

MICHAEL LAUZARDO, M.D. MSc

Curriculum Vitae

BIOGRAPHICAL

Address: Division of Infectious Diseases and Global Medicine,
Emerging Pathogens Institute
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EDUCATION

- 2008 London School of Hygiene and Tropical Medicine (External Programme) University of London –
Degree earned: M.Sc. in Epidemiology.
- 1991 University of Florida, Gainesville, Florida
Degree earned: Medical Doctorate
- 1987 University of Miami, Coral Gables, Florida
Degree earned: Bachelor of Science, Biology (Cum Laude)

RESIDENCY

- 1991-1994 Internal Medicine, Carolinas Medical Center, Charlotte, NC

FELLOWSHIP

- 1994-1997 Pulmonary Medicine, University of Florida, Gainesville, Florida

CERTIFICATION

- 1996 American Board of Internal Medicine; Board Certified, Pulmonary Medicine
- 1994 American Board of Internal Medicine; Board Certified, Internal Medicine
- 1992 National Board of Medical Examiners – Diplomate

LICENSURE

- Florida ME 0073592

PROFESSIONAL APPOINTMENTS

- 2012-present Chief and Assistant Professor, Division of Infectious Diseases and Global Medicine
- 2010-2012 Chief and Assistant Professor, Division of Global Medicine
- 2003-2010 Adjunct Assistant Professor

Division of Pulmonary Medicine, University of Florida College of Medicine, Gainesville, Florida.

Description – Maintain an academic outpatient general pulmonary practice. Engage in the teaching activities of the pulmonary division including didactic lectures to the faculty, house staff, and students and individual teaching of fellows.

2002-2010 Deputy TB Health Officer

Florida Department of Health, Bureau of Tuberculosis and Refugee Health, Gainesville, Florida.

Description – Responsible for physician case management of TB cases managed by the counties of northern and central Florida. Assist public and private institutions and practitioners with developing TB control policy in both public and private settings. Help coordinate statewide research projects and help formulate and administer statewide TB control policy.

1997-2002 Adjunct Instructor

Division of Pulmonary Medicine, University of Florida College of Medicine, Gainesville, Florida.

1997- 2001 Senior Physician

Bureau of Tuberculosis and Refugee Health, Florida Department of Health, Gainesville, Florida.

Description – Provide medical management including clinics, x-ray reading, and consultations for the tuberculosis patients of northern and central Florida. Provide program consultation to the county programs of the state of Florida. Provide education and outreach to community practitioners and hospitals. Conduct epidemiological research to address tuberculosis surveillance issues with programmatic significance.

POSITIONS HELD

2008-2009 Vice President/Program Chair, North American Region of the International Union Against Tuberculosis and Lung Disease

1993-1994 House Staff President, Carolinas Medical Center

1989-1990 President, University of Florida Chapter of American Medical Student Association

HONORS AND AWARDS

2009 International Educator of the Year, University of Florida College of Medicine

1992 Bryant L. Galusha Internship Award-Intern of the Year-, Carolinas Medical Center

1985 Phi Theta Kappa, National Honor Society of Community Colleges, Miami-Dade Community College

FOREIGN LANGUAGES

Spanish Fluent

Italian Functional (two years of college level conversational)

MEMBERSHIPS

2003-present National TB Controllers Association

1997-present American Thoracic Society

1997-present International Union Against Tuberculosis and Lung Disease

1996-2000 American College of Chest Physicians

1987-1991 Christian Medical Society

SERVICE

International Health

2005-present Co-Founder of Keira Grace Foundation Inc., a charitable foundation developing partnerships between pediatric oncology programs in North America and Europe with programs in developing countries with

the goal of improving survival rates in low resource settings.

January 1998	Baraderes, Haiti – Clinic physician for church clinic program
February 1994	Bomet, Kenya – Visiting staff and ward physician, World Medical Missions, Tenwek Hospital
November 1992	San Pedro Sula, Honduras – Clinic physician in rural clinics of a Honduran missionary organization
February 1991	Dajabon, Dominican Republic – Extern for staff physicians of the Christian Medical Society
June 1988	Santa Barbara, Honduras – Interpreter for medical missionaries of the Christian Medical Society

University of Florida

2011-present	Department of Medicine Executive Committee
2011	Division Chief selection committee, Division of Infectious Disease
2008-2010	Internal Advisory Board- Emerging Pathogens Institute
2001-2002	TB clerkship coordinator for pulmonary fellows
1998	Faculty selection committee, Division of Pulmonary Medicine
1995-1997	National Aeronautics and Space Administration Space Shuttle Support Physician

Florida Department of Health

2004-2005	Hurricane Special Needs Shelter Volunteer
2002	Member of Non-Tuberculous Mycobacteria Research Committee
2001-2002	Member of TB Research Committee
2001	Member of the medical advisory committee – AG Holley Hospital
July 1998	Volunteer staff physician for emergency special needs shelter

Community

2003-2004	Clinical Core Group Member, Florida/Caribbean AIDS Education and Training Center
1997-1999	Volunteer speaker for American Lung Association of Florida
1996	American Lung Association of Florida, Tuberculosis Core Curriculum lecture series to hospitals in northeast Florida

Editorial

2013-present	Guest manuscript reviewer for the New England Journal of Medicine
2011-present	Guest manuscript reviewer for Blood and Marrow Transplantation
2010-present	Guest manuscript reviewer for Pediatric Infectious Disease
2007-present	Guest manuscript reviewer for International Journal of Tuberculosis and Lung Disease
2006-present	Guest manuscript reviewer for American Journal of Infection Control
2005-present	Guest manuscript reviewer for Medical Science Monitor
1997-present	Guest manuscript reviewer for CHEST

Graduate Student Advisor

2012	Margia Ferrer, MPH. Graduate Project Advisor. “The effect of drug resistance on the presentation of pulmonary tuberculosis in Florida. MPH awarded May 2012.
2012	Maggie Wang, MD MPH. Graduate Project Advisor. “The effect of substance abuse on the presentation of pulmonary tuberculosis in Florida. MPH awarded May 2012.
2006	Paula Hamsho-Diaz, Masters in Latin American Studies. “The effect of stigma on adherence among Hispanic agricultural workers in Florida. MPH awarded May 2008
2004	Alberta Meus, MPH. Graduate project advisor. “Tuberculosis among the foreign-born, opportunities for intervention.” Florida A&M University. MPH awarded May 2005
2002	Bhavna Bhardwaj, MPH. Graduate project advisor. “Review of TB screening policy of international students at a major university.” University of South Florida College of Public Health. MPH awarded August 2002

RESEARCH AND GRANT SUPPORT

Current Support:

Research:

Centers for Disease Control and Prevention 2011-2021
200-2011-41272
Lauzardo (PI) (20% FTE, 2.4 Calendar months)

Tuberculosis Epidemiologic Studies Consortium (TBESC): Study Site Study 1 Prospective comparison of the tuberculin skin test versus the interferon gamma release assays in diagnosing latent tuberculosis infection and in predicting progression to active TB disease.

Description of research: As a newly selected site in the ten site consortium of academic centers and public health departments that make up the TBESC, the first year is in developing the infrastructure necessary to efficiently and effectively conduct the research. The activities of the consortium will be comprised of the main study and several sub-studies. The main objective of the study is to evaluate and compare the performance of the TST and IGRAs in diagnosing LTBI and in predicting progression to active disease. It is a multi-center, prospective, longitudinal cohort with eight years of enrolment and ten years of follow-up. The several sub-studies which will be conducted concurrently will evaluate shorter LTBI treatment regimens and evaluate measures to improve adherence to LTBI therapy.

NIH 2011-2013
1R21 HL107348-01
Fishwick (PI)
Lauzardo (Investigator) (2% FTE .24 Calendar months)

Using Social Network Analysis to Enhance Tuberculosis Contact Investigations

Description of Research: Design and construct a portable web-enabled tuberculosis contact investigation tool and field test the device. The purpose of the tool is to assist the contact investigator achieve a more efficient investigation of the source case's contacts. The tool will incorporate social network analysis to enhance the identification of potential sites of TB transmission.

Training:

Centers for Disease Control and Prevention 2009-2012
Cooperative Agreement Number U52/CCU/40051
Lauzardo (PI) (10% FTE, 1.2 Calendar months)

Regional Tuberculosis Training and Medical Consultation Center (Southeastern National Tuberculosis Center)

Description of research: The Regional Tuberculosis Training and Medical Consultation Center (RTMCC) is a CDC funded Center that was created to maintain and develop the human resource capacity of TB programs throughout the United States. This is done by training and education using all forms of adult learning strategies including lectures, one on one instruction, multi-media interactive presentation, print materials and web-based applications. In addition, the RTMCC provides medical consultation and expert advice for the management of complex and challenging cases of TB. The Principal Investigator is responsible for the overall direction of the RTMCC and is responsible for prioritizing the Center's activities including assembling the team. The PI is also responsible for participating in national TB policy discussions and for assisting with formulating policy particularly as it relates to maintaining an adequate TB workforce.

Programme National de Lutte Contre la Tuberculose 2013

Ministry of Health Republic of Haiti (12% FTE, 1.3 Calendar months)
Lauzardo (PI)
Title of Project: Tuberculosis Clinical Course Training
Description of Project: The Training team at the University of Florida partnered with the Programme National de Lutte Contre la Tuberculose (PNLT) to develop and deliver a 12 module training course in tuberculosis clinical and programmatic training. This was accomplished by a combination of case discussions and didactic lectures in partnership with the National TB Program of the Haitian Ministry of Health (PNLT).

Lab National de Sante Publique 2012-2013
Ministry of Health Republic of Haiti (5% FTE, 0.6 Calendar months)
Lauzardo (PI)
Title of Project: Tuberculosis Laboratory Training
Description of Project: Four trainees will be selected by the Ministry of Health in Haiti to come to the TB lab at the University of Florida in Gainesville to complete TB training in the BSL-3 TB lab. They will then spend a total of 6 months being supervised and receive extra training in Haiti at the UF BSL 3 lab in Gressiers Haiti being supervised by UF staff and receive further training.

Public Health Service

Florida Department of Health 2010-2014
Division of Disease Control (40% FTE, 5 Calendar months)
Lauzardo (PI)
Title of Project: TB Physicians Network
Description of Project: Provide clinical, programmatic, and public health support to the local TB programs of htestate of Florida and to provide similar support to the state TB program. This includes on site clinic coverage for select counties, assistance with contact investigations, reading of x-rays and provision of x-ray consults for patients being screened for TB patients and suspects throughout the state of Florida.

Completed Research Support

NIH
UL1 RR029890, KL2 RR029888 and TL1 RR029889 2009-2013
Nelson (PI)
Lauzardo (Investigator) (20% FTE, 2.4 Calendar months)

Clinical and Translational Science Institute
Description of research: The mission of the University of Florida Clinical and Translational Science Institute is to improve human health by accelerating the translation of scientific discoveries into practical applications and practices for the diagnosis, treatment, prevention and cure of human diseases. The Southeastern National Tuberculosis Center serves as a Clinical Research Unit within the University of Florida CTSI and provides community engagement, IRB support, and unique study populations to the community of investigators within the CTSI.

JHP Pharmaceuticals 2012
JHP 21102-Aplisol-01
Lauzardo (PI)
Aplisol Study 1: Dose determination study to determine that new Aplisol PPD is equivalent to previous batch.
Description of research: A Clinical Trial conducted to determine that a newly formulated batch of purified protein derivative (PPD) solution is equivalent to the previous standard PPD.

Centers for Disease Control and Prevention 2009-2010
Project Number:#200-2009-M-30747
Lauzardo(PI)
Title of Project: Building Partnerships for Infection Control training workshops in Mexico.
Description of research: This project will provide training in Infection Control to healthcare professional in three states in Mexico

- Centers for Disease Control and Prevention 2005-2009
 Cooperative Agreement No. U52/CCU/40051
 Lauzardo (PI)
 Regional Tuberculosis Training and Medical Consultation Center
 Description of research: See Description Above.
- World Health Organization 2008-2009
 PI: El Aouad, Rajae
 Project # 2008-131
 Lauzardo (Co-PI)
 Tropical Disease Research Operational Study: Characteristics of relapse cases of tuberculosis in Rabat, Morocco: A possible cause of ongoing transmission.
 Description of research: This is an operational study that seeks to identify key characteristics of patients who relapse within the first year of completing therapy for active pulmonary TB.
- NIH/Fogarty International Center 2003-2005
 1R01TW006320-01
 Lauzardo (PI)
 Stigma and Tuberculosis in Haitian Populations
 Description of research: This project examined the role of stigma in determining health seeking behaviors and the impact of stigma on adherence to treatment of latent TB infection. This study compared the stigma of TB between Haitian immigrants in Florida versus Haitian nationals living in Haiti.
- Ryan White Foundation State of Florida Department of Health, Division of HIV/AIDS 2003-2004
 Lauzardo (PI)
 Community-Based TB and HIV Screening Project in a Haitian Community Center
 Description of research: This project evaluated the feasibility of providing screening for latent TB infection in a community based family services center providing general social services to recently arrived Haitian immigrants.

BIBLIOGRAPHY

Abstracts

- Nodurft-Froman, M; Hamsho-Diaz, P; Wegener, D; **Lauzardo, M**; Simpson, K. (2012). Tuberculosis Training and Medical Needs Assessment in Puerto Rico. Presented at the National TB Controllers Association annual meeting in Atlanta, GA. June 2012.
- Diaz-Vega A, Duarte Cruz V, Hamsho-Diaz P, **Lauzardo M**. (2012). Assessing tuberculosis-related needs of physicians in the metropolitan areas of Veracruz-Boca del Rio-Medellin in southeastern Mexico. Presented at the 16th annual meeting of the International Union Against Tuberculosis and Lung Disease North America Region San Antonio Texas, 2012.
- K.P. Fennelly, MD, MPH, J. Drucker, MPH, J. Shuster, PhD, **M. Lauzardo**, MD, MPH, S. Ahmedov, MPA, R. Cook, MD, MPH. Variability Of Transmission Of Tuberculosis. *Am J Respir Crit Care Med* 185;2012:A3249.
- Sulca Vera JA, Castellanos-Joya M, García Avilé MA Hamsho-Diaz P, Fennelly K; **Lauzardo M**. (2011). Development of a pilot project in infection control in three Mexican states. Presented at the 15th annual meeting of the International Union Against Tuberculosis and Lung Disease North America Region in Vancouver British Columbia February 2011.
- Carillo L, Sparano A, Fernandez L, Hamsho-Diaz P, **Lauzardo M**. (2011). Development and evaluation of new materials for the Vivir a todo Pulmon! TB fotonovela series. Abstract number 244586. Presented at the 139th Annual meeting of the American Public Health Association in Washington DC October 2011.
- Hamsho-Diaz P, Fernandez L, Mangan J, Gallindo S, **Lauzardo M**. (2011). A participatory approach to develop and evaluate tuberculosis educational products for Spanish-speaking foreign-born persons. Abstract number 245951 Presented at the 139th Annual meeting of the American Public Health Association in Washington DC October 2011.

- Hamsho-Diaz P, Fernandez L, Mangan J, **Lauzardo M**. (2010). "Evaluation and Validation of the ¡Vivir a Todo Pulmón! Fotonovela Series. "TB Education and Training Network Tenth Annual Conference, Centers For Disease Control and Prevention., Atlanta, Georgia.
- Lauzardo M**, Hamsho-Diaz P, Smith K, Sulca Vera JA , García Avilés MA, Yagui Moscoso M, Ochoa Delgado I, Tuckey D. (2010). "A collaborative infection control Project in Mexico." International Journal of Tuberculosis and Lung Disease. Poster Presentation 41st UNION World Conference on Lung Health, Berlin, Germany.
- Mangan J, Ottenwess K, Gokhale K, Wegener D, Keller J, Purcell R, Fineberg N, Gerald L, and **Lauzardo M**. (2008). "An Assessment of Tuberculosis Program Staff Member's Cultural Competency Knowledge, Attitudes, and Skills." Am J Respir Crit Care Med 2008; 177: A438. Presented at the American Thoracic Society International Meeting, Toronto, Canada.
- Coreil J, **Lauzardo M**, Simpson K, Hamilton E. Ethnographic study of tuberculosis and stigma in Haitians. American Public Health Association Annual Meeting, Philadelphia, Pennsylvania, December 2005.
- Murray E, Rhodes H, Cobb J, **Lauzardo M**. tuberculosis in corrections: The need for oversight by state TB programs. North American Region of the UNION, Poster Session 2006, Chicago, Illinois.
- Lauzardo M**, Luster-Harvey Y, Duncan H. Epidemiology of tuberculosis among individuals born in Mexico living in Florida 2003. North American Region of the UNION Poster Session 2005, Vancouver, British Columbia.
- Lauzardo M**. Tuberculosis among children in Florida: 1997-2003. 2004 In Press. International Journal of Tuberculosis and Lung Disease. Poster Presentation 35th UNION World Conference on Lung Health, Paris, France.
- Johnston L, Duncan H, **Lauzardo M**. Completion Rates for Treatment of Latent Tuberculosis Infection in Florida Among Those Born Outside the United States. 2004. In Press. International Journal of Tuberculosis and Lung Disease. Poster Presentation 35th UNION World Conference on Lung Health, Paris, France.
- Lauzardo M**, Sigenthaler C, Lloyd J. Lessons learned from a community based tuberculosis targeted testing project in a Haitian church in Florida. Am J Respir Crit Care Med 163 (5) Part 2; A-804.
- Lauzardo M**, Coreil J, Kellman M, Heurtelou M, McMillan M Barriers and incentives to treatment of latent TB infection and contact investigations in the Haitian community of South Florida. Am J Respir and Crit Care Med. Am J Respir and Crit Care Med 165 (8) Part 2; A-631.
- Lauzardo M**, Duncan H, Szwed T, Narita M, Hale Y. Tuberculosis among individuals of Haitian origin in Florida; opportunities for intervention. Am J of Respir and Crit Care Med 163 (5) Part 2; A-100.
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- Lauzardo M**, Gonzalez-Rothi RJ, King S, Beaulieu L. Knowledge and attitudes about tuberculosis in a public health primary care clinic. Am J Respir and Crit Care Med 153(4) A-130, 1996.
- Stratford S, Gonzalez-Rothi RJ, **Lauzardo M**, Stecenko A. A six-year cross-sectional study of mycobacterial infection in cystic fibrosis. Am Rev of Respir Dis 145 (4) A-116, 1992.

Original Peer Reviewed Research

- Heurtelou M, **Lauzardo M**, Coreil J. Anticipated tuberculosis stigma among health professionals and Haitian patients in South Florida. J Health Care Poor Underserved. 2012 May;23(2):636-50.
- Dai J, Chen Y, **Lauzardo M**. Web-accessible database of hsp-65 sequences from Mycobacterium reference strains. Journal of Clin Micro, June 2011, p.2296-2303, Vol 49, No 6.
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Coreil J, **Lauzardo M**, Hertelou M. Cultural assessment of tuberculosis prevention among persons of Haitian origin in South Florida. *J of Immigrant Health* April 2004, Vol 6 (2) page 63-69.

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Case Reports

Lauzardo M, Duncan H, Hale Y, Lee P. Transmission of tuberculosis to a funeral director during routine embalming. *Chest* 2001 119:640-642.

Editorial

Lauzardo M, Hollender ES, Narita M, Ashkin D. Who dunnit? The changing face of TB control utilizing RFLP. *Chest* 2001 Dec;120 (6): 1765-1768.

Ashkin D, Julien J, **Lauzardo M**, Hollender E. Consider rifampin but be cautious. *Chest* 2006 Dec;130;1638-1640.

Editorial Letter

Brunetti LL, **Lauzardo M**, Baucom MP, Mc Duffie SR, Norton HJ. Treatment of nocturnal leg cramps. *Arch Intern Med* 1994 May 9(9): 1037-1038.

Review Articles

Lauzardo M, Ashkin D. Phthisiology at the dawn of the new century; a review of tuberculosis and the prospects for its elimination. *Chest* 2000; 117:1455-1473.

Lauzardo M, Harman E. Evaluation and treatment of the chronic cough. *IM*, Vol 18(8), 1997.

Lauzardo M, Peloquin C. Anti-tuberculosis therapy for 2012 and beyond. *Expert Opin Pharmacother*. 2012 Mar;13(4):511-26.

Book Chapters

Lauzardo M, Julien J, Ashkin D. Tuberculosis and Non-Tuberculous Mycobacterial Lung Disease. In Bone's Atlas of Pulmonary Medicine, 4th ed., Crapo J editor. Current Medicine, LLC. 2008.

Lauzardo M, Julien J, Ashkin D. Tuberculosis. In Public Health Foundations, Concepts and Practices, First edition. Andresen A and Bouldin ED editors, John Wiley and Sons, Inc. 2010

Ashkin D, Hale Y, Hollender E, **Lauzardo M**, Narita M, Pitchenik AE, Salfinger M, and Stambaugh JJ. Mycobacterial Disease in Patients with HIV Infection. In *AIDS and Other Manifestations of HIV Infection*, 4th ed., Wormser G editor, Lippincott Williams and Wilkins, 2004.

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Other Publications

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