

Stanford

Rodolfo Vicetti Miguel

Senior Research Scientist - Basic Life Science, Comparative Medicine

Bio

INSTITUTE AFFILIATIONS

- Member, Stanford Cancer Institute

HONORS AND AWARDS

- Mentorship Program, Society for Mucosal Immunology (2019-2021)
- Carl Storm Underrepresented Minority Fellowship, Gordon Research Conference (2018)
- Travel Award for Mucosal Immunology Course & Symposium, Society for Mucosal Immunology (2018)
- Cora Verhagen Prize for the Best Ocular Immunology Presentation, Association for Research in Vision and Ophthalmology (2009)
- Travel award to present at the Molecular Targets for Cancer Therapy, 5th Biennial Meeting: Regulatory Myeloid Suppressor Cells in Health & Disease (2009)

EDUCATION AND CERTIFICATIONS

- MD, National University of Saint Augustine School of Medicine , Medicine (2007)

Publications

PUBLICATIONS

- **Exogenous oestrogen inhibits genital transmission of cell-associated HIV-1 in DMPA-treated humanized mice.** *Journal of the International AIDS Society*
Quispe Calla, N. E., Vicetti Miguel, R. D., Glick, M. E., Kwiek, J. J., Gabriel, J. M., Cherpes, T. L.
2018; 21 (1)
- **IL-4-secreting eosinophils promote endometrial stromal cell proliferation and prevent Chlamydia-induced upper genital tract damage.** *Proceedings of the National Academy of Sciences of the United States of America*
Vicetti Miguel, R. D., Quispe Calla, N. E., Dixon, D., Foster, R. A., Gambotto, A., Pavelko, S. D., Hall-Stoodley, L., Cherpes, T. L.
2017
- **Medroxyprogesterone acetate and levonorgestrel increase genital mucosal permeability and enhance susceptibility to genital herpes simplex virus type 2 infection** *MUCOSAL IMMUNOLOGY*
Calla, N. E., Miguel, R. D., Boyaka, P. N., Hall-Stoodley, L., Kaur, B., Trout, W., Pavelko, S. D., Cherpes, T. L.
2016; 9 (6): 1571-1583
- **Intravaginal Chlamydia trachomatis Challenge Infection Elicits T(H)1 and T(H)17 Immune Responses in Mice That Promote Pathogen Clearance and Genital Tract Damage** *PLOS ONE*
Miguel, R. D., Calla, N. E., Pavelko, S. D., Cherpes, T. L.
2016; 11 (9)
- **Human female genital tract infection by the obligate intracellular bacterium Chlamydia trachomatis elicits robust Type 2 immunity.** *PloS one*
Vicetti Miguel, R. D., Harvey, S. A., LaFramboise, W. A., Reighard, S. D., Matthews, D. B., Cherpes, T. L.
2013; 8 (3)
- **Dendritic Cell Activation and Memory Cell Development Are Impaired among Mice Administered Medroxyprogesterone Acetate Prior to Mucosal Herpes Simplex Virus Type 1 Infection** *JOURNAL OF IMMUNOLOGY*
Miguel, R. D., Hendricks, R. L., Aguirre, A. J., Melan, M. A., Harvey, S. A., Terry-Allison, T., St Leger, A. J., Thomson, A. W., Cherpes, T. L.

2012; 189 (7): 3449-3461

- **CTL Induction of Tumorcidal Nitric Oxide Production by Intratumoral Macrophages Is Critical for Tumor Elimination** *JOURNAL OF IMMUNOLOGY*
Miguel, R. D., Cherpes, T. L., Watson, L. J., McKenna, K. C.
2010; 185 (11): 6706-6718
- **Norethisterone Enanthate Increases Mouse Susceptibility to Genital Infection with Herpes Simplex Virus Type 2 and HIV Type 1.** *ImmunoHorizons*
Quispe Calla, N. E., Vicetti Miguel, R. D., Torres, A. R., Trout, W., Gabriel, J. M., Hatfield, A. M., Aceves, K. M., Kwiek, J. J., Kaur, B., Cherpes, T. L.
2020; 4 (2): 72-81
- **Depot-medroxyprogesterone acetate reduces genital cell-cell adhesion molecule expression and increases genital herpes simplex virus type 2 infection susceptibility in a dose-dependent fashion.** *Contraception*
Quispe Calla, N. E., Vicetti Miguel, R. D., Aceves, K. M., Torres, A., Cherpes, T. L.
2019
- **Levonorgestrel and Female Genital Tract Immunity: Time for a Closer Look.** *The Journal of infectious diseases*
Miguel, R. D., Quispe Calla, N. E., Cherpes, T. L.
2018
- **Exogenous oestrogen inhibits genital transmission of cell-associated HIV-1 in DMPA-treated humanized mice** *JOURNAL OF THE INTERNATIONAL AIDS SOCIETY*
Calla, N., Miguel, R., Glick, M. E., Kwiek, J. J., Gabriel, J. M., Cherpes, T. L.
2018; 21
- **HIV and Hormonal Contraception: Bench and Bedside** *JAIDS-JOURNAL OF ACQUIRED IMMUNE DEFICIENCY SYNDROMES*
Calla, N. E., Miguel, R. D., Trout, W., Cherpes, T. L.
2017; 74 (3): E85-E86
- **Comment on 'Effects of injectable progestogen contraception versus the copper intrauterine device on HIV acquisition: sub-study of a pragmatic randomised controlled trial'.** *The journal of family planning and reproductive health care*
Quispe Calla, N. E., Vicetti Miguel, R. D., Cherpes, T. L.
2017
- **Setting Sights on Chlamydia Immunity's Central Paradigm: Can We Hit a Moving Target?** *Infection and immunity*
Vicetti Miguel, R. D., Quispe Calla, N. E., Cherpes, T. L.
2017; 85 (7)
- **Dendritic cell function and pathogen-specific T cell immunity are inhibited in mice administered levonorgestrel prior to intranasal Chlamydia trachomatis infection.** *Scientific reports*
Quispe Calla, N. E., Vicetti Miguel, R. D., Mei, A., Fan, S., Gilmore, J. R., Cherpes, T. L.
2016; 6: 37723-?
- **Fluorescent labeling reliably identifies Chlamydia trachomatis in living human endometrial cells and rapidly and accurately quantifies chlamydial inclusion forming units** *JOURNAL OF MICROBIOLOGICAL METHODS*
Miguel, R. D., Henschel, K. J., Lopez, F. C., Calla, N. E., Cherpes, T. L.
2015; 119: 79-82
- **Risk of Bacterial Vaginosis Among Women With Herpes Simplex Virus Type 2 Infection: A Systematic Review and Meta-analysis** *JOURNAL OF INFECTIOUS DISEASES*
Esber, A., Miguel, R. D., Cherpes, T. L., Klebanoff, M. A., Gallo, M. F., Turner, A. N.
2015; 212 (1): 8-17
- **Medroxyprogesterone acetate impairs human dendritic cell activation and function** *HUMAN REPRODUCTION*
Calla, N. E., Ghonime, M. G., Cherpes, T. L., Miguel, R. D.
2015; 30 (5): 1169-1177
- **Use of Transcriptional Profiling to Delineate the Initial Response of Mice to Intravaginal Herpes Simplex Virus Type 2 Infection** *VIRAL IMMUNOLOGY*
Cherpes, T. L., Harvey, S. A., Phillips, J. M., Miguel, R. D., Melan, M. A., Calla, N. E., Hendricks, R. L.
2013; 26 (3): 172-179
- **Hypothesis: Chlamydia trachomatis infection of the female genital tract is controlled by Type 2 immunity** *MEDICAL HYPOTHESES*

- Miguel, R. D., Cherpes, T. L.
2012; 79 (6): 713-716
- **Transient Detection of Chlamydial-Specific Th1 Memory Cells in the Peripheral Circulation of Women with History of Chlamydia trachomatis Genital Tract Infection** *AMERICAN JOURNAL OF REPRODUCTIVE IMMUNOLOGY*
Miguel, R. D., Reighard, S. D., Chavez, J. M., Rabe, L. K., Maryak, S. A., Wiesenfeld, H. C., Cherpes, T. L.
2012; 68 (6): 499-506
 - **Brefeldin A, but not monensin, enables flow cytometric detection of interleukin-4 within peripheral T cells responding to ex vivo stimulation with Chlamydia trachomatis** *JOURNAL OF IMMUNOLOGICAL METHODS*
Miguel, R. D., Maryak, S. A., Cherpes, T. L.
2012; 384 (1-2): 191-195
 - **Recalcitrance of bacterial vaginosis among herpes-simplex-virus-type-2-seropositive women** *JOURNAL OF OBSTETRICS AND GYNAECOLOGY RESEARCH*
Stoner, K. A., Reighard, S. D., Miguel, R. D., Landsittel, D., Cosentino, L. A., Kant, J. A., Cherpes, T. L.
2012; 38 (1): 77-83
 - **Limitations of the criteria used to diagnose histologic endometritis in epidemiologic pelvic inflammatory disease research.** *Pathology, research and practice*
Vicetti Miguel, R. D., Chivukula, M., Krishnamurti, U., Amortegui, A. J., Kant, J. A., Sweet, R. L., Wiesenfeld, H. C., Phillips, J. M., Cherpes, T. L.
2011; 207 (11): 680-685
 - **Endometrial leukocyte subpopulations associated with Chlamydia trachomatis, Neisseria gonorrhoeae, and Trichomonas vaginalis genital tract infection.** *American journal of obstetrics and gynecology*
Reighard, S. D., Sweet, R. L., Vicetti Miguel, C., Vicetti Miguel, R. D., Chivukula, M., Krishnamurti, U., Cherpes, T. L.
2011; 205 (4): 324 e1-7
 - **Detection of AA-type amyloid protein in labial salivary glands** *MEDICINA ORAL PATOLOGIA ORAL Y CIRUGIA BUCAL*
Sacaquispe, S., Antunez-de Mayolo, E., Vicetti, R., Delga-do, W.
2011; 16 (2): E149-E152
 - **A caveat for T cell transfer studies: generation of cytotoxic anti-Thy1.2 antibodies in Thy1.1 congenic mice given Thy1.2+ tumors or T cells.** *Journal of leukocyte biology*
McKenna, K. C., Vicetti Miguel, R. D., Beatty, K. M., Bilonick, R. A.
2011; 89 (2): 291-300
 - **Chlamydia trachomatis infection control programs: lessons learned and implications for vaccine development.** *Infectious diseases in obstetrics and gynecology*
Chavez, J. M., Vicetti Miguel, R. D., Cherpes, T. L.
2011; 2011: 754060-?
 - **17-beta estradiol promotion of herpes simplex virus type 1 reactivation is estrogen receptor dependent.** *Journal of virology*
Vicetti Miguel, R. D., Sheridan, B. S., Harvey, S. A., Schreiner, R. S., Hendricks, R. L., Cherpes, T. L.
2010; 84 (1): 565-572
 - **Adaptive Immune System and the Eye: T Cell-Mediated Immunity** *Encyclopedia of the Eye*
McKenna, K. C., Vicetti Miguel, R. D.
Academic Press - Elsevier.2010: 41-47
 - **Delayed processing of blood increases the frequency of activated CD11b+CD15+granulocytes which inhibit T cell function** *JOURNAL OF IMMUNOLOGICAL METHODS*
McKenna, K. C., Beatty, K. M., Miguel, R. V., Bilonick, R. A.
2009; 341 (1-2): 68-75