-Arellano O, Revuelta-Herrera A, Ruiz-Gutiérrez R, Sheinbaum-Pardo C, Kershenobich-Stalnikowitz D. Territorial Strategy of Medical Units for Addressing the First Wave of the COVID-19 Pandemic in the Metropolitan Area of Mexico City: Analysis of Mobility, Accessibility and Marginalization. *Int J Environ Res Public Health.* 2022 Jan 7;19(2):665. doi: 10.3390/ijerph19020665. (F.I. 3.39) GRUPO 4
  20. Martínez-García M, **Hernández-Lemus E**. Data Integration Challenges for Machine Learning in Precision Medicine. *Front Med (Lausanne).* 2022 Jan 25;8:784455. doi: 10.3389/fmed.2021.784455. (F.I. 5.093) GRUPO 4
  21. Barquet-Muñoz SA, Pedroza-Torres A, Perez-Plasencia C, Montañó S, Gallardo-Alvarado L, Pérez-Montiel D, **Herrera-Montalvo LA**, Cantú-de León D. microRNA Profile Associated with Positive Lymph Node Metastasis in Early-Stage Cervical Cancer. *Curr Oncol.* 2022 Jan 8;29(1):243-254. doi: 10.3390/curroncol29010023. (F.I. 3.677) GRUPO 4
  22. Gómez R, Tapia-Guerrero YS, Cisneros B, **Orozco L**, Cerecedo-Zapata C, **Mendoza-Caamal E**, Leyva-Gómez G, Leyva-García N, Velázquez-Pérez L, Magaña JJ. Genetic Distribution of Five Spinocerebellar Ataxia Microsatellite Loci in Mexican Native American Populations and Its Impact on Contemporary Mestizo Populations. *Genes (Basel).* 2022 Jan 16;13(1):157. doi: 10.3390/genes13010157. (F.I. 4.096) GRUPO 4
  23. Taxis T, Guzmán-Cruz C, **Rodríguez-Dorantes M**, Sánchez-García S, Mino-León D, **González-Covarrubias V**. Genotyping NUDT15\*3 rs1166855232 reveals higher frequency of potential adverse effects of thiopurines in Natives and Mestizos from Mexico. *Pharmacol Rep.* 2022 Feb;74(1):257-262. doi: 10.1007/s43440-021-00287-3. (F.I. 3.027) GRUPO 4
  24. Martínez-Magaña JJ, Hernandez S, Garcia AR, Cardoso-Barajas V, Sarmiento E, Camarena B, Caballero A, Gonzalez L, Villatoro-Velazquez JA, Medina-Mora ME, Bustos-Gamiño M, Fleiz-Bautista C, Tovilla-Zarate CA, Juárez-Rojop IE, **Nicolini H**, **Genis-Mendoza AD**. Genome-Wide Analysis of Disordered Eating Behavior in the Mexican Population. *Nutrients.* 2022 Jan 17;14(2):394. doi: 10.3390/nu14020394. (F.I. 5.719) GRUPO 4
  25. Salazar-García M, Acosta-Contreras S, Rodríguez-Martínez G, **Cruz-Rangel A**, Flores-Alanis A, Patiño-López G, Luna-Pineda VM. Pseudotyped Vesicular Stomatitis Virus-Severe Acute Respiratory Syndrome-Coronavirus-2 Spike for the Study of Variants, Vaccines, and Therapeutics Against Coronavirus Disease 2019. *Front Microbiol.* 2022 Jan 14;12:817200. doi: 10.3389/fmicb.2021.817200. REVIEW (F.I. 5.64) GRUPO 4
  26. Losada-García A, Cortés-Ramírez SA, Cruz-Burgos M, Morales-Pacheco M, Cruz-Hernández CD, **Gonzalez-Covarrubias V**, Perez-Plasencia C, Cerbón MA, **Rodríguez-Dorantes M**. Hormone-Related Cancer and Autoimmune Diseases: A Complex Interplay to be Discovered. *Front Genet.* 2022 Jan 17; 12:673180. doi: 10.3389/fgene.2021.673180. (F.I. 4.599) GRUPO 4
  27. García-Cruz C, Merino-Jiménez C, Aragón J, Ceja V, González-Assad B, **Reyes-Grajeda JP**, Montanez C. Overexpression of the dystrophins Dp40 and Dp40L170P modifies neurite outgrowth and the protein expression profile of PC12 cells. *Sci Rep.* 2022 Jan 26;12(1):1410. doi: 10.1038/s41598-022-05271-2. (F.I. 4.380) GRUPO 4
  28. Sotomayor-Vivas C, **Hernández-Lemus E**, Dorantes-Gilardi R. Linking protein structural and functional change to mutation using amino acid networks. *PLoS One.* 2022 Jan 21;17(1): e0261829. doi: 10.1371/journal.pone.0261829. (F.I. 3.24) GRUPO 4
  29. Méndez-García LA, Bueno-Hernández N, **Cid-Soto MA**, De León KL, Mendoza-Martínez VM, Espinosa-Flores AJ, Carrero-Aguirre M, Esquivel-Velázquez M, León-Hernández M,

- Viurcos-Sanabria R, Ruíz-Barranco A, Cota-Arce JM, Álvarez-Lee A, De León-Nava MA, Meléndez G, Escobedo G. Ten-Week Sucralose Consumption Induces Gut Dysbiosis and Altered Glucose and Insulin Levels in Healthy Young Adults. *Microorganisms*. 2022 Feb 14;10(2):434. doi: 10.3390/microorganisms10020434. (F.I. 4.128) GRUPO 4
30. **Gonzalez-Covarrubias V, Martínez-Martínez E, Del Bosque-Plata L.** The Potential of Metabolomics in Biomedical Applications. *Metabolites*. 2022 Feb 19;12(2):194. doi: 10.3390/metabo12020194. (F.I. 4.932) GRUPO 4
31. Niiranen L, Leciej D, Edlund H, Bernhardsson C, Fraser M, **Quinto FS**, Herzig KH, Jakobsson M, Walkowiak J, Thalmann O. Epigenomic Modifications in Modern and Ancient Genomes. *Genes (Basel)*. 2022 Jan 20;13(2):178. doi: 10.3390/genes13020178. (F.I. 4.096) GRUPO 4
32. Hofman D, Kudla U, Miqdady M, Nguyen TVH, **Morán-Ramos S**, Vandenplas Y. Faecal Microbiota in Infants and Young Children with Functional Gastrointestinal Disorders: A Systematic Review. *Nutrients*. 2022 Feb 25;14(5):974. doi: 10.3390/nu14050974. (F.I. 5.719) GRUPO 4
33. Reyes P, García-de Teresa B, Juárez U, Pérez-Villatoro F, Fiesco-Roa MO, Rodríguez A, Molina B, **Villarreal-Molina MT, Meléndez-Zajgla J, Carnevale A**, Torres L, Frias S. Fanconi Anemia Patients from an Indigenous Community in Mexico Carry a New Founder Pathogenic Variant in FANCG. *Int J Mol Sci*. 2022 Feb 20;23(4):2334. doi: 10.3390/ijms23042334. (F.I. 5.924) GRUPO 4
34. De la Fuente-Hernandez MA, Sarabia-Sanchez MA, **Melendez-Zajgla J, Maldonado-Lagunas V.** lncRNAs in mesenchymal differentiation. *Am J Physiol Cell Physiol*. 2022 Mar 1;322(3):C421-C460. doi: 10.1152/ajpcell.00364.2021. Epub 2022 Jan 26. (F.I. 4.249) GRUPO 4
35. **Cedro-Tanda A, Gómez-Romero L, de Anda-Jauregui G**, Garnica-López D, Alfaro-Mora Y, Sánchez-Xochipa S, García-García EF, **Mendoza-Vargas A**, Frías-Jiménez EJ, Moreno B, Campos-Romero A, Moreno-Camacho JL, Alcantar-Fernández J, Ortíz-Ramírez J, Benitez-González M, Trejo-González R, Aguirre-Chavarría D, Núñez-Martínez ME, Uribe-Figueroa L, Angulo O, Ruiz R, **Hidalgo-Miranda A, Herrera LA.** Early Genomic, Epidemiological, and Clinical Description of the SARS-CoV-2 Omicron Variant in Mexico City. *Viruses*. 2022 Mar 6;14(3):545. doi: 10.3390/v14030545. (F.I. 5.048) GRUPO 4
36. Cedeño-Pérez LF, **Gómez-Romero L.** CovDif, a Tool to Visualize the Conservation between SARS-CoV-2 Genomes and Variants. *Viruses*. 2022 Mar 9;14(3):561. doi: 10.3390/v14030561. (F.I. 5.048) GRUPO 4
37. Barajas-Martínez A, Mehta R, Ibarra-Coronado E, Fossion R, Martínez Garcés VJ, Arellano MR, González Alvarez IA, Bautista YVM, Bello-Chavolla OY, Pedraza NR, Encinas BR, Carrión CIP, Ávila MIJ, Valladares-García JC, Vanegas-Cedillo PE, Juárez DH, Vargas-Vázquez A, Antonio-Villa NE, Almeda-Valdes P, **Resendis-Antonio O**, Hiriart M, Frank A, Aguilar-Salinas CA, Rivera AL. Physiological Network Is Disrupted in Severe COVID-19. *Front Physiol*. 2022 Mar 10; 13:848172. doi: 10.3389/fphys.2022.848172. (F.I. 4.566) GRUPO 4
38. Esturau-Escofet N, Rodríguez de San Miguel E, Vela-Amieva M, García-Aguilera ME, Hernández-Espino CC, **Macias-Kauffer L**, López-Candiani C, Naveja JJ, Ibarra-González I. A Longitudinal 1H NMR-Based Metabolic Profile Analysis of Urine from Hospitalized Premature Newborns Receiving Enteral and Parenteral Nutrition. *Metabolites*. 2022 Mar 17;12(3):255. doi: 10.3390/metabo12030255. (F.I. 4.932) GRUPO 4
39. Oliva-Rico D, Fabian-Morales E, Cáceres-Gutiérrez RE, Gudiño A, Cisneros-Soberanis F, Dominguez J, Almaraz-Rojas O, Arriaga-Canon C, Castro-Hernández C, De la Rosa C, Reyes JL, **Herrera LA.** Methylation of Subtelomeric Chromatin Modifies the Expression of the lncRNA TERRA, Disturbing Telomere Homeostasis. *Int J Mol Sci*. 2022 Mar 18;23(6):3271. doi: 10.3390/ijms23063271. (F.I. 5.924) GRUPO 4
40. **Hernández-Lemus E**, Rosales C, Soto ME. Editorial: Integrative Approaches to the Molecular Physiology of Inflammation, Volume II. *Front Physiol*. 2022 Mar 18; 13:873295. doi: 10.3389/fphys.2022.873295. (F.I. 4.566) GRUPO 4
41. **Cruz-Rangel A, Gómez-Romero L**, Cisneros-Villanueva M, **de Anda Jáuregui G**, Luna-Pineda V, **Cedro-Tanda A**, Campos-Romero A, **Mendoza-Vargas A, Reyes-Grajeda JP, Hidalgo-Miranda A;** COVID-19 Consortium INMEGEN, **Herrera LA**, Vadillo-Ortega F. End-point RT-PCR based on a conservation landscape for SARS-COV-2 detection. *Sci Rep*. 2022 Mar 19;12(1):4759. doi: 10.1038/s41598-022-07756-6. (F.I.

4.38) GRUPO 4

42. Ortega-Meléndez AI, Montero-Molina S, Jiménez-Ortega RF, Ramírez-López E, Campos-Góngora E, **Velázquez-Cruz R**, Jiménez-Salas Z, Balderas-Rentería I. PPAR $\alpha$  polymorphisms association with total cholesterol and LDL-C levels in a Mexican population. *Eur Rev Med Pharmacol Sci*. 2022 Mar;26(6):2158-2164. doi: 10.26355/eurrev\_202203\_28363. (F.I. 3.507) GRUPO 4
43. **Jiménez-Morales S**, Ren X, Dean M. Editorial: The Genetic Causes Underlying Immune Mediated Disease: A Focus on Autoimmunity and Cancer. *Front Genet*. 2022 Mar 25; 13:889160. doi: 10.3389/fgene.2022.889160. (F.I. 4.599) GRUPO 4
44. Solis-Paredes JM, Montoya-Estrada A, Cruz-Rico A, Reyes-Muñoz E, Perez-Duran J, Espino Y Sosa S, Garcia-Salgado VR, Sevilla-Montoya R, Martinez-Portilla RJ, Estrada-Gutierrez G, Gomez-Ruiz JA, Mateu-Rogell P, **Villafan-Bernal JR**, Rojas-Zepeda L, Del Carmen Perez-Garcia M, Torres-Torres J. Plasma Total Antioxidant Capacity and Carbonylated Proteins Are Increased in Pregnant Women with Severe COVID-19. *Viruses*. 2022 Mar 30;14(4):723. doi: 10.3390/v14040723. (F.I. 5.048) GRUPO 4
45. Martínez-García M, Villegas Camacho JM, **Hernández-Lemus E**. Connections and Biases in Health Equity and Culture Research: A Semantic Network Analysis. *Front Public Health*. 2022 Mar 29; 10:834172. doi: 10.3389/fpubh.2022.834172. (F.I. 3.709) GRUPO4
46. Martínez-Magaña JJ, **Genis-Mendoza AD**, **González-Covarrubias V**, Juárez-Rojop IE, Tovilla-Zárate CA, Soberón X, Lanzagorta N, **Nicolini H**. Association of FAAH p.Pro129Thr and COMT p.Ala72Ser with schizophrenia and comorbid substance use through next-generation sequencing: an exploratory analysis. *Braz J Psychiatry*. Mar-Apr 2022;44(2):164-170. doi: 10.1590/1516-4446-2020-1546. (F.I. 3.016) GRUPO 4
47. Cáceres-Gutiérrez RE, Andonegui MA, Oliva-Rico DA, González-Barrios R, Luna F, Arriaga-Canon C, López-Saavedra A, Prada D, Castro C, Parmentier L, Díaz-Chávez J, Alfaro-Mora Y, Navarro-Delgado EI, Fabian-Morales E, Tran B, Shetty J, Zhao Y, Alcaraz N, De la Rosa C, Reyes JL, Hédouin S, Hubé F, Francastel C, **Herrera LA**. Proteasome inhibition alters mitotic progression through the upregulation of centromeric  $\alpha$ -satellite RNAs. *FEBS J*. 2022 Apr;289(7):1858-1875. doi: 10.1111/febs.16261. Epub 2021 Nov 18. (F.I. 5.542) GRUPO 4
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