

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors in the order listed on Form Page 2.
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NAME Wanda I. Figueroa Cosme		POSITION TITLE Associate professor	
eRA COMMONS USER NAME (credential, e.g., agency login) WANFIG			
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	MM/YY	FIELD OF STUDY
University of Puerto Rico, San Juan, Puerto Rico	BS	1981	Chemistry
University of Puerto Rico, San Juan, Puerto Rico	MD	1986	Medicine
Dr. Eduardo Garrido Morales Hospital	Residency	1986 - 1989	Pediatrics

A. Personal Statement

I am a pediatrician who had participated as Principal Investigator at one of the sites of the Pediatric AIDS Clinical Trial Group (PACTG) from 1999-2002. I have experience in therapy administration for pediatric AIDS clinical trials. I was the Co-Principal Investigator in one pilot project from Retrovirus Research Center, ASUMA project. This project was a HIV prevention program for early adolescents and their parents. Also, I was a Principal Investigator of one individual pilot project funded by the Puerto Rico Comprehensive Center for Study of HIV Disparities (PR-CCHD) in which we were looking for the communication about sexuality between mothers and their adolescents' daughters. I am the Co-Principal Investigator of the Data Management and Statistical Research Support Unit (DMSRSU). Also, I am involved in the coordination of a Clinical Research course for medical students at UCC. I am a member of the Universidad Central del Caribe (UCC) Institutional Review Board (IRB) since 2002; this experience had increased my knowledge in investigational techniques and to be able to harmonize these with the regulatory requirements for Research in Human Subjects. I am also a research advocate for the key function of the Regulatory and Knowledge Unit of the PRCTRC. My expertise in pediatric HIV and regulatory issues will contribute to this project to facilitate the study implementation and the execution of the research protocol and the study procedures. This research project will be benefit from my expertise in ensuring that all research activities are in compliance of federal and local policies, rules and guidelines. Also, to ensure that the research study will follow the highest standards and the protection of the human subjects, especially the children participating in this study.

B. Positions and Honors

Positions and Employment

- 2011- at present: UCC Research Subject Advocate of Regulatory Knowledge and Support Key Function
Puerto Rico Clinical and Translational Research Consortium
UPR Medical Sciences Campus School of Medicine, San Juan, P.R.
- 2007- at present: Attending Physician & Associate Professor
Universidad Central del Caribe-School of Medicine, Bayamon, PR
- 2006- 2009: Principal Investigator / PR-CCHD Communication Pilot Project
Universidad Central del Caribe-School of Medicine, Bayamón, P.R.
- 2004 - 2009: Co-Principal Investigator / RCMI-ASUMA Pilot Project
Universidad Central del Caribe-School of Medicine, Bayamón, P.R.
- 2002- at present: IRB Member
Universidad Central del Caribe-School of Medicine, Bayamón, PR
- 2001 - 2004 : Co-Principal Investigator / Immune restoration Pilot Project
Universidad Central del Caribe-School of Medicine, Bayamón, P.R.

- 1998- 2007 : Attending Physician & Assistant Professor
Universidad Central del Caribe-School of Medicine, Bayamón, PR
- 1999- 2002 : Principal Investigator, Direct AIDS Clinical Trials Group
Universidad Central del Caribe-School of Medicine, Bayamón, PR
- 1998-1999: Co-Investigator, Direct AIDS Clinical Trials Group
Universidad Central del Caribe-School of Medicine, Bayamón, PR
- 1998- at present: Pediatrician, Faculty Pediatric Department
Universidad Central del Caribe-School of Medicine, Bayamón, PR
- 1990 - 1999 : Pediatrician, Private Practice, Caguas, PR
- 1989-1996 : Pediatrician, Centro de Diagnóstico y Tratamiento Caguas, Caguas, PR

Other Experience and Professional Memberships

- 2008-
Present University of Puerto Rico Mentoring Institute for HIV and
Mental Health Research (Funded by the National Institute
of Mental Health-NIMH Mentee)
- 2008
Present Trans-Caribbean HIV/AIDS Research Initiative-TCHARI
Mentorship Program (Office of AIDS Research-OAR
Funded by the National Institutes of Health Mentee)
- 2005-
2000- Puerto Rico Pediatric Association
Puerto Rico College of Physicians and Surgeons

C. Selected Peer-reviewed Publications

- Rodríguez. J.W., **Figueroa, W.I.**, Pérez-Casanova A.E., Machado, M., Pagán, N.O., Ríos, Z., et al. *Immunological Dynamics of CD⁺T-lymphocytes During HIV Infections and It's Association with Disease Progression*. Immunology E18C5580. 2004; pp 215-221.
- Fernández-Santos, D.M., Gómez, M.A., **Figueroa-Cosme, W.I.**, Velázquez-Díaz, M., Báez, .D, Ríos-Olivares, E., Hunter-Mellado, R.F. *A Comparison of the Socio-demographic, risk behavior and substance abuse profile of Young vs. Older HIV infected Puerto Rican patients*. Ethnicity and Disease. Autumn 2005: 15: 25-29. PMID: 16315378
- Fernández-Santos, D.M., **Figueroa-Cosme, W.I.**, Maysonet-Cruz, J., Gómez-Escudero, M.A. and Hunter-Mellado, R.F. *Changes in HIV/AIDS Knowledge among early adolescents in Puerto Rico*. Ethnicity and Disease.2008; 18:S2-146-S2-150. PMID: 18646338
- Nazario-Rodríguez, I.J., **Figueroa-Cosme, W.I.**, Rosado, J., Parrilla, I del C. *Perception of parents regarding their children's weight*. *Boletín Asociación Médica de Puerto Rico* 2008 Apr-Jun;100(2):33-8. PMID: 19227728
- Jiménez-González, C., Santini, V., **Figueroa-Cosme. W.I.**, Parilla I del C. *Do parents know about the adverse effects of passive smoking and the relationship with respiratory illness on their children?* *Boletín Asociación Médica de Puerto Rico* 2008 Apr-Jun;100(2):39-46. PMID: 19227729
- Figueroa-Cosme, W.I.**, MD; Fernández-Santos, D.M., EdD; Miranda-Díaz, C., MPHE; Maysonet-Cruz, J., BSHE; Ramón-Rodríguez, R.O., MS. (2010). *Gender Differences in Social and Developmental Factors Affecting Puerto Rican Early-Adolescents*. *Boletín Asociación Médica de Puerto Rico*: 2010: 102 (03): 34-41.
- Figueroa-Cosme, W.I.**, López-Córdova, N.M., Capriles-Quiros, J.A. Mothers of adolescent girls: comparing HIV positive and HIV negative women. *Ethn Dis*. 2010 Spring;20(1 Suppl 1):S1-127-30. PMID: 20521400.
- López-Cordova, N., **Figueroa-Cosme, W.I.**, Capriles-Quiros, J.A., Vázquez, G. Easier Recruitment of HIV positive and negative women in Puerto Rico: the experiences of a research team. *Ethn Dis*. 2010 Spring;20(1 Suppl 1):S1-155-7. PMID: 20521406.
- Fernández-Santos, D.M., **Figueroa-Cosme, W.I.**, Gómez Mde A., Maysonet-Cruz, J., Miranda-Díaz, C., Sepúlveda, M., Ríos-Olivares, E., Hunter-Mellado, R.F. Changes in developmental factors and HIV risk behaviors among early adolescents in Puerto Rico. *Ethn Dis*. 2010 Spring;20 (1 Suppl 1):S1-122-6. PMID: 20521399.
- Fernandez-Santos DM, **Figueroa-Cosme, W.I.**, Miranda C, Maysonet J, Mayor-Becerra A and Hunter-Mellado R. (2011). Prevention Strategies for HIV Infection Risk Reduction among

Hispanic/Latino Adolescents. HIV Infection (Book 4), Oct. 2011 (183-200) Chapter Num. 4
ISBN: 979-953-307-190-8.

11. **Figueroa-Cosme WI**, Miranda C, Lopez-Cordova NM, Capriles- Quiros JA, Santiago L, Velez CN, Zorilla C. (2012). Discussion of sexuality among daughters and mothers: The experience of Puerto Rican HIV sero positive and HIV sero negative mothers. Journal of Health Communication. (Submitted)

D. Research Support

Ongoing Research Support:

2G12RR03035 (Rodríguez- PI) 08/2009/07/2014 NCRR-NIH

Data Management and Statistical Research support Unit (DMSRSU)

The overall goal of the DMSRSU is to become a support unit for RCMI and other UCC researchers in order to enhance the level of research excellence in the institution.

Role: Co-PI

1U54RR026139 (Fronteras- PI) 09/2010-07/2013 NIH

Puerto Rico Clinical and Translational Research Consortium (PRCTRC)

Regulatory Knowledge and Support Unit

The goal if this unit is to ensure that all PRCTRC research activities are in compliance with the federal policies, rules, and guidelines for research involving human subjects or animal.

Role: Research Advocate

Completed Research Support:

5R25MH083617 (Zorilla- PI) 07/2009-06/2010 NIMH

Development of a sexual communication scale to measure the level of sexual communication between HIV positive mothers and HIV negative mothers and their adolescent daughters

Role: Principal investigator

2G12RR03035 (Candelario - PI) 09/2004-08/2009 NCRR-NIH

ASUMA- A Supportive Model for HIV Risk Reduction in Early Adolescents. A purpose of this study is evaluated if an intervention based on a parent and adolescent supportive model will modify the HIV risk behavior among early adolescents.

Role: Co-investigator

1U54RR019507-01 (Zorrilla-PI) 03/2007- 08/2009 NCRR-PR CCHD

Exploring the Level of Knowledge and Communication Skills of Mothers Living with HIV/AIDS

This study aims to evaluate the level of HIV knowledge and communication skills competency in HIV + mothers in care of female adolescents related to the discussion of family planning, sexuality, and HIV/AIDS risks reduction and practices.

Role: Principal Investigator

2G12RR03035 (Candelario - PI) 09/2001- 08/2004 NCRR-NIH

Immune Restoration of HAART in HIV-Infected Puerto Rican Children

The goal of this grant is to explore the immune-virological factors involved in immune restoration in HIV-infected Puerto Rican children undergoing HAART. The hypothesis to be tested in this research project is that immune restoration associated to HAART in HIV-infected children reconstitutes T-cell phenotype, lymphocyte proliferative response, and cytokine/ β -chemokine production.

Role: Co-Investigator

2G12RR03035 (Candelario - PI) 09/1996- 08/2004 NCRR-NIH

HIV/AIDS Data Core

The overall goal of the HIV/AIDS Data Core is the study of the natural history of HIV infection in the island. The HIV/AIDS Data Core is a tool destined to provide information and support the clinical, basic, and behavioral scientist interested in the development of research questions dealing with HIV problems in our community. Role: Medical Liaison.
