



INSTITUTO DE CIENCIAS MÉDICAS (I.C.M.)

El Instituto de Ciencias Médicas se enorgullece de anunciar que durante el año 2022 hemos publicado **22** estudios científicos en revistas internacionales indexadas.

¡FELICIDADES A NUESTROS INVESTIGADORES!

PUBLICACIONES 2022

1. Núñez-Samudio, V., Pimentel-Peralta, G., De La Cruz, A., & Landires, I. (2023). Genetic Diversity and New Sequence Types of *Escherichia coli* Coharboring β -Lactamases and PMQR Genes Isolated from Domestic Dogs in Central Panama. *Genes*; 14(1):73. <https://doi.org/10.3390/genes14010073>
2. Núñez-Samudio, V., Pimentel-Peralta, G., Herrera, M., Pecchio, M., Quintero, J., & Landires, I. (2022). Molecular Genetic Epidemiology of an Emerging Antimicrobial-Resistant *Klebsiella pneumoniae* Clone (ST307) Obtained from Clinical Isolates in Central Panama. *Antibiotics*, 11(12), 1817. <https://doi.org/10.3390/antibiotics11121817>
3. Courville, K., Milord, R., Cerrud, J., & Bustamante, N. (2022). Overcoming obstacles in Panama to starting a renal biopsy program in a rural area during the COVID-19 pandemic. *Journal of Nephrology*: 35, 2387–2389. <https://doi.org/10.1007/s40620-022-01403-z>
4. Courville, K., Bustamante, N., Hurtado, B., Pecchio, M., Rodríguez, C., Núñez-Samudio, V., & Landires, I. (2022). Chronic kidney disease of nontraditional causes in central Panama. *BMC Nephrology*, 23(1), 275-275. <https://doi.org/10.1186/s12882-022-02907-3>
5. Courville K, Bernal W, Quiel D, Pecchio M, Bustamante N, & Landires I. (2022). Diagnostic evaluation and assessment of anemia in a patient with chronic kidney disease and

“Desde el corazón de Panamá, haciendo ciencia con conciencia”



gastrointestinal angioectasias undergoing hemodialysis. *Clinical Case Reports*.
<https://doi.org/10.1002/ccr3.6027>

6. Aguillon, D., Vasquez, D., Madrigal, L., Moreno, S., Hernández, D., Isaza-Ruget, M., Lopez, J. J., Landires, I., Núñez-Samudio V, Restrepo CM, Vidal OM, Vélez JI, Arcos-Holzinger M, Lopera F & Arcos-Burgos M. (2022). Ataxia with Ocular Apraxia Type 1 (AOA1) (APTX, W279* Mutation): Neurological, Neuropsychological, and Molecular Outlining of a Heterogenous Phenotype in Four Colombian Siblings. *Mol Neurobiol* 59, 3859
<https://doi.org/10.1007/s12035-022-02821-7>
7. Dembélé, R., Kambou, M., Traoré, O., Aimé, W., Kaboré, D., Ouédraogo-Kangambega, M., Soulama, I., Arcos Holzinger, M., Landires, I., Kabré, E., Sababenedyo Traoré, A., & Barro, N. (2022). Physicochemical Characteristics and Vitamin A Fortification Levels of Refined Edible Oils Available in the Markets of Ouagadougou, Burkina Faso. *Food Sci Nutr Res*, 5(1), 1-8. <https://www.scivisionpub.com/abstract-display.php?id=2488>
8. Haeuser, E., Serfes, A. L., Cork, M. A. *et al.* (2022). Mapping age- and sex-specific HIV prevalence in adults in sub-Saharan Africa, 2000–2018. *BMC Med* 20, 488.
<https://doi.org/10.1186/s12916-022-02639-z>
9. Reiner, R.C., LBD Triple Burden Collaborators. & Hay, S. I. (2022). The overlapping burden of the three leading causes of disability and death in sub-Saharan African children. *Nat Commun* 13, 7457. <https://doi.org/10.1038/s41467-022-34240-6>
10. GBD 2019 Antimicrobial Resistance Collaborators. (2022). Global mortality associated with 33 bacterial pathogens in 2019: a systematic analysis for the Global Burden of Disease Study 2019. *The Lancet*. [https://doi.org/10.1016/S0140-6736\(22\)02185-7](https://doi.org/10.1016/S0140-6736(22)02185-7)
11. GBD 2019 Snakebite Envenomation Collaborators. (2022). Global mortality of snakebite envenoming between 1990 and 2019. *Nat Commun* 13, 6160. <https://doi.org/10.1038/s41467-022-33627-9>
12. GBD 2019 Benign Prostatic Hyperplasia Collaborators. (2022). The global, regional, and national burden of benign prostatic hyperplasia in 204 countries and territories from 2000 to



- 2019: a systematic analysis for the Global Burden of Disease Study 2019. *The Lancet Healthy Longevity* 3.11. [https://doi.org/10.1016/S2666-7568\(22\)00213-6](https://doi.org/10.1016/S2666-7568(22)00213-6)
13. GBD 2019 Cancer Risk Factors Collaborators. (2022). The global burden of cancer attributable to risk factors, 2010-19: a systematic analysis for the Global Burden of Disease Study 2019. *Lancet*. [https://doi.org/10.1016/S0140-6736\(22\)01438-6](https://doi.org/10.1016/S0140-6736(22)01438-6)
 14. GBD 2019 LRI Collaborators. (2022). Age-sex differences in the global burden of lower respiratory infections and risk factors, 1990-2019: results from the Global Burden of Disease Study 2019. *Lancet Infect Dis*. [https://doi.org/10.1016/S1473-3099\(22\)00510-2](https://doi.org/10.1016/S1473-3099(22)00510-2)
 15. GBD 2019 Diabetes in the Americas Collaborators. (2022). Burden of diabetes and hyperglycaemia in adults in the Americas, 1990-2019: a systematic analysis for the Global Burden of Disease Study 2019. *Lancet Diabetes Endocrinol*. [https://doi.org/10.1016/S2213-8587\(22\)00186-3](https://doi.org/10.1016/S2213-8587(22)00186-3)
 16. GBD 2019 Adolescent Transport and Unintentional Injuries Collaborators. (2022). Adolescent transport and unintentional injuries: a systematic analysis using the Global Burden of Disease Study 2019. *Lancet Public Health*. [https://doi.org/10.1016/S2468-2667\(22\)00134-7](https://doi.org/10.1016/S2468-2667(22)00134-7)
 17. GBD 2019 Hepatitis B Collaborators. (2022). Global, regional, and national burden of hepatitis B, 1990-2019: a systematic analysis for the Global Burden of Disease Study 2019. *Lancet Gastroenterol Hepatol*. [https://doi.org/10.1016/S2468-1253\(22\)00124-8](https://doi.org/10.1016/S2468-1253(22)00124-8)
 18. GBD 2019 Colorectal Cancer Collaborators. (2022) Global, regional, and national burden of colorectal cancer and its risk factors, 1990-2019: a systematic analysis for the Global Burden of Disease Study 2019. *Lancet Gastroenterol Hepatol*. [https://doi.org/10.1016/S2468-1253\(22\)00044-9](https://doi.org/10.1016/S2468-1253(22)00044-9)
 19. GBD 2019 Ageing Collaborators. (2022). Global, regional, and national burden of diseases and injuries for adults 70 years and older: systematic analysis for the Global Burden of Disease 2019 Study. *BMJ*. <https://doi.org/10.1136/bmj-2021-068208>
 20. Global Burden of Disease 2019 Cancer Collaboration. (2022). Cancer incidence, mortality, years of life lost, years lived with disability, and disability-adjusted life years for 29 cancer



groups from 2010 to 2019: A Systematic Analysis for the Global Burden of Disease Study 2019. *JAMA Oncol.* <https://jamanetwork.com/journals/jamaoncology/fullarticle/2787350>

21. GBD 2019 Adolescent Young Adult Cancer Collaborators. (2022). The global burden of adolescent and young adult cancer in 2019: a systematic analysis for the Global Burden of Disease Study 2019. *Lancet Oncol.* [https://doi.org/10.1016/S1470-2045\(21\)00581-7](https://doi.org/10.1016/S1470-2045(21)00581-7)
22. GBD 2019 Tuberculosis Collaborators. (2022). Global, regional, and national sex differences in the global burden of tuberculosis by HIV status, 1990-2019: results from the Global Burden of Disease Study 2019. *Lancet Infect Dis.* [https://doi.org/10.1016/S1473-3099\(21\)00449-7](https://doi.org/10.1016/S1473-3099(21)00449-7)

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