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## Education

- 2014 Ph.D. in Science/Molecular Microbiology. Center for Research in Food and Development, A.C. Hermosillo, Sonora, Mexico
- 2002 Master's in Science/Microbiology. Center for Research in Food and Development, A.C. Hermosillo, Sonora, Mexico
- 1999 B.S. in Chemist Biologist/ Food Technology. Sonora University, Hermosillo, Sonora, Mexico.

## Professional Experience:

- 2021- Senior Laboratory Technician. The University of Rio Grande Valley, McAllen, Texas
- 2015-2019 CONACYT Research Fellow. Genomic Biotechnology Center (CBG-IPN). Reynosa, Tamaulipas, Mexico.
- 2014-2015 Professor. Durango Santander University, Medicine Department. Hermosillo, Sonora, Mexico.
- 2014 Professor. Sonora University, Biological and Chemical Sciences Department, Hermosillo, Sonora, Mexico.
- 2006-2010 Quality Chief (quality manager). Lancer (Mexican Livestock Company). Hermosillo, Sonora, Mexico.
- 2003-2005 Quality Control Inspector. Bachoco (Mexican Poultry Company). Lagos de Moreno, Jalisco, Mexico.
- 2003 Microbiology and Quality Inspection Analyst. Condiments of Mexico. San Luis Potosí, SLP, Mexico.

## Recent Publications

1. Martínez-Vázquez V, **Guardiola-Avila I**, Flores-Magallon R, Rivera G, Bocanegra-García V. 2021. Detection of multidrug resistance and methicillin-resistant *Staphylococcus aureus* (MRSA) isolates from retail meat in Tamaulipas, Mexico. *Annals of Microbiology* 71:16. <https://doi.org/10.1186/s13213-021-01627-7>

2. **Guardiola-Avila I**, Sánchez-Busó L, Acedo-Félix E†, Gomez-Gil B, Zúñiga-Cabrera M, González-Candelas F, Noriega-Orozco L. 2021. Core and Accessory Genome Analysis of *Vibrio mimicus*. *Microorganisms* 9,191. <https://doi.org/10.3390/microorganisms9010191>.
3. **Guardiola-Avila I**, Martínez-Vázquez V, Juárez-Rendón KJ, Alvarez-Ainza M, Paz-González A, Rivera G. 2020. Prevalence and virulence of *Vibrio* species isolated from raw shrimp from retail markets in Reynosa, Tamaulipas. *Letters in Applied Microbiology*, 71(3):280-286. [doi.org/10.1111/lam.13315](https://doi.org/10.1111/lam.13315).
4. **Guardiola-Avila I**, Martínez-Vázquez V, Requena-Castro R, Rivera G, Juárez-Rendón KJ, Rivera G, Bocanegra-García V. 2018. Isolation and identification of *Vibrio* species in the Rio Bravo/Grande and water bodies from Reynosa, Tamaulipas. *Letters in Applied Microbiology*, 67: 190-196.
5. Cruz-González E, Martínez-Vázquez AV, García-León I, **Guardiola-Avila IB**, Rivera-Sánchez G, Bocanegra-García V. 2017. Detection of virulence factors in *Escherichia coli* isolated from meat in northeastern Tamaulipas. In: *Research in Science and Food Safety*. Guadalajara University. 1st ed. pp. 522-525. ISBN: 978-607-8490-35-6. Guadalajara, Jalisco, México.
6. Juárez-Rendón KJ, Rivera Sánchez G, Reyes-López MA, García-Ortiz JE, Bocanegra-García V, **Guardiola-Avila I**, Altamirano-García ML. 2017. Alopecia Areata. Current situation and perspectives. *Arch Argent Pediatr* 115(6): e404-e411.
7. **Guardiola-Avila I**, Martínez-Vázquez AV, Requena-Castro R, Rivera Sánchez G, Bocanegra-García V. 2017. Isolation and Identification of *Vibrio cholerae* Isolated from the Río Bravo flow in the Reynosa Region, Tamaulipas. *CiBlyT magazine* 12(35): 183-186. ISSN 1870-056X.
8. Martínez-Vázquez V, García-León I, **Guardiola-Avila I**, De Luna-Santanilla Erick, Rivera G, Bocanegra-García V. 2017. Enterobacteriaceae Isolated on Raw Chicken for Sale in Reynosa, Tamaulipas. *CiBlyT magazine* 12(35): 51-53. ISSN 1870-056X.
9. Martínez-Vázquez AV, Reyes-López MA, **Guardiola-Avila I**, Bocanegra-García V. 2016. Distribution prevalence of *Salmonella* spp. in beef and pork commercial in Tamaulipas. In: *Studies in Food Safety and Microbiology*. Guadalajara University. 1st ed, pp. 226-229. ISBN: 978-607-8490-07-3. Guadalajara, Jalisco, México.
10. **Guardiola-Avila, I.**, Acedo-Felix, E., Yepiz-Plascencia, G., Sifuentes-Romero, I. y Gómez-Gil. B, Noriega-Orozco, L. 2016. Molecular and Genomic Characterization of *Vibrio mimicus* isolated from a frozen shrimp processing facility in Mexico. *PLoS ONE* 11(1): e0144885. [doi:10.1371/journal.pone.0144885](https://doi.org/10.1371/journal.pone.0144885).
11. L. Félix-Valenzuela, **I. Guardiola-Avila**, A. Burgara-Estrella, M. Ibarra-Zavala, V. Mata-Haro. 2015. Genotypic and phenotypic diversity of *Alicyclobacillus acidocaldarius* isolates. *Letters in Applied Microbiology* 61: 367-373. [doi:10.1111/lam.12464](https://doi.org/10.1111/lam.12464)
12. **Guardiola-Avila, I.**, Noriega-Orozco, L., Gomez-Gil B, Acedo-Félix, E. 2015. Virulence Factors of *Vibrio mimicus*. *BIOTecnia magazine* VXII(2): 38-49.
13. **Guardiola-Avila, I.**, Acedo-Félix, E., Lara, A.E., Tapia-Olea, M.M., Noriega-Orozco, L. 2015. Presence of the hemolysin gene of *Vibrio mimicus* in fish and seafood products in Sonora, México. *Journal of Food Research* 4(1): 66-76.
14. **Guardiola-Avila, I.**, Acedo-Felix, E., Noriega-Orozco, L., Yepiz-Plascencia, G., Sifuentes-Romero, I. y Gómez-Gil. B. 2013. Draft Genome Sequence of *Vibrio mimicus* Strain CAIM 602T. *Genome Announcements* 1(2): e00084-13.
15. **Guardiola-Avila I.**, Noriega-Orozco L., Acedo-Félix E. Technical Report: Detection of *Vibrio mimicus* in food and clinic samples. Delivery to the State Public Health Laboratory of the State of Sonora (LESP). November 2011.
16. Sánchez-Mariñes, R.I., **Guardiola-Avila, I.B.**, Moreno-Ibarra, G.M., Castellón-Campaña, L.C., Escárcega-Urquijo, H.M. 2001. Sanitary study of Food Consumption in a Child Development Center of Hermosillo Sonora. *Biociencia Magazine* 2(3): 92-97.