BIOGRAPHICAL SKETCH

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NAME: Díaz-Artiga, Anaité

eRA COMMONS USER NAME (credential, e.g., agency login): ADIAZUVG

POSITION TITLE: Team Leader and Senior Investigator of the Field Epidemiology Training Program and Environmental Health Program at the Center for Health Studies. Lecturer at the Department of Epidemiology at the Faculty of Sciences and Humanities. Universidad del Valle de Guatemala (UVG)

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)*

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	Completion Date MM/YYYY	FIELD OF STUDY
Universidad de San Carlos de Guatemala	BS	02/1998	Pharmacy and Chemistry
University of Granada, Spain	MSP	06/2007	Public Health and Management
University of Copenhagen	MPH	08/2008	Epidemiology (Quantitative Analysis Methods)

A.Personal Statement

My role on the proposal entitled: “Household Air Pollution and Childhood Respiratory Infections: An Environmental Epidemiology Training Program for Guatemala**”** (NIH D43) is to serve as a subject matter expert and a mentor for the Masters´ students who will be granted with this Fellowship Program. For over 20 years, I have made my professional career at Universidad del Valle de Guatemala (UVG), serving as an investigator for the Center for Health Studies focusing my research on Household Air Pollution and Maternal and Child Health, mainly implementing Epidemiological Intervention Studies. Also, for over 10 years I have served as a mentor for the Advanced Level trainees of the Central America and the Caribbean Field Epidemiology Training Program (CA-FETP), and for students of the Masters in Epidemiology. The latter is a graduate Program for which I served as Director. I am currently the team lead at UVG for the CDC-funded CA FETP strategy, assuring the quality of the advanced level FETP, as well as designing continuous education courses for mentors and graduates of that Program. I combined my passion as an educator, with being a researcher, conducting applied public health research, overseeing surveillance studies, and providing the technical expertise to plan, monitor and evaluate health-related interventions. During my professional career at UVG, I have been involved in a broad array of public health projects. This experience prepared me to become the Director of Epidemiology Department at the Faculty of Sciences in 2013. My earliest achievements as a researcher were serving as Project Manager for RESPIRE Clinical Trial in 2002. I was the Project Manager at the site for this first global randomized intervention trial using “cleaner cook stoves” to reduce household air pollution and acute lower respiratory infections in infants. This intervention was an effort among several academic institutions and international organizations, such as WHO; University of California at Berkeley; University of Liverpool, UK; and Harvard University. This was the major research project that influenced my career in Epidemiology. I have continued working in a multi-institutional and transdisciplinary environment, conducting several studies related to Household Air Pollution and Maternal and Child Health. Since 2016, I am a co-investigator at HAPIN consortium. The HAPIN trial was the largest

multicentric randomized controlled trial ever conducted on Household Air Pollution that was leaded by Dr. Thomas Clasen at Emory University.

In my role as Director of the Epidemiology Department, I collaborated with colleagues from CDC and UNC in standardizing curricula and training materials among the three tiers of the Central America Field Epidemiology Training Program (CA FETP). This curriculum is used as a model for other FETP Programs around the world. During the last 14 years that I have been part of the FETP, I have been in charge of starting the local FETP in Panama and Belize, training over 500 public health officers to use epidemiological and biostatistical tools to improve surveillance and outbreak investigation. I have mentored over 50 advanced-level trainees who are now in key positions as epidemiologists of public health institutions like the MoH, the Social Security System and the Ministry of Agriculture and Livestock. Being mentored by very experienced researchers and public health officers gave me the opportunity to supervise large field-based research studies, using epidemiology, data administration and biostatical tools. The experience creating and adapting material for the FETPs and mentoring FETP trainees, attracted TEPHINET (Training in Epidemiology and Public Health Intervention Network) to invite me as a member of the, I am now part of the FETP Learning Advisory Committee (FLAC) hosted by TEPHINET.

B. Positions, Scientific Appointments, and Honors

Positions and Employment

1998-2003	Research Assistant, Center for Health Studies (CHS), UVG
2003-2005	Field Project Manager, Randomized Exposure Study of Pollution Indoors and Respiratory Effects (RESPIRE) controlled trial, Universidad del Valle de Guatemala
2007	Research Fellow, Escuela Andaluza de Salud Pública, Granada
2008	Intern, WHO Regional Office for Europe, Denmark
2009-	Director, Central America Region Field Epidemiology Training Program, Universidad del Valle de Guatemala in collaboration with CDC
2009-	Team Leader, various projects conducted by the Environmental Health Program at Center for Health Studies, Universidad del Valle de Guatemala
2013-2020	Director, Department of Epidemiology, Faculty of Sciences and Humanities, Universidad del Valle de Guatemala

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Other Experience and Professional Memberships

2008-	EMA Erasmus Mundus (Europubhealht Alumni Association)
2009-	Co-editor of the Field Epidemiology Regional Bulletin COMISCA/RedCEC
2009-	Member, Training Programs in Epidemiology and Public Health Interventions Network (TEPHINET)
2013-	Member, CHS Directors Board
2014-20	Member, Faculty of Sciences Board of Directors

Honors

1997	*Suma Cum Laude*: Olimpia Altuve Award for highest GPA in Pharmacy Class of 1996
2006	*Erasmus Mundus* Scholarship to study the 2 year-program of the European Master in Public health

C. Contributions to Science

1. The first randomized controlled trial on household air pollution and childhood pneumonia RESPIRE was conducted in Guatemala and I served as the Field Project Manager in charge of implementing the intervention, translate and pilot the consent forms, questionnaires and SOPs, and supervising the follow-up of the 518 participants, assuring the quality of the study as well as serving as the intermediary between the local authorities, the field workers and the investigators.
   a. Smith KR, McCracken JP, Weber MW, Hubbard A, Jenny A, Thompson LM, Balmes J, **Diaz A, Arana B**, Bruce N. (2011). Effect of reduction in household air pollution on childhood pneumonia in Guatemala (RESPIRE): A randomized controlled trial. Lancet, 378(9804), 1717-1726. PMID: 22078686
   b. Bruce N, **Diaz A, Arana B**, Jenny A, Thompson L, Weber M, McCracken JM, Dherani D, Juarez D, Ordonez S, Klein R, Smith KR. Pneumonia case-finding in the Guatemala indoor air pollution trial (RESPIRE): Standardizing methods for resource-poor settings. Bull World Health Organ. 2007 Jul; 85(7):535-44. PMC2636369
   c. Thompson L, Diaz J, **Diaz A**, Jenny A, Bruce N, Balmes JR. Nxwisen, ntzarrin or ntzolin? Mapping children's respiratory symptoms among indigenous populations in Guatemala. Soc Sci Med. 2007 Oct; 65(7):1337-50. PMC2040052

2. To elucidate the problem of persistent use of wood stoves and to understand the adoption of new cookstoves, like liquefied petroleum gas, we have conducted several studies using implementation science frameworks and behavior change theory to find new solutions to reduce the household burden of air pollution.
   a. Clasen TF, Chang HH, Thompson LM, Kirby MA, Balakrishnan K, **Díaz-Artiga A**, McCracken JP, et al. Liquefied Petroleum Gas or Biomass for Cooking and Effects on Birth Weight. N Engl J Med. 2022 Nov 10;387(19):1735-1746. doi: 10.1056/NEJMoa2206734. Epub 2022 Oct 10. PubMed PMID: 36214599; PubMed Central PMCID: PMC9710426.
   b. Johnson M, Pillarisetti A, Piedrahita R, Balakrishnan K, Peel JL, Steenland K, Underhill LJ, Rosa G, Kirby MA, **Díaz-Artiga A**, McCracken Jet al. Exposure Contrasts of Pregnant Women during the Household Air Pollution Intervention Network Randomized Controlled Trial. Environ Health Perspect. 2022 Sep;130(9):97005. doi: 10.1289/EHP10295. Epub 2022 Sep 16. PubMed PMID: 36112539; PubMed Central PMCID: PMC9480977
   c. Quinn AK, Williams K, Thompson LM, Rosa G, **Díaz-Artiga A**, Thangavel G, Balakrishnan K, Miranda JJ, Rosenthal JP, Clasen TF, Harvey SA Compensating control participants when the intervention is of significant value: experience in Guatemala, India, Peru and Rwanda.BMJ Glob Health. 2019 Aug 21;4(4):e001567. doi: 10.1136/bmjgh-2019-001567. eCollection 2019.PMID: 31543990

3. Field Epidemiology Training Program in Central America give the unique opportunity to public health officers in the Ministries of Health in the Region improving the quality of surveillance and the timeliness to detect outbreaks and contain epidemics. I was able to contribute with the training and mentoring of these officers and help them to design their studies and interventions. These programs gave the opportunity to interact with high level authorities and important stakeholders such as PAHO delegates in the region
   a. Denise A. Traicoff, et al. Strong and Flexible: Developing a Three-Tiered Curriculum for the Regional Central America Field Epidemiology Training Program. Pedagogy in Health Promotion, March 4, 2015. DOI: 10.1177/2373379915572808

Complete List of Published Work in My Bibliography:
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