

# Curriculum Vitae

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## Education

Universidad del Valle (Colombia) PhD Biomedical Sciences	2014
Universidad del Valle (Colombia) MSc Basic Medical Sciences (Major in Microbiology)	2007
Universidad del Valle (Colombia) BSc Biology (Major in Genetics)	2001
University of Texas Medical Branch Post-Doctoral Certificate Effective Teaching and Mentoring	2016
University of Texas Medical Branch Post-Doctoral Certificate Advanced Biomedical Research Strategies	2015

## Teaching Experience

College of the Mainland <i>Texas City, Tx</i>	2020	Present
Galveston College <i>Galveston, Tx</i>	2019	Present
University of Texas Medical Branch Replacement Facilitator for PBL <i>Galveston, Tx</i>	2016	Present
Fundación Universitaria del Area Andina <i>Bogotá, Colombia</i>	2006	2008
Universidad Nacional de Colombia <i>Bogotá, Colombia</i>	2006	2008

## Significant Publications

Reyes VE, Peniche AG. Helicobacter pylori deregulates T and B Cell Signaling to Trigger Immune Evasion. In: Backert S. (eds) Molecular Mechanisms of Inflammation: Current Topics in Microbiology and Immunology, 2019 vol 421. pp 229-265, Springer.

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Peniche AG, Spinler JK, Boonma P, Savidge TC, Dann SM. Aging impairs protective host defenses against Clostridioides (Clostridium) difficile infection in mice by suppressing neutrophil and IL-22 mediated immunity. *Anaerobe* 2018 Aug 9;54:83-91

Peniche AG, Bonilla DL, Palma GI, Melby PC, Travi BL, Osorio EY. A secondary wave of neutrophil infiltration causes necrosis and ulceration in lesions of experimental American cutaneous leishmaniasis. *PLoS One*. 2017 Jun 7;12(6):e0179084.

Peniche AG, Renslo AR, Frantz DE, Melby PC, Travi BL. Antileishmanial activity of disulfiram in an ex vivo system is enhanced by the addition of divalent metal ions. *Antimicrob Agents Chemother*. 2015 Oct;59(10):6463-70.

Peniche AG, Osorio Y, Renslo AR, Frantz DE, Melby PC, Travi BL. Development of an ex vivo lymph node explant model for the identification of novel molecules active against *Leishmania (L.) major*. *Antimicrob Agents Chemother*. 2014 Jan;58(1):78-87.

Peniche AG, Savidge TC, Dann SM. Recent insights into *Clostridium difficile* pathogenesis. *Curr Opin Infect Dis*. 2013 Oct;26(5):447-53.

Ibrahim MK, Barnes JL, Anstead GM, Jimenez F, Travi BL, Peniche AG, Osorio Y, Ahuja SS, Melby PC. The malnutrition-related increase in early visceralization of *Leishmania donovani* is associated with reduced lymph node cellularity and phagocytic capacity, and altered conduit system flow. *PLoS Negl Trop Dis*. 2013 Aug;7(8):e2329

Osorio Y, Rodriguez LD, Bonilla DL, Peniche AG, Henao H, Saldarriaga O, Travi BL. Congenital transmission of experimental leishmaniasis in a hamster model. *Am J Trop Med Hyg*. 2012 May;86(5):812-20.

Laza C, Peniche AG, Castillo LR, Silva PA, González LF. The pray: a cultural care practice for American cutaneous leishmaniasis in Florian, Santander (Colombia). *Index Enferm* 2009. 18(3): 151-155.

Osorio Y, Bonilla DL, Peniche AG, Melby PC, Travi BL. Pregnancy enhances the innate immune response in experimental cutaneous leishmaniasis through hormone-modulated nitric oxide production. *J Leukoc Biol*. 2008 Jun;83(6):1413-22.

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