

Progress Report Publication List
(P20-GM103642 & P30-GM149367)

1. Rivera A, Bracho-Rincón D, Miller MW. Localization of Cholecystokinin / Sulfakinin Neuropeptides in *Biomphalaria glabrata*, an Intermediate Host for Schistosomiasis. *J Comp Neurol*. 2025 Jan;533(1):e70016. doi: 10.1002/cne.70016. PMID: 39825709; PMCID: PMC11841659.
2. Cardona-Quñones, Roberto A; Ramírez-Rivera, Edicer; Álvarez-Torres, Edwin; Salem-Hernández, Saidy A; Vargas-Pérez, Noel J; De Jesús-Rojas, Wilfredo (2025) A Pilot Study of Primary Ciliary Dyskinesia: Sleep-Related Disorders and Neuropsychiatric Comorbidities. *J. Clinical Medicine*. 14(4).
3. Cunningham CR, Dimopoulos YP, García-Quñones IM, Milton DR, Delgado-Vélez M, Cho WC, Prieto VG, Lasalde-Dominicci JA, Ballester LY, Aung PP. Nicotinic Acetylcholine Receptor Expression in Merkel Cell Carcinoma Is Associated With Clinical and Histopathologic Parameters. *J Cutan Pathol*. 2025 Jan 15. doi: 10.1111/cup.14773. Epub ahead of print. PMID: 39814046.
4. Lloret-Torres M & Barreto-Estrada JL (2025) LF-DBS of the ventral striatum shortens persistence for morphine place preference and modulates BDNF expression in the hippocampus. *Behavioral brain research*. Feb. 4:477:115300. Doi: 10.1016/j.bbr.2024.115300
5. Pagan-Rivera LH, Ocasio-Rivera SE, Godoy-Vitorino F, Miranda JD (2024) Spinal Cord Injury: pathophysiology, possible treatments and the role of the gut microbiota. *Frontiers in Microbiology*. Dec. 18, 2024. DOI: 10.3389/fmicb.2024.1490855
6. Daraishka Pérez-Caraballo, Grace Torres , Sthephanie Estrada , Yaritza Inostroza-Nieves, Dinely Pérez , Pedro Ferchmin , Yamixa Delgado, Yancy Ferrer-Acosta. Neuroprotection and activation of anti-inflammatory and plasticity mechanisms by PLC- β inhibition after cholinergic hyperstimulation in hippocampal slices and microglial cells" *IBRO Neuroscience Reports*. Accepted 20 November 2024, Available online 21 November 2024. <https://doi.org/10.1016/j.ibneur.2024.11.011>
7. Cardona-Jordan KM, Lay-Rivera XX, Cartagena-López E, Bracho-Rincón, DL, González-Bermejo R, Alvarado-Monefeldt GL, Gonzalez Del Toro JP, Esquilín-Rodríguez CJ, Lloret-Torres M, Velázquez-Marrero C (2024) Sex Differences in contextual extinction learning after single binge-like EtOH Exposure in Adolescent C57BL/6J Mice. *bioRxiv*. Oct. 6. Doi: 10.1101/2024.10.25.620195
8. Delgado Y, Torres-Sanchez A, Perez D, Torres G, Estrada S, Ortiz-Alvelo N, Vega J, Santos L, Torres A, Madera BA, Ferrer-Acosta Y (2024) Deferasirox's Anti-Chemoresistance and Anti-Metastatic Effect on Non-Small Cell Lung Carcinoma. *Biomedicine*. 12(10), p. 2272. Bio: 10.3390/biomedicines12102272.
9. Villalobos-Santos JC, Carrasquillo-Rivera M, Rodriguez-Cordero JA, Quesada O and Lasalde-Dominicci JA (2024) Insights into crystallization of neuronal nicotinic $\alpha 4\beta 2$ receptor in polarized lipid matrices. *Crystals*. 14(1), 889. Doi: [org/10.3390/cryst14100889](https://doi.org/10.3390/cryst14100889).
10. Colón-Mercado JM, Torrado-Tapias AI, Salgado IK, Santiago JM, Rivera SEO, Bracho-Rincon DP, Rivera LHP, Miranda JD. (2024) The sexually dimorphic expression of glutamate transporters and their implication in pain after spinal cord injury. *Neural Regen Res*. Sep. 24. doi: 10.4103/NRR.NRR-D-24-00035
11. Cordero Padilla K, Alvarado Monefeldt G, Guervarez Galan A, Marrero HG, Lloret-Torres ME, Velazquez-Marrero C (2024) BK Zero isoform HEK293 stably transfected cell line differing 3' UTRs to assess miR-9 regulation. *PloS One*. 19(3): e0298966. Doi: 10.1371/journal.pone.0298966.
12. Dominicci-Cotto C, Vazquez M and Marie B (2024) The wingless planar cell polarity pathway is essential for optimal activity-dependent synaptic plasticity. *Frontiers in synaptic neurosc*. 16, 1322771. Doi: 10.3389/fnsyn.2024.1322771
13. Torres-Sanchez A, Torres G, Estrada S, Perez D, Garcia C, Milian M, Velazquez E, Molina V, Delgado Y (2024) Unraveling the impact of six pentacyclic triperpenes regulating metabolic pathways on lung carcinoma cells. *Pharmaceutical*. May 28: 17(6), p. 694. Doi: 10.3390/ph17060694
14. Vassjo LO and Miller MW (2024) A conserved gastropod withdrawal circuit in *Biomphalaria glabrata*, an intermediate host for schistosomiasis. *J. Neurophysiol*. Doi: 10.1152/jn.00390.2023. PMID: 38478883 Online ahead of print.
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18. Maldonado-Hernández R, Quesada O, González-Feliciano JA, Baerga-Ortiz A, Lasalde-Dominicci JA. Identification of the native *Torpedo californica* nicotinic acetylcholine receptor's glycan composition after a multi-step sequential purification method using MALDI-ToF MS. *Proteomics*. 2023 Oct 30:e2300151. doi: 10.1002/pmic.202300151. Epub ahead of print. PMID: 37904306.
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21. Vicente-Rodriguez LC, Torres-Arroyo AC, Hernandez-Vazquez A, Rosa-Casillas MR, Bracho-Rincon DP, Mendez de Jesus, P, Behra ML, Habib MR, Zhou X, Rosenthal, JJ, Miller MW (2023) The FMRF-NH2 gated sodium channel of *Biomphalaria glabrata*: Localization and expression following infection by *Schistosoma mansoni*. *Plos Neglected Tropical Diseases*. June 2023, 1-28
<https://doi.org/10.1371/journal.pntd.001249>
22. Orestes Quesada, Joel E. González-Nieves, José Colón, Rafael Maldonado-Hernández, Carol González-Freire, Jesús Acevedo-Cintrón, Irvin D. Rosado-Millán, José A. Lasalde-Dominicci (2023) Assessment of Purity, Functionality, Stability, and Lipid Composition of Cyclofos-nAChR-Detergent Complexes from *Torpedo californica* Using Lipid Matrix and Macroscopic Electrophysiology. *The Journal of Molecular Membranes*. <https://doi.org/10.1007/s00232-023-00285-x>
23. Lyanne M. García Sánchez, Jennifer M. Colón Mercado, Aranza I. Torrado Tapias, Kenneth Padín Díaz, Jorge D. Miranda, and José M. Santiago Santana (2023) The limited effects of estradiol administration immediately after spinal cord injury. *PRHSJ* 42(1), 23-28.
24. Akamine P, Gonzalez-Feliciano JA, Almodovar R, Morell G, Rivera J, Capo-Velez CM, Delgado-Velez M, Prieto-Costas L, Madera B, Eichinger D, Pino I, Rivera JH, Ortiz-Ubarri J, Rivera JM, Baerga-Ortiz A and Lasalde-Dominicci JA (2023) Optimizing the production of gp145, an HIV-1 Envelope Glycoprotein Vaccine Candidate and Its Encapsulation in Guanosine Microparticles. *Vaccines*. 11 (975), 1-23
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28. Fernando Vera-Urbina, María F. Dos Santos-Torres, Filipa Godoy-Vitorino and Bianca A. Torres-Hernández (2022) The Gut Microbiome May Help Address Mental Health Disparities in Hispanics: A Narrative Review. *Microorganisms*, 10; p. 763-778
29. Yancy Ferrer-Acosta, Sergio Rodriguez-Massó, Dinely Pérez, Vesna A. Eterovic, P.A. Ferchmin, and Antonio Henrique Martins (2022) Memantine has a nicotinic neuroprotective pathway in acute hippocampal slices after an NMDA insult. *Toxicol In Vitro*. 84: [105453](https://doi.org/10.1016/j.tiv.2022.105453). doi: 10.1016/j.tiv.2022.105453 PMCID: PMC10026604 PMID: 35944748
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