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16 **UNITED STATES DISTRICT COURT**  
17 **CENTRAL DISTRICT OF CALIFORNIA**  
18 **EASTERN DIVISION – RIVERSIDE**

19 FAOUR ABDALLAH FRAIHAT, *et al.*,  
20 Plaintiffs,

21 v.

22 U.S. IMMIGRATION AND CUSTOMS  
23 ENFORCEMENT, *et al.*,

24 Defendants.

Case No.: 19-cv-01546-JGB(SHKx)

**CORRECTED DECLARATION OF  
DR. CARLOS FRANCO-PAREDES**

Date: March 24, 2020

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1           **Declaration of Dr. Carlos Franco-Paredes**

2           The Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2), is a  
3 newly emerging zoonotic agent initially identified in December 2019 that, as of  
4 today, has spread to more than 150 countries causing 297,000 confirmed cases and  
5 12,755 deaths<sup>a</sup>. This viral pathogen causes the Coronavirus Disease 2019 (COVID-  
6 19). Infection with COVID-19 is associated with significant morbidity and  
7 mortality especially in patients above 55 years of age and those with chronic  
8 medical conditions<sup>b,c,d</sup>.

9           Immigration detention centers in the U.S. are tinderboxes for the  
10 transmission of highly transmissible infectious pathogens including the SARS-  
11 CoV-2, which causes COVID-19. Given the large population density of  
12 immigration detention centers and the ease of transmission of this viral pathogen,  
13 the attack rate inside these centers will take exponential proportions, consuming  
14 significant medical and financial resources.

15           As an infectious disease clinician with a public health degree in the  
16 dynamics of infectious disease epidemics and pandemics and twenty years of  
17 clinical experience, I am concerned about the treatment of immigrants inside  
18 detention centers which could make the current COVID-19 epidemic worse in the  
19 U.S. by having a high case fatality rate among detainees and potentially spreading  
20 the outbreak into the larger community. A copy of my CV is presented in Exhibit  
21 A.

22           I have experience providing care to individuals in a civil detention center  
23 and have performed approximately two medical forensic examinations and fifteen  
24 medical second opinion evaluations for patients in the custody of the Department  
25 of Homeland Security (DHS). Based on my conversations with patients, my own  
26 observations, and information that exists regarding the resources available within  
27 immigration detention facilities as detailed by the ICE Health Services Corps, it is  
28 my professional opinion that the medical care available in DHS custody cannot

properly accommodate the needs of patients should there be an outbreak of COVID-19 in an immigration detention facility. The physical and emotional trauma that detainees and asylum seekers experience can weaken their immune systems, resulting in increased risk of severe manifestations of infections. For example cases of influenza virus infections causing pneumonia and respiratory failure, - albeit influenza infection is not as communicable and not transmitted during asymptomatic infection as it is the case with SARS-CoV-2 -, has caused human deaths inside immigration detention centers <sup>e</sup>.

- **For people in the highest risk populations, the fatality rate of COVID-19 infection is about 15 percent.**

According to the CDC, groups deemed to be at high risk of developing severe disease and dying from COVID-19 include those above 55 years of age and those with underlying medical conditions (regardless of their age) (See Table 1). These cases are also amplifiers or hyper-spreaders of the infection since they tend to have high viral concentrations in their respiratory secretions.

The clinical experience in China, South Korea, Italy and Spain has shown that 80% of confirmed cases tend to occur in persons 30-69 years of age regardless of whether they had underlying medical conditions. Of these, 20% develop severe clinical manifestations or become critically ill. Among those with severe clinical manifestations, regardless of their age or underlying medical conditions, the virus progresses into respiratory failure, septic shock, and multiorgan dysfunction requiring intensive care support including the use of mechanical ventilator support. The overall case fatality rate is 10-14% of those who develop severe disease. In China, 80% of deaths occurred among adults  $\geq 60$  years<sup>c</sup>.

**Table 1. Risk factors for developing severe disease and death outside the U.S.**

|                                                                                                  |                                                                         |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| <b>Age groups at high risk of developing severe disease and dying without underlying medical</b> | 50-59 years (1% CFR)*<br>60-69 years (3.6% CFR)<br>70-79 years (8% CFR) |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|

|    |                                         |                                         |
|----|-----------------------------------------|-----------------------------------------|
| 1  | <b>conditions</b>                       |                                         |
| 2  | <b>Groups with underlying medical</b>   | -Cardiovascular Disease (congestive     |
| 3  | <b>conditions at high risk of dying</b> | heart failure, history of myocardial    |
| 4  | <b>regardless of their age</b>          | infarction, history of cardiac surgery) |
| 5  |                                         | -Systemic Arterial Hypertension (high   |
| 6  |                                         | blood pressure)                         |
| 7  |                                         | -Chronic Respiratory Disease (asthma,   |
| 8  |                                         | chronic obstructive pulmonary disease   |
| 9  |                                         | including chronic bronchitis or         |
| 10 |                                         | emphysema, or other pulmonary           |
| 11 |                                         | diseases)                               |
| 12 |                                         | -Diabetes Mellitus                      |
| 13 |                                         | -Cancer                                 |
| 14 |                                         | -Chronic Liver Disease                  |
| 15 |                                         | -Chronic Kidney Disease                 |
| 16 |                                         | -Autoimmune Diseases (psoriasis,        |
| 17 |                                         | rheumatoid arthritis, systemic lupus    |
| 18 |                                         | erythematosus)                          |
| 19 |                                         | -Severe Psychiatric Illness **          |
| 20 |                                         | -History of Transplantation             |
| 21 |                                         | -HIV/AIDS                               |
| 22 |                                         | -Pregnancy***                           |
| 23 |                                         |                                         |

24 \*CFR= Case Fatality Rate. This is an indicator of lethality used during outbreaks to identify the number of  
individuals who succumb out of those infected.

25 \*\* In South Korea, 20% of deaths occurred in what they defined as Psychiatric Illness (J Korean Med Sci 2020;  
35(10): e112).

26 \*\*\* Extrapolation from previous influenza pandemics including the 2009 pandemic that increased pregnancy-related  
mortality 4-fold particularly during second and third trimesters. The reason is due to immune mediated changes  
27 during pregnancy and lung function compromise due to gravid uterus (Omer S. N Engl J Med 2017;376(13): 1256-  
1267.

1        There is a growing number of confirmed cases in the U.S., increasing  
 2        number of hospitalizations and admissions to intensive care units, and many  
 3        deaths. In this wave of the pandemic or in subsequent ones, it is likely the number  
 4        of infected individuals will continue to augment. In the closed settings of  
 5        immigration detention centers, where there is overcrowding and confinement of a  
 6        large number of persons, networks of transmission become highly conducive to  
 7        spread rapidly.

8        As of March 16, 2020<sup>c</sup>, cases of COVID-19 in the U.S. reported by the CDC  
 9        shows that 31% of COVID-19 cases, 45% of hospitalizations, and 80% of deaths  
 10       occurred among adults > 65 years of age. Case-fatality in persons aged > 85 ranged  
 11       from 10-27%, followed by 3-11% among persons aged 65-84 years, 1% among  
 12       persons aged 55-64 and <1% among persons 20-54 years of age.

13       Reports by the Chinese CDC demonstrate that the case fatality rate is highest among critical  
 14       cases in the high-risk categories with COVID at 49%<sup>f</sup>. Case fatality was higher for patients with  
 15       comorbidities: 10.5% for those with cardiovascular disease, 7% for diabetes, and 6% each for  
 16       chronic respiratory disease, hypertension, and cancer. Case fatality for patients who developed  
 17       respiratory failure, septic shock, or multiple organ dysfunction was 49%<sup>b</sup>.

- 18        • **For people with these risk factors, COVID-19 can severely damage**  
 19        **lung tissue, which requires an extensive period of rehabilitation, and**  
 20        **in some cases, can cause permanent loss of respiratory capacity.**  
 21

22       There is preliminary evidence that persons with COVID-19 who are  
 23       recovering from severe disease and who have developed extensive pulmonary  
 24       disease including Acute Respiratory Distress Syndrome (ARDS)<sup>g</sup> may have long-  
 25       term sequelae similar to other infectious pathogens evolving in a similar pattern.  
 26       Long term sequelae of those with sepsis, ARDS and respiratory failure identified in  
 27       the literature include long-term cognitive impairment, psychological morbidities,  
 28       neuromuscular weakness, pulmonary dysfunction, and ongoing healthcare

utilization with reduced quality of life<sup>h</sup> and need for rehabilitation services<sup>i</sup>.

- **COVID-19 may also target the heart muscle, causing a medical condition called myocarditis, or inflammation of the heart muscle. Myocarditis can affect the heart muscle and electrical system, reducing the heart's ability to pump. This reduction can lead to rapid or abnormal heart rhythms in the short term, and long-term heart failure that limits exercise tolerance and the ability to work.**

The full description of the pathogenesis of COVID-19 requires to be completely elucidated. However, there is clinical evidence that in addition to the severe lung injury associated to this viral infection, some persons may also develop myocardial involvement that appears to be the result of either direct viral infection or caused by the immune response to SARS-CoV-2. From the published case reports, myocarditis caused by this viral pathogen is associated with congestive heart failure, cardiac arrhythmias and death<sup>j</sup>. Similar to other viral myocarditis, most patients may develop long-term myocardial damage<sup>k</sup>.

- **Emerging evidence also suggests that COVID-19 can trigger an over-response of the immune system, further damaging tissues in a cytokine release syndrome that can result in widespread damage to other organs, including permanent injury to the kidneys and neurologic injury. These complications can manifest at an alarming pace.**

Among persons infected with SARS-CoV-2 and developing COVID-19, severe disease systemic inflammation is associated with adverse outcomes<sup>l</sup>. However, there is evidence that the use of corticosteroids have not shown benefit and they might be more likely to cause harm when administered to persons with ARDS caused by COVID-19<sup>m</sup>. Similar to influenza infection, acute lung injury and



acute respiratory distress syndrome are most likely caused by the respiratory epithelial membrane dysfunction leading to acute respiratory distress syndrome<sup>l,n</sup>. Preliminary evidence from case reports and small cases series from China and South Korea confirm that there is minimal inflammation and evidence of cell necrosis in the form of apoptosis of the respiratory epithelium<sup>o</sup>. The resultant tissue hypoxia is responsible and potential concomitant bacterial sepsis contribute to multiorgan dysfunction and death. If a patient with COVID-19 develops myocarditis, cardiogenic shock caused by fulminant myocarditis may also contribute to the overall occurrence of multiple organ failure<sup>k</sup>.

- **Patients can show the first symptoms of infection in as little as two days after exposure, and their condition can seriously deteriorate in five days or sooner.**

There is evidence of substantial undocumented infection facilitating the rapid dissemination of novel coronavirus SARS-CoV-2 which is responsible for 79% of documented cases of COVID-19 in China<sup>o</sup>. Once an individual is exposed to this virus from either a symptomatic individual (21% of cases) or from asymptomatic individuals (79% of cases), the shortest incubation period is 3 days with a median incubation period of 5.1 (95% CI 4.5 to 5.8 days)<sup>p</sup>. Overall, 97.5% of persons who develop symptoms do so within 11.5 days of the initial exposure<sup>p</sup>. Most persons with COVID-19 who develop severe disease do so immediately after admission or within 3-5 days from their initial presentation<sup>c,q</sup> and represent 53% of those requiring intensive care unit admissions and advanced supportive care<sup>c</sup>. At my current institution, the two confirmed deaths occurred within 48 hours of admission to the hospital.

- **Most people in higher risk categories who develop serious disease will need advanced support. This level of supportive care requires highly specialized equipment that is in limited supply, and an entire**



1           **team of care providers, including 1:1 or 1:2 nurse to patient ratios,**  
2           **respiratory therapists, and intensive care physicians. This level of**  
3           **support can quickly exceed local health care resources.**

4           There is sufficient evidence that the SARS-CoV-2 pandemic has an  
5           overwhelming impact in healthcare utilization in all settings (China, South Korea,  
6           Italy, France, Germany, and others). In the U.S.<sup>c</sup>, current evidence demonstrates  
7           that COVID-19 can result in severe disease, including hospitalization (31%) and  
8           admission to an intensive care unit (53% of ICU admissions). To respond to this  
9           overwhelming demand in ICU admissions, there is a need for a multidisciplinary  
10          approach that is time consuming and requires highly trained personnel including  
11          pulmonary and critical care physicians, nurses, respiratory therapists,  
12          phlebotomists, social workers, and case managers. The care of this group of  
13          patients also requires subspecialists including nephrologists, infectious disease  
14          physicians, hematologists, hospitalists, and others. Patients on mechanical  
15          ventilation or requiring extracorporeal membrane oxygenation require additional  
16          staff including perfusionists and 1:1 dedicated nursing care. Currently, medical  
17          centers in many urban and rural settings in the U.S. are functioning at full capacity.  
18          Therefore, preventing the occurrence of an outbreak within a detention facility  
19          would reduce the risk of overwhelming local healthcare systems. Indeed, a  
20          potential outbreak occurring within an immigration detention center, the number of  
21          detainees who will require transfer outside the facility for specialized care may  
22          exceed the capacity of local hospitals. This is particularly important in rural and  
23          semirural settings where many immigration detention centers are located, and  
24          where they may have contact with a limited number of surrounding medical  
25          centers.

26  
27       **Conclusions:**

28           There is a need to proactively consider alternative strategies to dilute the

1 potential community-based impact of an outbreak inside immigration detention  
2 centers. Therefore, it is my professional view that releasing detainees/asylum  
3 seekers on humanitarian parole from these centers constitutes a high-yield public  
4 health intervention that may significantly lessen the impact of this outbreak not  
5 only within detention centers but among the communities surrounding these  
6 centers. In particular, targeting the release of persons in the age groups at risk of  
7 severe disease and death; and persons with underlying medical conditions, may  
8 lessen the human and financial costs that this outbreak may eventually impose on  
9 ICE detention facilities nationwide. Responding to an outbreak requires significant  
10 improvements in staffing, upgrading medical equipment, substantial supplies  
11 including antibiotics, intravenous infusions, cardiac and respiratory monitors,  
12 devices for oxygen supply, and personal protection supplies among persons at high  
13 risk of severe COVID-19 disease.

14  
15 A large outbreak of COVID-19 in an immigration detention facility would  
16 put a tremendous strain on the medical system to the detriment of patients in the  
17 communities surrounding these centers. It is reasonable to anticipate that there will  
18 be the loss of additional lives that could have otherwise been saved.

19  
20 I declare under penalty of perjury that the statements above are true and correct to  
21 the best of my knowledge.

22  
23 Date: March 21, 2020

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25  
26  
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28

A handwritten signature in black ink, appearing to read "C. Franco-Paredes", is written over a light gray rectangular background.

Carlos Franco-Paredes, MD, MPH, DTMH (Gorgas)  
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1 Infection Control and Prevention; Korea Centers for Disease Control and Prevention. [Report on the](#)  
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# **EXHIBIT A**

Carlos Franco-Paredes MD, MPH  
Curriculum Vitae

**PERSONAL INFORMATION**

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U.S. Citizen

**CURRENT PROFESSIONAL POSITION AND ACTIVITIES:**

- Associate Professor of Medicine, Division of Infectious Diseases, University of Colorado Denver School of Medicine, Anschutz Medical Campus and Infectious Diseases (July 2018 - ongoing).
- Fellowship Program Director, Division of Infectious Diseases, University of Colorado Denver School of Medicine, Anschutz Medical Campus (March 2019- ongoing).

**EDUCATION**

|             |                                                                                                                                                   |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 1989 -1995  | M.D. - La Salle University School of Medicine, Mexico City, Mexico                                                                                |
| 1996-1999   | Internship and Residency in Internal Medicine, Emory University School of Medicine Affiliated Hospitals, Atlanta, GA                              |
| 1999-2002   | Fellowship in Infectious Diseases, Emory University School of Medicine Affiliated Hospitals, Atlanta, GA                                          |
| 1999-2002   | Fellow in AIDS International Training and Research Program, NIH Fogarty Institute, Rollins School of Public Health, Emory University, Atlanta, GA |
| 1999 - 2002 | Masters Degree in Public Health (M.P.H.) Rollins School of Public Health, Emory University, Atlanta, GA, Global Health Track                      |
| 2001-2002   | Chief Medical Resident, Grady Memorial Hospital, Emory University School of Medicine, Atlanta, GA                                                 |
| 2006        | Diploma Course in Tropical Medicine, Gorgas. University of Alabama, Birmingham and Universidad Cayetano Heredia, Lima Peru                        |

**CERTIFICATIONS**

|              |                                                                                                                                          |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------|
| 1999-Present | Diplomat in Internal Medicine American Board of Internal Medicine (Recertification 11/2010-11/2020)                                      |
| 2001-present | Diplomat in Infectious Diseases, American Board of Internal Medicine, Infectious Diseases Subspecialty (Recertification 04/2011-04/2021) |
| 2005-present | Travel Medicine Certification by the International Society of Travel Medicine                                                            |
| 2007-present | Tropical Medicine Certification by the American Society of Tropical Medicine – Diploma in Tropical Medicine and Hygiene (DTMH - Gorgas)  |

**EMPLOYMENT HISTORY:**

- 2002 - 2004 - Advisor to the Director of the National Center for Child and Adolescent Health and of the National Immunization Council (NIP), Ministry of Health Mexico; my activities included critical review of current national health plans on vaccination, infectious diseases, soil-transmitted helminthic control programs; meningococcal disease outbreaks in the jail system, an outbreak of imported measles in 2003-2004 and bioterrorism and influenza pandemic preparedness. I represented the NIP at meetings of the Global Health Security Action Group preparation of National preparedness and response plans for Mexico
- 2005 – 2011- Co-Director Travel Well Clinic, Emory University Emory Midtown Hospital



- 2004- 8/2009 -Assistant Professor of Medicine  
Department of Medicine, Division of Infectious Diseases  
Emory University School of Medicine, Atlanta GA
- 3/2008-10/2009 Consultant WHO, HQ, Geneva, Influenza Vaccine
- 9/2009- 3/2011 Associate Professor of Medicine  
Department of Medicine, Division of Infectious Diseases  
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- 1/2007 – 3/2011 Assistant Professor of Public Health  
Hubert Department of Global Health  
Rollins School of Public Health, Emory University, Atlanta GA
- 4/2011 –5/2013 - Associate Professor of Public Health in Global Health  
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Rollins School of Public Health, Emory University, Atlanta GA
- 2010 - WHO HQ Consultant for a 4-month-period on the Deployment of H1N1 influenza vaccine in the African Region, Jan to March 2010, Switzerland Geneva, WHO HQ 2010 sponsored by John Snow Inc. USAID, Washington, D.C.
- 2014-2015 - Consultant International Association of Immunization Managers, Regional Meeting of the Middle Eastern and North African Countries and Sub Saharan Africa, held in Durban South Africa, Sept 2014; and as rapporteur of the Inaugural Conference, 3-4 March 2015, Istanbul, Turkey.
- 3/2011- 5/2017 - Phoebe Physician Group –Infectious Diseases Clinician Phoebe Putney Memorial Hospital, Albany, GA.
- 5/2015 - 9/2015 - Consultant Surveillance of Enteric Fever in Asia (Pakistan, Indonesia, Bangladesh, Nepal, India) March 2015-October 2015.
- June 19, 2017-June 31, 2018–Visiting Associate Professor of Medicine, Division of Infectious Diseases, University of Colorado Denver, Anschutz Medical Campus
- June 2004- present - Adjunct Professor of Pediatrics, Division of Clinical Research, Hospital Infantil de México, Federico Gómez, México City, México. Investigador Nacional Nivel II, Sistema Nacional de Investigadores (12/2019); SNI III Sistema Nacional de Investigadores (1/2020-); Investigador Clínico Nivel E, Sistema Nacional de Hospitales

#### HONORS AND AWARDS

- |      |                                                                                                                                                                                                                                                                                                                                                                           |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1995 | Top Graduating Student, La Salle School of Medicine                                                                                                                                                                                                                                                                                                                       |
| 1997 | Award for Academic Excellence in Internal Medicine, EUSM                                                                                                                                                                                                                                                                                                                  |
| 1999 | Alpha Omega Alpha (AOA) House staff Officer, EUSM                                                                                                                                                                                                                                                                                                                         |
| 2002 | Pillar of Excellence Award. Fulton County Department of Health and Wellness<br>Communicable Disease Prevention Branch, Atlanta GA                                                                                                                                                                                                                                         |
| 2002 | Emory University Humanitarian Award for extraordinary service in Leadership<br>Betterment of the Human Condition the Emory University Rollins School of Public Health                                                                                                                                                                                                     |
| 2002 | Winner of the Essay Contest on the Health of Developing Countries:<br>Causes and Effects in Relation to Economics or Law, sponsored by the Center for International Development at Harvard University and the World Health Organization Commission on Macroeconomics Health with the essay " <i>Infectious Diseases, Non-zero Sum Thinking and the Developing World</i> " |
| 2002 | "James W. Alley" Award for Outstanding Service to Disadvantaged Populations, Rollins School of Public Health of Emory University May 2002. Received during Commencement Ceremony Graduation to obtain the Degree of Masters in Public Health                                                                                                                              |
| 2006 | Golden Apple Award for Excellence in Teaching, Emory University, School of Med                                                                                                                                                                                                                                                                                            |

- 2006 Best Conference Award Conference, “*Juha Kokko*” Best Conference Department of Medicine, EUSM
- 2007 “*Jack Shulman*” Award Infectious Disease fellowship, Excellence in Teaching Award, Division of Infectious Diseases, EUSM
- 2007 Emerging Threats in Public Health: Pandemic Influenza CD-ROM, APHA’s Public Health Education and Health Promotion Section, Annual Public Health Materials Contest award
- 2009 National Center for Preparedness, Detection, and Control of Infectious Diseases. Honor Award Certificate for an exemplary partnership in clinical and epidemiologic monitoring of illness related to international travel. NCPDCID Recognition Awards Ceremony, April 2009. CDC, Atlanta, GA
- 2012 The ISTM Awards Committee, directed by Prof. Herbert DuPont, selected the article “Rethinking typhoid fever vaccines” in the Journal of Travel Medicine (Best Review Article)
- 2012 Best Clinical Teacher. Albany Family Medicine Residency Program
- 2018 Outstanding Educator Award – Infectious Diseases Fellowship, Division of Infectious Diseases, University of Colorado, Anschutz Medical Center, Aurora Colorado

#### **EDITORSHIP AND EDITORIAL BOARDS**

- 2007-Present Deputy/Associate Editor PLoS Neglected Tropical Disease Public Library of Science
- 2017-2018 Deputy Editor, Annals of Clinical Microbiology and Antimicrobials BMC
- 2007-2019 Core Faculty International AIDS Society-USA -Travel and Tropical Medicine/HIV/AIDS

#### **INTERNATIONAL COMMITTEES**

- 2018- Member of the Examination Committee of the International Society of Travel Medicine. Developing Examination Questions and Proctoring the Certificate in Traveler’s Health Examination Proctor Certificate of Traveler’s Health Examination (CTH) as part of the International Society of Travel Medicine– 12<sup>th</sup> Asia-Pacific Travel Health Conference, Thailand 21-24 March 2019 Proctor Certificate of Traveler’s Health Examination (CTH), Atlanta, GA, September, 2019

#### **PRESENTATIONS AT NATIONAL/INTERNATIONAL MEETINGS**

- 2017- Meeting of the Colombian Society of Infectious Diseases, August 2017: Discussion of Clinical Cases Session, Influenza, MERS-Coronavirus, Leprosy, Enteric Fever
- 2018 – Cutaneous Mycobacterial Diseases, Universidad Cayetano Heredia, Lima, Peru, Mayo 2018
- 2018 – Scientific Writing Seminar, ACIN, Pereira, Colombia, August 2-4, 2018
- 2019 – First International Congress of Tropical Diseases ACINTROP 2019. March 21, 2019, Monteria, Colombia, Topic: Leishmaniasis
- 2019 – One Health Symposium of Zoonoses, Pereira Colombia, August 16-17, 2019, Topic: Zoonotic Leprosy
- 2019 – Congress Colombian Association of Infectious Diseases (ACIN), Topic: Leprosy in Latin America, Cartagena, Colombia, August 21-24, 2019
- 2019 – World Society Pediatric Infectious Diseases, Manila Philippines, November 7-9, 2019 - Tropical Medicine Symposium: Diagnosis, Treatment, and Prevention of Leprosy.
- 2019 – FLAP. Federacion Latino Americana de Parasitologia, Panama, Panama, November 26, 2019, Oral Transmission of Leprosy Symposium
- 2019 – FLAP. Federacion Latino Americana de Parasitologia, Panama, Panama, November 27, 2019, Leprosy Situation in the Americas.

#### **PUBLICATIONS BOOKS**

**Franco-Paredes C**, Santos-Preciado JI. *Neglected Tropical Diseases in Latin America and the Caribbean*, Springer-Verlag, 2015. ISBN-13: 978-3709114216 ISBN-10: 3709114217

**Franco-Paredes C**. *Core Concepts in Clinical Infectious Diseases*, Academic Press, Elsevier, March 2016. ISBN: 978-0-12-804423-0

**RESEARCH ORIGINAL ARTICLES (clinical, basic science, other) in refereed journals:**

1. Del Rio C, **Franco-Paredes C**, Duffus W, Barragan M, Hicks G. Routinely Recommending HIV Testing at a Large Urban Urgent-Care Clinic – Atlanta, GA. *MMWR\_Morbid Mortal Wkly Rep* 2001; 50:538-541.
2. Del Rio C, Barragán M, **Franco-Paredes C**. *Pneumocystis carinii* Pneumonia. *N Engl J Med* 2004; 351:1262-1263.
3. Barragan M, Hicks G, Williams M, **Franco-Paredes C**, Duffus W, Del Rio C. Health Literacy is Associated with HIV Test Acceptance. *J Gen Intern Med* 2005; 20:422-425.
4. Rodríguez-Morales A, Arria M, Rojas-Mirabal J, Borges E, Benitez J, Herrera M, Villalobos C, Maldonado A, Rubio N, **Franco-Paredes C**. Lepidopterism Due to the Exposure of the Moth *Hylesia metabus* in Northeastern Venezuela. *Am J Trop Med Hyg* 2005; 73:991-993.
5. Rodríguez-Morales A, Sánchez E, Arria M, Vargas M, Piccolo C, Colina R, **Franco-Paredes C**. White Blood Cell Counts in *Plasmodium vivax*. *J Infect Dis* 2005; 192:1675-1676.
6. **Franco-Paredes C**, Nicolls D, Dismukes R, Kozarsky P. Persistent Tropical Infectious Diseases among Sudanese Refugees Living in the US. *Am J Trop Med Hyg* 2005; 73: 1.
7. Osorio-Pinzon J, Moncada L, **Franco-Paredes C**. Role of Ivermectin in the Treatment of Severe Orbital Myiasis Due to *Cochliomyia hominivorax*. *Clin Infect Dis* 2006; 3: e57-9.
8. Rodríguez-Morales A, **Franco-Paredes C**. Impact of *Plasmodium vivax* Malaria during Pregnancy in Northeastern Venezuela. *Am J Trop Med Hyg* 2006; 74:273-277.
9. Rodríguez-Morales A, Nestor P, Arria M, **Franco-Paredes C**. Impact of Imported Malaria on the Burden of Malaria in Northeastern Venezuela. *J Travel Med* 2006; 13:15-20.
10. Rodríguez-Morales A, Sánchez E, Vargas M, Piccolo C, Colina R, Arria M, **Franco-Paredes C**. Is anemia in *Plasmodium vivax* More Severe and More Frequent than in *Plasmodium falciparum*? *Am J Med* 2006; 119:e9-10.
11. Hicks G, Barragan M, **Franco-Paredes C**, Williams MV, del Rio C. Health Literacy is a Predictor of HIV Knowledge. *Fam Med J* 2006; 10:717-723.
12. Cardenas R, Sandoval C, Rodríguez-Morales A, **Franco-Paredes C**. Impact of Climate Variability in the Occurrence of Leishmaniasis in Northeastern Colombia. *Am J Trop Med Hyg* 2006; 75:273-7.
13. **Franco-Paredes C**, Nicolls D, Dismukes R, Wilson M, Jones D, Workowski K, Kozarsky P. Persistent and Untreated Tropical Infectious Diseases among Sudanese Refugees in the US. *Am J Trop Med Hyg* 2007; 77:633-635.
14. Rodríguez-Morales AJ, Sanchez E, Arria M, Vargas M, Piccolo C, Colina R, **Franco-Paredes C**. Hemoglobin and haematocrit: The Threefold Conversion is also Non Valid for Assessing Anaemia in *Plasmodium vivax* Malaria-endemic Settings. *Malaria J* 2007; 6:166.
15. **Franco-Paredes C**, Jones D, Rodríguez-Morales AJ, Santos-Preciado JI. Improving the Health of Neglected Populations in Latin America. *BMC Public Health* 2007; 7.
16. Kelly C, Hernández I, **Franco-Paredes C**, Del Rio C. The Clinical and Epidemiologic Characteristics of Foreign-born Latinos with HIV/AIDS at an Urban HIV Clinic. *AIDS Reader* 2007; 17:73-88.
17. Hotez PJ, Bottazzi ME, **Franco-Paredes C**, Ault SK, Roses-Periago M. The Neglected Tropical Diseases of Latin America and the Caribbean: Estimated Disease Burden and Distribution and a Roadmap for Control and Elimination. *PLoS Negl Trop Dis* 2008; 2:e300.
18. Tellez I, Barragan M, Nelson K, Del Rio C, **Franco-Paredes C**. *Pneumocystis jiroveci* (PCP) in the Inner City: A Persistent and Deadly Pathogen. *Am J Med Sci* 2008; 335:192-197.
19. Rodríguez-Morales AJ, Olinda, **Franco-Paredes C**. Cutaneous Leishmaniasis Imported from Colombia to Northcentral Venezuela: Implications for Travel Advice. *Trav Med Infect Dis* 2008; 6(6): 376-9.

20. Jacob J, Kozarsky P, Dismukes R, Bynoe V, Margoles L, Leonard M, Tellez I, **Franco-Paredes C**. Five-Year Experience with Type 1 and Type 2 Reactions in Hansen's Disease at a US Travel Clinic. *Am J Trop Med Hygiene* 2008; 79:452-454.
21. Delgado O, Silva S, Coraspe V, Ribas MA, Rodriguez-Morales AJ, Navarro P, **Franco-Paredes C**. Epidemiology of Cutaneous Leishmaniasis in Children and Adolescents in Venezuela. *Trop Biomed*. 2008; 25(3):178-83.
22. **Franco-Paredes C**, Lammoglia L, Hernandez I, Santos-Preciado JI. Epidemiology and Outcomes of Bacterial Meningitis in Mexican Children: 10-Years' Experience (1993-2003). *Int J Infect Dis* 2008; 12:380-386.
23. Pedroza A, Huerta GJ, Garcia ML, Rojas A, Lopez I, Peñagos M, **Franco-Paredes C**, Deroche C, Mascareñas C. The Safety and Immunogenicity of Influenza Vaccine in Children with Asthma in Mexico. *Int J Infect Dis* 2009; 13(4): 469-75.
24. Museru O, **Franco-Paredes C**. Epidemiology and Outcomes of Hepatitis B Virus Infection among Refugees Seen at U.S. Travel Medicine Clinic: 2005-2008. *Travel Med Infect Dis* 2009; 7: 171-179.
25. Rodriguez-Morales AJ, Olinda M, **Franco-Paredes C**. Imported Cases of Malaria Admitted to Two Hospitals of Margarita Island, Venezuela: 1998-2005. *Travel Med Infect Dis* 2009; (1): 48-45.
26. Kelley CF, Checkley W, Mannino DM, **Franco-Paredes C**, Del Rio C, Holguin F. **Trends in Hospitalizations for AIDS-associated *Pneumocystis jiroveci* Pneumonia in the United States (1986-2005)**. *Chest* 2009; 136(1): 190-7.
27. Carranza M, Newton O, **Franco-Paredes C**, Villasenor A. Clinical Outcomes of Mexican Children with Febrile Acute Upper Respiratory Infection: No Impact of Antibiotic Therapy. *Int J Infect Dis* 2010; 14(9): e759-63.
28. Museru O, Vargas M, Kinyua M, Alexander KT, **Franco-Paredes C**, Oladele A. Hepatitis B Virus Infection among Refugees Resettled in the U.S.: High Prevalence and Challenges in Access to Health Care. *J Immigrant Minor Health* 2010;
29. Moro P, Thompson B, Santos-Preciado JI, Weniger B, Chen R, **Franco-Paredes C**. Needlestick injuries in Mexico City sanitation workers. *Revista Panamericana de Salud Pública/Pan American Journal of Public Health* 2010; 27 (6): 467-8.
30. Barragan M, Holtz M, **Franco-Paredes C**, Leonard M. The Untimely Misfortune of Tuberculosis Diagnosis at time of Death. *Infect Dis Clin Pract* 2010; 18(6):1-7.
31. Hochberg N, Armstrong W, Wang W, Sheth A, Moro R, Montgomery S, Steuer F, Lennox J, **Franco-Paredes C**. High Prevalence of Persistent Parasitic Infections in Foreign-born HIV-infected Persons in the United States. *PLoS Neglect Dis* 2011; 5(4): e1034.
32. Larocque RC, Rao SR, Lee J, Ansdell V, Yates JA, Schwartz BS, Knouse M, Cahill J, Hagmann S, Vinetz J, Connor BA, Goad JA, Oladele A, Alvarez S, Stauffer W, Walker P, Kozarsky P, **Franco-Paredes C**, Dismukes R, Rosen J, Hynes NA, Jacquerioz F, McLellan S, Hale D, Sofarelli T, Schoenfeld D, Marano N, Brunette G, Jentes ES, Yanni E, Sotir MJ, Ryan ET; the Global TravEpiNet Consortium. Global TravEpiNet: A National Consortium of Clinics Providing Care to International Travelers--Analysis of Demographic Characteristics, Travel Destinations, and Pretravel Healthcare of High-Risk US International Travelers, 2009-2011. *Clin Infect Dis*. 2012; 54(4):455-462.
33. Espinosa-Padilla SE, Murata C, Estrada-Parra S, Santos-Argumendo L, Mascareñas C, **Franco-Paredes C**, Espinosa-Rosales FJ. Immunogenicity of a 23-valent pneumococcal polysaccharide vaccine among Mexican children. *Arch Med Res* 2012;
34. Harris JR, Lockhart SR, Sondermeyer G, Vugia DJ, Crist MB, D'Angelo MT, Sellers B, **Franco-Paredes C**, Makvandi M, Smelser C, Greene J, Stanek D, Signs K, Nett RJ, Chiller T, Park BJ. *Cryptococcus gattii* infections in multiple states outside the US Pacific Northwest. *Emerg Infect Dis*. 2013; 19 (10):1620-6.
35. **Franco-Paredes C**. Aerobic actinomycetes that masquerade as pulmonary tuberculosis. *Bol Med Hosp Infant Mex* 2014; 71(1): 36-40.
36. Chastain DB, Ngando I, Bland CM, **Franco-Paredes C**, and Hawkins WA. Effect of the 2014 Clinical and Laboratory Standard Institute urine-specific breakpoints on cefazolin susceptibility rates at a community teaching hospital. *Ann Clin Microbiol Antimicrob* 2017; 16(1): 43.
37. Kashef Hamadani BH, **Franco-Paredes C**, MCollister B, Shapiro L, Beckham JD, Henao-Martinez AF. Cryptococcosis and cryptococcal meningitis- new predictors and clinical outcomes at a United States Academic Medical Center. *Mycoses* 2017; doi: 10.1111/myc.12742.

38. Chastain DB, **Franco-Paredes C**, Wheeler SE, Olubajo B, Hawkins A. Evaluating Guideline Adherence regarding Empirical Vancomycin use in patients with neutropenic fever. *Int J Infect Dis* 2018; Feb 22. pii: S1201-9712(18)30052-3. doi: 10.1016/j.ijid.2018.02.016. PMID: 29477362
39. Parra-Henao G, Amioka E, **Franco-Paredes C**, Colborn KL, Henao-Martinez AF. Heart failure symptoms and ecological factors as predictors of Chagas disease among indigenous communities in the Sierra Nevada de Santa Marta, Colombia. *J Card Fail* 2018; Mar 26. pii: S1071-9164(18)30119-2. doi: 10.1016/j.cardfail.2018.03.007.
40. Vela Duarte D, Henao-Martinez AF, Nyberg E, Castellanos P, **Franco-Paredes C**, Chastain DB, Lacunar Stroke in Cryptococcal Meningitis: Clinical and Radiographic Features. *J Stroke and Cerebrovascular Disease* 2019;
41. Chastain DB, Henao-Martinez AF, **Franco-Paredes C**. A clinical pharmacist survey of prophylactic strategies used to prevent adverse events of lipid-associated formulations of amphotericin B. *Infect Dis* 2019;
42. Henao-Martínez AF, Chadawala S, Villamil-Gomez WE, DeSanto K, Rassi A Jr, **Franco-Paredes C**. Duration and determinants of Chagas latency: an etiology and risk systematic review protocol. *JBIS Database System Rev Implement Rep*. 2019 Jul 22. doi: 10.11124/JBISIR-D-18-00018.

**RESEARCH ORIGINAL ARTICLES AS COLLABORATOR (clinical, basic science, other) in refereed journals:**

43. Benator D, Bhattacharya M, Bozeman L, Burman W, Cantazaro A, Chaisson R, Gordin F, Horsburgh CR, Horton J, Khan A, Lahart C, Metchock B, Pachucki C, Stanton L, Vernon A, Villarino ME, Wang YC, Weiner M, Weis S; **Tuberculosis Trials Consortium**. Rifapentine and Isoniazid Once a Week versus Rifampicin and Isoniazid twice a week for Treatment of Drug-susceptible Pulmonary Tuberculosis in HIV-Negative Patients: a Randomised Clinical Trial. *Lancet* 2002; 360:528-34.
44. Weiner M, Burman W, Vernon A, Benator D, Peloquin CA, Khan A, Weis S, King B, Shah N, Hodge T; **Tuberculosis Trials Consortium**. Low INH Concentrations and Outcome of Tuberculosis Treatment with Once-weekly INH and Rifapentine. *Am J Rev Crit Care Med* 2003; 167:1341-1347.
45. Jasmer RM, Bozeman L, Schwartzman K, Cave MD, Saukkonen JJ, Metchock B, Khan A, Burman WJ; **Tuberculosis Trials Consortium**. **Recurrent Tuberculosis in the United States and Canada: Relapse or Reinfection?** *Am J Respir Crit Care Med* 2004; **170**:1360-1366.
- Mendelson M, Davis XM, Jensenius M, Keystone JS, von Sonnenburg F, Hale DC, Burchard GD, Field V, Vincent P, Freedman DO; **GeoSentinel Surveillance Network**. [Health risks in travelers to South Africa: the GeoSentinel experience and implications for the 2010 FIFA World Cup](#). *Am J Trop Med Hyg*. 2010; 82(6): 991-5.
46. Hagmann S, Neugebauer R, Schwartz E, Perret C, Castelli F, Barnett ED, Stauffer WM; **GeoSentinel Surveillance Network**. Illness in children after international travel: analysis from the **GeoSentinel Surveillance Network**. *Pediatrics*. 2010; 125(5): e1072-80.
47. Schlagenhauf P, Chen LH, Wilson ME, Freedman DO, Tcheng D, Schwartz E, Pandey P, Weber R, Nadal D, Berger C, von Sonnenburg F, Keystone J, Leder K; **GeoSentinel Surveillance Network**. Sex and gender differences in travel-associated disease. *Clin Infect Dis*. 2010; 50 (6): 826-32.
48. Jensenius M, Davis X, von Sonnenburg F, Schwartz E, Keystone JS, Leder K, López-Vélez R, Caumes E, Cramer JP, Chen L, Parola P; **GeoSentinel Surveillance Network**. Multicenter GeoSentinel analysis of rickettsial diseases in international travelers, 1996-2008. *Emerg Infect Dis*. 2009; 15(11):1791-8.
49. Chen LH, Wilson ME, Davis X, Loutan L, Schwartz E, Keystone J, Hale D, Lim PL, McCarthy A, Gkrania-Klotsas E, Schlagenhauf P; **GeoSentinel Surveillance Network**. *Emerg Infect Dis*. 2009; 15(11): 1773-82.
50. Nicolls DJ, Weld LH, Schwartz E, Reed C, von Sonnenburg F, Freedman DO, Kozarsky PE; **GeoSentinel Surveillance Network**. [Characteristics of schistosomiasis in travelers reported to the GeoSentinel Surveillance Network 1997-2008](#). *Am J Trop Med Hyg* 2008; 79(5): 729-34.



51. Greenwood Z, Black J, Weld L, O'Brien D, Leder K, Von Sonnenburg F, Pandey P, Schwartz E, Connor BA, Brown G, Freedman DO, Torresi J; **GeoSentinel Surveillance Network**. Gastrointestinal infection among international travelers globally. *J Travel Med* 2008; 15(4):221-8.
52. Davis XM, MacDonald S, Borwein S, Freedman DO, Kozarsky PE, von Sonnenburg F, Keystone JS, Lim PL, Marano N; **GeoSentinel Surveillance Network**. [Health risks in travelers to China: the GeoSentinel experience and implications for the 2008 Beijing Olympics](#). *Am J Trop Med Hyg* 2008; 79(1): 4-8.
53. Boggild AK, Castelli F, Gautret P, Torresi J, von Sonnenburg F, Barnett ED, Greenaway CA, Lim PL, Schwartz E, Wilder-Smith A, Wilson ME; **GeoSentinel Surveillance Network**. Vaccine preventable diseases in returned international travelers: results from the GeoSentinel Surveillance Network. *Vaccine* 2010; 28(46):7389-95.
54. Esposito DH, Han PV, Kozarsky PE, Walker PF, Gkrania-Klotsas E, Barnett ED, Libman M, McCarthy AE, Field V, Connor BA, Schwartz E, MacDonald S, Sotir MJ; **GeoSentinel Surveillance Network**. Characteristics and spectrum of disease among ill returned travelers from pre- and post-earthquake Haiti: The GeoSentinel experience. *Am J Trop Med Hyg* 2012 Jan; 86(1):23-8.
55. Boggild AK, Castelli F, Gautret P, Torresi J, von Sonnenburg F, Barnett ED, Greenaway CA, Lim PL, Schwartz E, Wilder-Smith A, Wilson ME; **GeoSentinel Surveillance Network**. Latitudinal patterns of travel among returned travelers with influenza: results from the GeoSentinel Surveillance Network, 1997-2007. *J Travel Med* 2012; 19(1):4-8. doi: 10.1111/j.1708-8305.2011.00579.x.

#### REVIEW, EDITORIALS, CASE SERIES, CASE REPORT ARTICLES:

56. **Franco-Paredes C**, Jurado R. Ankylosing Spondylitis Fibrocavitary Lung Disease. *Clin Infect Dis* 2001; 32:1062.
57. **Franco-Paredes C**, Evans J, Jurado R. Diabetes Insipidus due to *Streptococcus pneumoniae* Meningitis. *Arch Intern Med* 2001; 161; 1114-15.
58. **Franco-Paredes C**, Blumberg H. Tuberculosis Psoas Abscess caused by *Mycobacterium tuberculosis* and *Staphylococcus aureus*: Case Report and Review. *Am J Med Sci* 2001; 321:415-17.
59. Jurado R, **Franco-Paredes C**. Aspiration Pneumonia: A Misnomer. *Clin Infect Dis* 2001;33:1612-3.
60. Del Rio Carlos, **Franco-Paredes C**. Bioterrorism: A New Public Health Problem. *Sal Publ Mex* 2001; 43:585-88.
61. **Franco-Paredes C**, Blumberg H. New Concepts in the Diagnosis of Latent Tuberculosis Infection. *Consultant* 2001; 41:1105-1121.
62. **Franco-Paredes C**, Bellehemur T, Sanghi P, et al. Aseptic Meningitis and Retrobulbar Optic Neuritis Caused By VZV Preceding the Onset of PORN in a Patient with AIDS. *AIDS* 2002; 16:1045-1049.
63. **Franco-Paredes C**, Mehrabi D, Calle J, Jurado R. Night Sweats Revisited. *Infect Dis Clin Pract* 2002; 11:291-293.
64. **Franco-Paredes C**, Jurado R, Del Rio C. The Clinical Utility of the Urine Gram Stain. *Infect Dis Clin Pract* 2002; 11:561-563.
65. **Franco-Paredes C**, Agudelo C. Editorial Response: The Ever Expanding Clinical Spectrum of Tuberculosis. *J Clin Rheumatol* 2002;8:1-2.
66. **Franco-Paredes C**, Rebolledo P, Folch E, Hernandez I, Del Rio C. Diffuse CD8 Lymphocytosis Syndrome in HIV-infected Patients. *AIDS Reader* 2002; 12:408-13.
67. **Franco-Paredes C**. Human Immunodeficiency Virus Infection as a Risk Factor for Tuberculosis Infection and Clinical Disease. *Infect Med* 2002; 19:475-479.
68. **Franco-Paredes C**, Leonard M, Jurado R, Blumberg H. Tuberculosis of the Pancreas. Report of two cases and Review of the Literature. *Am J Med Sci* 2002; 323(1): 54-58.
69. DiazGranados C, **Franco-Paredes C**, Steinberg J. A Long Suffering Patient with New Abdominal Pain. *Clin Infect Dis* 2002; 34(9):1213-1214; 1267-1268.
70. **Franco-Paredes C**, Martin K. Extranodal Rosai-Dorfman Manifested in the Meninges. *Southern Med J* 2002; 95(9): 1101-1104.

71. **Franco-Paredes C**, Workowski K, Harris M. Infective Endocarditis-Endarteritis Complicating Coarctation of the Aorta. *Am J Med* 2002; 112(7):590-92.
72. Folch E, Hernandez I, Barragan M, **Franco-Paredes C**. Infectious Disease, Non-Zero Sum Thinking and the Developing World. *Am J Med Sci* 2003; 326:66-72.
73. **Franco-Paredes C**, Santos Preciado JI. Parasitology Resources on the World Wide Web: A Powerful Tool for Infectious Diseases Practitioners. *Clin Infect Dis* 2003; 37:694-701.
74. **Franco-Paredes C**, Tellez I, Santos-Preciado JI. Monkeypox Virus Infection Appears in the Americas. *Salud Publ Mex* 2003; 45:428-430.
75. **Franco-Paredes C**, Del Rio C, Nava Frías M, Rangel Frausto S, Téllez I, Santos Preciado JI. Confronting Bioterrorism: Epidemiologic, Clinical, and Preventive Aspects of Smallpox. *Sal Publ Mex* 2003; 45:298-309.
76. **Franco-Paredes C**, Kuri-Morales P, Alvarez-Lucas C, Zavala E, Betancourt M, Nava-Frias M, Santos-Preciado JI. Severe Acute Respiratory Syndrome: A Global View of the Epidemic. *Sal Publ Mex* 2003; 45:211-220.
77. Huneycut D, Folch E, **Franco-Paredes C**. Atypical Manifestations of Infections in Patients with Familial Dysautonomia. *Am J Med* 2003; 115(6): 505-506.
78. **Franco-Paredes C**, Sanghi P. Progressive Multifocal Leukoencephalopathy. *Infect Med* 2003; 20(8):376.
79. **Franco-Paredes C**, Guarner J, McCall C, Mehrabi D, Del Rio C. Clinical and Pathological Recognition of Leprosy. *Am J Med* 2003; 114(3):246-7.
80. **Franco-Paredes C**, Lammoglia L, Santos Preciado JI. Historical Perspective of Smallpox in Mexico: Origins, Elimination, and Risk of Reintroduction due to Bioterrorism. *Gac Med Mex* 2004; 141:321-328.
81. Santos-Preciado JI, **Franco-Paredes C**. Influenza Vaccine in Childhood: a Preventive Strategy of National Priority. *Salud Publ Mex* 2004; 46:498-500.
82. Almeida L, **Franco-Paredes C**, Pérez LF, Santos JI. Meningococcal Disease: Preventive and Clinical Aspects. *Salud Publ Mex* 2004; 46(5):438-50.
83. **Franco-Paredes C**, Téllez I, Del Rio C. The Inverse Relationship between Decreased Infectious Diseases and Increased Inflammatory Disease Occurrence. *Arch Med Res* 2004; 35:258-26.
84. Arria M, Rodríguez-Morales A, **Franco-Paredes C**. Galeria Eco-epidemiológica de la Cuenca Amazónica. *Rev Peru Salud Publ* 2005; 22:236-240.
85. **Franco-Paredes C**, Lammoglia L, Santos-Preciado JI. The Spanish Royal Philanthropic Expedition to Bring Smallpox Vaccination to the New World and Asia in the 19<sup>th</sup> Century. *Clin Infect Dis* 2005; 41:1285-1289.
86. Diaz-Borjon A, Lim S, **Franco-Paredes C**. Multifocal Septic Arthritis: An Unusual Complication of Invasive *Streptococcus pyogenes* Infection. *Am J Med* 2005. 118(8): 924-925.
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- Franco-Paredes C**. Leprosy. In: Neglected Tropical Diseases. Drug Discovery and Development. Ed: Swinney D, Pollastri. Wiley-VCH Verlag GmbH & Co. KGaA, 2019.
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## FORMAL TEACHING

### Medical Student Teaching

- |             |                                                                                                                                          |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------|
| 2001 - 2002 | Clinical Methods, Emory University School of Medicine                                                                                    |
| 2001 - 2002 | Clinical Instructor Harvey Cardiology Course, Emory University School of Medicine                                                        |
| 2001 - 2002 | Problem-Based Learning for Second year Medical Students, EUSM                                                                            |
| 2005-2011   | Clinical Methods Preceptor, ECLH                                                                                                         |
| 2006-2008   | Medical Spanish - Instructor for M2, EUSM                                                                                                |
| 2006-2007   | Directed Study on Social Determinants of Infectious Diseases for M2 students (Lindsay Margolis and Jean Bendik), EUSM                    |
| 2007-2011   | Instructor - Global Health for M2 Students, EUSM                                                                                         |
| 2007-2008   | Presentation-Case Discussion – Social Determinants of Diseases – Coordinated by Dr. Bill Eley – Emory School of Medicine New Curriculum. |

- 2018- Small Group: Parasitic Diseases, Microbiology Course for First Year Medical Students, University of Colorado, Anschutz Medical Center.
- 2019- MS-2 Small group discussion Microbiology, University of Colorado, Anschutz Medical Center: Parasitic Diseases, CNS Infections, Septic Arthritis-Cat Bite
- 2019- Class Global Health and Underserved Populations of the New SOM CU Curriculum. Course Co-Director. Pilot Class (Jan 6-Jan 17, 2020).
- 2020- MS-2 Small group discussion Microbiology, University of Colorado, Anschutz Medical Center: Parasitic Diseases, CNS Infections, Septic Arthritis-Cat Bite

#### **Graduate Program**

##### **Training programs**

- 2006-2011 Professor - GH511 (Global Health 511) International Infectious Diseases Prevention and Control, Rollins School of Public Health
- 2009-2011 Professor – GH500 D – Key Issues in Global Health, Career MPH Program
- 2006-2011 Thesis Advisor to students Global Health Track – Hubert Department of Global Health, Rollins School of Public Health of Emory University
- 2008-2011 Coordinator International Exchange between Rollins School of Public Health and National Institute of Public Health, Cuernavaca, Mexico – Supported by the Global Health Institute of Emory University

##### **Residency and Fellowship Program:**

- 2004-2011 Resident Report – Noon Conferences Emory Crawford Long Hospital and Grady Memorial Hospital
- 2004-2011 Didactic Lectures on Parasitic Diseases and Non-tuberculous mycobacterial diseases for Internal Medicine Residents and Infectious Disease Fellows
- 2005-2008 Coordinator Journal Club Infectious Disease Division
- 2005-2011 Travel Medicine Elective, Internal Medicine Residents (2 internal residents per month)
- 2005 Grand Rounds – EUH - Department of Medicine: “Travel Medicine”
- 2006 Grand Rounds – ECLH – Department of Medicine: “Malaria”
- 2008 Grand Rounds - ECLH – Department of Medicine: “Leprosy”
- 2008-2011 Journal Club Coordinator, Internal Medicine Residency Program – ECLH
- 2009 Grand Rounds - EUH – Department of Medicine: “Leprosy a Modern Perspective of an Ancient Disease”
- 2009 Grand Rounds – Pulmonary and Critical Care Division – Neglected Tropical Diseases of the Respiratory Tract, June 16, 2009
- 2017 Grand Rounds – Leprosy, University of Colorado, Anschutz Medical Center, Division of Infectious Diseases, December 2017
- 2017 Grand Rounds – Infections associated with Secondary Antiphospholipid Syndrome, University of Colorado, Anschutz Medical Center, Division of Rheumatology,
- 2018 Didactic Session – Travel Medicine (Pretravel and Postravel) Infectious Diseases Fellowship Anschutz Medical Center, Division of Infectious Diseases
- 2017- Infectious Diseases Fellows Clinic, University of Colorado, Anschutz Medical Center, IDPG.
- 2019 Invited Speaker: Travel Medicine, Pretravel/Postravel Care, Physician Assistant Program, September 12, 2019, University of Colorado, Anschutz Medical Center

##### **Other categories:**

- 2000-2002 Physician Assistant Supervision during Fellowship/Junior Faculty, Emory University
- 2004-2007 Mentoring of four College Students to enter into Medical School (Emory, Southern University, and Dartmouth):  
Lindsay Margolis 2004-Emory University  
Michael Woodworth 2005 – Emory University  
Peter Manyang 2007 – Southern University  
Padraic Chisholm 2007 – Southern University/Emory University
- 2009-2011 Project Leader. Partnership – Emory Global Health Institute – University-wide - Emory Travel Well Clinic and is titled Hansen’s disease in the state of Georgia: A Modern Reassessment of



an Ancient Disease". <http://www.globalhealth.emory.edu/fundingOpportunities/projectideas.php>.  
 Students: 5 MPH students (RN/MPH, MD/MPH)  
 2017- Infectious Diseases Fellowship Program, University of Colorado, Anschutz Medical Center. Teaching activities Inpatient and outpatient (ID Fellows Weekly Clinic)  
 2019- Infectious Diseases Fellowship Program Director University of Colorado, Aurora Colorado

**Supervisory Teaching:**

Ph.D. students directly supervised:

Global Health, Rollins School of Public Health - PhD Task Force Member – 2007-2009

Residency Program:

Emory University: Internal Medicine Residents and Infectious Disease Fellows Supervision – Inpatient Months – 3-4 months per year on Grady Wards. I participated in the presentation and discussion of clinical cases, and discussion of peer-reviewed journal with medical students, residents, and fellows. Overall evaluations: Outstanding Teacher. (Anna Von 2005-2006; Seth Cohen 2008, Susana Castrejon 2007; Lindsay Margoles 2007-2008; Jean Bendik 2006-2008; Meredith Holtz 2007-2008)

University of Colorado, Anschutz Medical Center (since June 2017- present). Case discussion in infectious diseases during clinical rounds inpatient services (ID Gold, ID Blue, ID Orthopedics).

2004-2009 Thesis advisor – MPH Students – Hubert Department of Global Health – Concentration Infectious Diseases: Brenda Thompson 2004; Katrina Hancy 2004; Trina Smith 2006; Melissa Furtado 2007-2008; Oidda Museru 2008-2009; Hema Datwani 2010; Ruth Moro 2010; Talia Quandelacy 2010

2015 – Class GH511, Topic: "Leprosy" as part of the International Infectious Diseases, Global Health Track, Rollins School of Public Health, Emory University, Atlanta GA

2017 – Class GH511, Topic: "Leprosy" as part of the International Infectious Diseases, Global Health Track, Rollins School of Public Health, Emory University, Atlanta GA

2019 - Project Mentorship – Diffuse lepromatous leprosy. Undergraduate Student,

University of Colorado, Boulder. Mikali Ogbasselassie. Project was carried out in

Collaboration with the Dermatology Center of the Hospital General de Mexico.

Poster presentation by Mikali Ogbasselassie September 22, 2019, UMBC, Baltimore, Maryland.