



❖ **DATOS PERSONALES**

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❖ **FORMACIÓN ACADÉMICA**

- Dra. En Ciencias en Inmunología
- Maestra en Ciencias en Inmunología
- Químico Bacteriólogo Parasitólogo

❖ **POSICIÓN ACTUAL**

- Profesora Investigadora

❖ **LÍNEAS DE INVESTIGACIÓN**

- Seroprevalencia de la Enfermedad de Chagas
- Respuesta Inmune inducida por Aislados Mexicanos de la Enfermedad de Chagas
- Efecto de la Luteína sobre Hígado graso no Alcohólico.

❖ **PUBLICACIONES**

**Artículos**

1. Gonzalez-Guzman, S., et al., Seroprevalence of Trypanosoma cruzi in Eight Blood Banks in Mexico. Arch Med Res, 2022. 53(6): p. 625-633.
2. Broberg, L., et al., Isolation and characterization of eosinophils in bovine blood and small intestine. Vet Immunol Immunopathol, 2021. 242: p. 110352.
3. Cruz-Sánchez J.J., Jiménez-Pineda, R., Gutiérrez-Moguel N.V., Acosta-Chí Z.A., Regalado-Santiago C., González-Cano P. (2021) Evaluación de marcadores antropométricos de riesgo cardiometabólico en adultos de una comunidad de la región Cañada de Oaxaca, México. Revista Salud Pública y Nutrición, 20(3), 8-17
4. Natividad Ramírez-Pereda, Citlalli Regalado-Santiago, Jacob Jonatan Cruz-Sánchez, Octavio Rodríguez- Cortés, Patricia González-Cano, (2020); "Vacunas, adyuvantes y bacteriófagos como vectores vacunales"; Revista Bioquímica. **31 (3): 43-56.** DOI: <https://doi.org/10.32776/revbiomed.v31i3.799>

5. Facciuolo, A., et al., Regional Dichotomy in Enteric Mucosal Immune Responses to a Persistent *Mycobacterium avium* ssp. *paratuberculosis* Infection. *Front Immunol*, 2020. 11(1020).
6. Regalado-Santiago, C; Orlando Guerrero I, J; **González Cano, P**; Santiago Roque, I; Ordaz Hernández A. Pruebas de Laboratorio en el Lugar de Asistencia (POTC) para Pacientes con Diabetes Mellitus; (2019); 4(7):6-16
7. Dadarwal D, **González-Cano P**, Dickinson R, Griebel P, Palmer, C. Characterization of cytokine gene expression in uterine cytobrush samples of non-endometritic versus endometritic postpartum dairy cows. *Theriogenology*, (2019). 126: p. 128-139.
8. González-Guzmán, S., et al., Seroprevalence and geographical distribution of sero-positive blood donors to *Trypanosoma cruzi* at the central blood bank of the National Medical Center "La Raza". *Transfusion*, 2019. 59(2): p. 639-647.
9. González-Cano, P., et al., Lambda display phage as a mucosal vaccine delivery vehicle for peptide antigens. *Vaccine*, 2017. 35(52): p. 7256-7263.
10. Osman, R., et al., Development and Function of the Mucosal Immune System in the Upper Respiratory Tract of Neonatal Calves. *Annu Rev Anim Biosci*, 2018. 6: p. 141-155.
11. Osman, R., et al., Induction of interferon and interferon-induced antiviral effector genes following a primary bovine herpesvirus-1 (BHV-1) respiratory infection. *J Gen Virol*, 2017. 98(7): p. 1831-1842.
12. Facciuolo, A., et al., Marked Differences in Mucosal Immune Responses Induced in Ileal versus Jejunal Peyer's Patches to *Mycobacterium avium* subsp. *paratuberculosis* Secreted Proteins following Targeted Enteric Infection in Young Calves. *PLoS One*, 2016. 11(7).
13. Mirabzadeh-Ardakani, A., et al., Tissue- and age-dependent expression of the bovine DEFB103 gene and protein. *Cell Tissue Res*, 2016. 363(2): p. 479-90.
14. González-Cano, P., et al., Two functionally distinct myeloid dendritic cell subpopulations are present in bovine blood. *Dev Comp Immunol*, 2014. 44(2): p. 378-88.
15. Charavaryamath, C., et al., Host responses to persistent *Mycobacterium avium* subspecies *paratuberculosis* infection in surgically isolated bovine ileal segments. *Clin Vaccine Immunol*, 2013. 20(2): p. 156-65.
16. González-Cano, P., et al., *Mycobacterium tuberculosis* H37Rv induces ectosome release in human polymorphonuclear neutrophils. *Tuberculosis*, 2010. 90(2): p. 125-34.

## Libros

- No Aplica

## Capítulos de libro



Patricia González-Cano, Rommel Chacón-Salinas, Victoria Ramos-Kichik, Rogelio Hernández-Pando, Jeanet Serafín-López, Georgina Filio-Rodríguez, Sergio Estrada-Parra and Iris Estrada-García. Chapter title: “*Double Edge Sword: The Role of Neutrophils in Tuberculosis*”. INTECH Open Access Book. Understanding Tuberculosis - Analyzing the Origin of Mycobacterium Tuberculosis Pathogenicity, ISBN 978-953-307-942-4. Capítulo de libro

#### ❖ **SIMPOSIA, CONGRESOS, FOROS Y CONFERENCIAS**

- **Patricia González-Cano**, Lakshman N. A. Gammage, Sidney Hayes, Connie Hayes and Philip Griebel, Conference of Researchers in Animal Diseases (CWARD) 2013. “Lambda Phage as Mucosal Vaccine Delivery Vehicle”. Presentación Oral.
- **Patricia González-Cano**, Yurij I. Popowych and Philip J. Griebel. “Phenotypic and Functional Characterization of Two Distinct Dendritic Cell Subpopulations in the Blood of Cattle” 19<sup>th</sup> Annual Life & Health Sciences Research Day. March 2012, Saskatoon, SK. Canada. Poster
- **P. González-Cano**, Serafin López J, Ortega Roque J, Castañeda Casimiro J, Estrada Parra S and Estrada García I. “*Mycobacterium tuberculosis* H37rv Infection Triggers An Unfolded Protein Response (Upr) In Human Polymorphonuclear Neutrophils (PMN)”. IV Symposia “Frontiers of knowledge in Tuberculosis and other micobacteriosis”. Mexico, 2010. Poster
- **P. González-Cano**, H. Avalos Flores, J. Serafin López, L. Flores Romo and I. Estrada García. “Cytoplasmic Expression of M-ki67 In Human Polymorphonuclear Neutrophils from Healthy Donors”. 9<sup>th</sup> Latin American Congress of Immunology. Mexico. 2009. Poster
- **P. González-Cano**, Mondragon Castelan M., Ramos Kichick V, Vargas González A, Mondragón Flores R. and Estrada García I. “Induction Of Sub Cellular Changes In Human Neutrophils Infected With *Mycobacterium tuberculosis* H37rv And *Mycobacterium canetti*”. 13<sup>th</sup> International Congress of Immunology. Brazil. 2007. Poster
- V. Ramos-Kichik, **P. González-Cano**, J. Serafín-López S. A. Estrada-Parra, O. Rojas-Espinoza and I. Estrada-García. “In Vitro Interaction Between Human Neutrophils And *Mycobacterium tuberculosis*”. 13<sup>th</sup> International Congress of Immunology. Brazil. 2007. Poster
- **P. González-Cano**, R. Ramos Payán, I. Estrada García, A. Monroy Ostría and O. Hernández-Montes. “Differential display on Strains of *Leishmania (L.) mexicana* Producers of Cutaneous Located



# Universidad de la Cañada

*praeteritum noscere, posterum molior ~ Kiitsela bindava xi sa chjitse*

Teotitlán de Flores Magón



Leishmaniosis and Diffuse Cutaneous Leishmaniosis. Third World Congress on Leishmaniosis, Sicily Italy; April 2005. Poster

- **Patricia González-Cano** and Omar Hernández-Montes. “Design of a PCR system to discriminate simultaneously *Leishmania mexicana* and *Leishmania braziliensis* strains”. XV National congress of Parasitology, CONAPAR; Guanajuato Mexico September 2002. Presentación Oral.