



Leonardo Martinez Pantoja

Postdoctoral Research Fellow, Infectious Diseases

 Curriculum Vitae available Online

Bio

BIO

I am a postdoctoral research fellow focusing on infectious disease epidemiology, specifically tuberculosis, in the Division of Infectious Diseases and Geographic Medicine at Stanford University's School of Medicine under the mentorship of Dr. Jason Andrews.

My research focuses on

- (i) deriving and validating meaningful and effective interventions to diagnose and prevent pediatric tuberculosis
- (ii) furthering our understanding of tuberculosis transmission dynamics in high-burden settings, and
- (iii) advocating for the implementation of effective health policy in low-income communities with a high tuberculosis burden

HONORS AND AWARDS

- 2017 Stephen Lawn TB-HIV Research Leadership Prize, TB Centre at LSHTM in London, UK, Desmond Tutu HIV Centre in Cape Town, South Africa, & The Union

PROFESSIONAL EDUCATION

- BA, University of Arizona , Political Science, Spanish (2009)
- MPH, Tulane University, School of Public Health and Tropical Medicine , Global Community Health and Behavioral Sciences (2012)
- PhD, University of Georgia School of Public Health , Epidemiology (2017)

Publications

PUBLICATIONS

- **Paediatric tuberculosis transmission outside the household: challenging historical paradigms to inform future public health strategies.** *The Lancet. Respiratory medicine*
Martinez, L., Lo, N. C., Cords, O., Hill, P. C., Khan, P., Hatherill, M., Mandalakas, A., Kay, A., Croda, J., Horsburgh, C. R., Zar, H. J., Andrews, J. R.
2019
- **Tuberculin skin test conversion and primary progressive tuberculosis disease in the first 5 years of life: a birth cohort study from Cape Town, South Africa** *The Lancet Child & Adolescent Health*
Martinez, L., le Roux, D. M., Barnett, W., Stadler, A., Nicol, M. P., Zar, H. J.
2018; 2 (1): 46-55.
- **Advances in the understanding of Mycobacterium tuberculosis transmission in HIV-endemic settings.** *The Lancet. Infectious diseases*
Peters, J. S., Andrews, J. R., Hatherill, M., Hermans, S., Martinez, L., Schurr, E., van der Heijden, Y., Wood, R., Rustomjee, R., Kana, B. D.
2018
- **Transmission of Mycobacterium Tuberculosis in Households and the Community: A Systematic Review and Meta-Analysis.** *American journal of epidemiology*
Martinez, L., Shen, Y., Mupere, E., Kizza, A., Hill, P. C., Whalen, C. C.

2017; 185 (12): 1327–39

- **Effectiveness of WHO's pragmatic screening algorithm for child contacts of tuberculosis cases in resource-constrained settings: a prospective cohort study in Uganda.** *The Lancet. Respiratory medicine*
Martinez, L., Shen, Y., Handel, A., Chakraborty, S., Stein, C. M., Malone, L. L., Boom, W. H., Quinn, F. D., Joloba, M. L., Whalen, C. C., Zalwango, S.
2017
- **Infectiousness of HIV-Seropositive Patients with Tuberculosis in a High-Burden African Setting** *AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE*
Martinez, L., Sekandi, J. N., Castellanos, M. E., Zalwango, S., Whalen, C. C.
2016; 194 (9): 1152-1163
- **Towards a more holistic understanding of paediatric tuberculosis** *LANCET CHILD & ADOLESCENT HEALTH*
Martinez, L.
2019; 3 (4): 220–21
- **Detection, survival and infectious potential of Mycobacterium tuberculosis in the environment: A review of the evidence and epidemiological implications.** *The European respiratory journal*
Martinez, L., Verma, R., Croda, J., Horsburgh, C. R., Walter, K. S., Degner, N., Middelkoop, K., Koch, A., Hermans, S., Warner, D., Wood, R., Cobelens, F., Andrews, et al
2019
- **Improving Tuberculosis Case Finding in Persons Living with Advanced HIV through New Diagnostic Algorithms.** *American journal of respiratory and critical care medicine*
Martinez, L., Andrews, J. R.
2018
- **Low Prevalence of Tuberculin Skin Test Boosting among Community Residents in Uganda.** *The American journal of tropical medicine and hygiene*
Sekandi, J. N., Zalwango, S., Nkwata, A. K., Martinez, L., Kakaire, R., Mutanga, J. N., Whalen, C. C., Kiwanuka, N.
2018
- **Performance of the QuantiFERON®-TB Gold In-Tube assay in tuberculin skin test converters: a prospective cohort study.** *The international journal of tuberculosis and lung disease : the official journal of the International Union against Tuberculosis and Lung Disease*
Castellanos, M. E., Kirimunda, S., Martinez, L., Quach, T., Woldu, H., Kakaire, R., Handel, A., Zalwango, S., Kiwanuka, N., Whalen, C. C.
2018; 22 (9): 1000–1006
- **Tuberculin conversion and tuberculosis disease in infants and young children from the Drakenstein Child Health Study: A call to action.** *South African medical journal = Suid-Afrikaanse tydskrif vir geneeskunde*
Martinez, L., Zar, H. J.
2018; 108 (4): 247–48
- **Factors affecting time to sputum culture conversion and treatment outcome of patients with multidrug-resistant tuberculosis in China.** *BMC infectious diseases*
Liu, Q., Lu, P., Martinez, L., Yang, H., Lu, W., Ding, X., Zhu, L.
2018; 18 (1): 114
- **Cognitive deficits and educational loss in children with schistosome infection-A systematic review and meta-analysis.** *PLoS neglected tropical diseases*
Ezeamama, A. E., Bustinduy, A. L., Nkwata, A. K., Martinez, L., Pabalan, N., Boivin, M. J., King, C. H.
2018; 12 (1): e0005524
- **) in urban school microenvironments near a contaminated beach with mine tailings, Chañaral, Chile.** *Environmental geochemistry and health*
Mesías Monsalve, S., Martínez, L., Yohannessen Vásquez, K., Alvarado Orellana, S., Klarián Vergara, J., Martín Mateo, M., Costilla Salazar, R., Fuentes Alburquenque, M., Cáceres Lillo, D. D.
2017
- **Time to sputum culture conversion and treatment outcome of patients with multidrug-resistant tuberculosis: a prospective cohort study from urban China** *EUROPEAN RESPIRATORY JOURNAL*
Lu, P., Liu, Q., Martinez, L., Yang, H., Lu, W., Ding, X., Zhu, L.
2017; 49 (3)
- **Innovative Methods to Manage, Detect, and Prevent Tuberculosis.** *American journal of respiratory and critical care medicine*
Martinez, L., Castellanos, M. E., Hallowell, B. D., Whalen, C. C.

2017; 195 (4): 530-532

- **Delays and Pathways to Final Tuberculosis Diagnosis in Patients from a Referral Hospital in Urban China.** *The American journal of tropical medicine and hygiene*
Martinez, L., Xu, L., Chen, C., Sekandi, J. N., Zhu, Y., Zhang, C., Whalen, C. C., Zhu, L.
2017
- **Diagnostic Performance of the GenoType MTBDRplus and MTBDRsl Assays to Identify Tuberculosis Drug Resistance in Eastern China.** *Chinese medical journal*
Liu, Q., Li, G. L., Chen, C., Wang, J. M., Martinez, L., Lu, W., Zhu, L. M.
2017; 130 (13): 1521–28
- **Mediating Effect of Repeated Tuberculosis Exposure on the Risk of Transmission to Household Contacts of Multidrug-Resistant Tuberculosis Patients.** *The American journal of tropical medicine and hygiene*
Lu, P., Ding, X., Liu, Q., Lu, W., Martinez, L., Sun, J., Lu, F., Zhong, C., Jiang, H., Miao, C., Zhu, L., Yang, H.
2017
- **Glycemic Control and the Prevalence of Tuberculosis Infection: A Population-based Observational Study.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*
Martinez, L., Zhu, L., Castellanos, M. E., Liu, Q., Chen, C., Hallowell, B. D., Whalen, C. C.
2017; 65 (12): 2060–68
- **A Prospective Validation of a Clinical Algorithm to Detect Tuberculosis in Child Contacts.** *American journal of respiratory and critical care medicine*
Martinez, L., Handel, A., Shen, Y., Chakraborty, S., Quinn, F. D., Stein, C. M., Malone, L. L., Zalwango, S., Whalen, C. C.
2017
- **Four Degrees of Separation: Social Contacts and Health Providers Influence the Steps to Final Diagnosis of Active Tuberculosis Patients in Urban Uganda** *BMC INFECTIOUS DISEASES*
Sekandi, J. N., Zalwango, S., Martinez, L., Handel, A., Kakaire, R., Nkwata, A. K., Ezeamama, A. E., Kiwanuka, N., Whalen, C. C.
2015; 15
- **Age, sex, and nutritional status modify the CD4+T-cell recovery rate in HIV-tuberculosis co-infected patients on combination antiretroviral therapy** *INTERNATIONAL JOURNAL OF INFECTIOUS DISEASES*
Ezeamama, A. E., Mupere, E., Oloya, J., Martinez, L., Kakaire, R., Yin, X., Sekandi, J. N., Whalen, C. C.
2015; 35: 73-79
- **The Epidemiology and Geographic Distribution of Nontuberculous Mycobacteria Clinical Isolates from Sputum Samples in the Eastern Region of China** *PLOS NEGLECTED TROPICAL DISEASES*
Shao, Y., Chen, C., Song, H., Li, G., Liu, Q., Li, Y., Zhu, L., Martinez, L., Lu, W.
2015; 9 (3)
- **Diagnostic Value of GeneChip for Detection of Resistant Mycobacterium tuberculosis in Patients with Differing Treatment Histories** *JOURNAL OF CLINICAL MICROBIOLOGY*
Zhu, L., Liu, Q., Martinez, L., Shi, J., Chen, C., Shao, Y., Zhong, C., Song, H., Li, G., Ding, X., Zhou, Y., Zhu, L., Whalen, et al
2015; 53 (1): 131-135
- **Changes in Tuberculin Skin Test Positivity Over 20 Years in Periurban Shantytowns in Lima, Peru** *AMERICAN JOURNAL OF TROPICAL MEDICINE AND HYGIENE*
Martinez, L., Arman, A., Haveman, N., Lundgren, A., Cabrera, L., Evans, C. A., Pelly, T. F., Saito, M., Callacondo, D., Oberhelman, R., Collazo, G., Carnero, A. M., Gilman, et al
2013; 89 (3): 507-515
- **Cutaneous Leishmaniasis "Chiclero's Ulcer" in Subtropical Ecuador** *AMERICAN JOURNAL OF TROPICAL MEDICINE AND HYGIENE*
Calvopina, M., Martinez, L., Hashiguchi, Y.
2013; 89 (2): 195-196
- **Free-ranging chickens in households in a periurban shantytown in Peru--attitudes and practices 10 years after a community-based intervention project.** *The American journal of tropical medicine and hygiene*
Martinez, L., Collazo, G., Cabrera, L., Bernabe-Ortiz, A., Ramos-Peña, Y., Oberhelman, R.
2013; 89 (2): 229-231