

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors.
 Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Buxó-Martínez, Carmen J.		POSITION TITLE Assistant Professor	
eRA COMMONS USER NAME (credential, e.g., agency login)			
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, Río Piedras	BS	6/2000	General Sciences
School of Public Health, University of Puerto Rico	MPH	7/2002	Epidemiology
School of Public Health, University of Puerto Rico	DrPH	7/2009	Environmental Health
School of Health Professions and School of Medicine, University of Puerto Rico	MSc	6/2012	Clinical Research

A. Personal Statement

I have worked with the NYU College of Dentistry research team on oral cancer investigations for eight years, while at the UPR School of Dental Medicine’s Research Center. My knowledge of the people and operations at the university, and my working relationships makes me the ideal site study consultant or project director for the proposed study. Additionally, I will assist in the data collection and be exposed to oral health research with this project at an early point in my career development. This exposure will assist me in the path to become an independent investigator focusing on oral and community health.

B. Positions and Honors

Positions and Employment

- 2001-2002 Research Assistant, Cancer Research for the Vieques Cancer Research Center, University of Puerto Rico Medical Sciences Campus, San Juan, PR
- 2002 Research Assistant, Epidemiologic study of the health status of patients with epilepsy that attended PROCEP, University of Puerto Rico Medical Sciences Campus
- 2003-2008 Mentor/Teacher, High School and Undergraduate Research Mentorship Program and graduate student research support, University of Puerto Rico School of Dental Medicine Research Center
- 2003-2008 Research Coordinator, Oral epidemiologic study for the risk factors of oral epithelial dysplasia in Puerto Rico, University of Puerto Rico School of Dental Medicine Research Center and New York University College of Dentistry.
- 2009-2010 Adjunct Professor, University of Puerto Rico School of Health Professions and Graduate School of Public Health.
- 2010-2011 Assistant Professor, University of Puerto Rico School of Dental Medicine and Graduate School of Public Health.

Other Experience and Professional Memberships

- 1995-Present Member of BBB Biological Honor Society
- 1998-2000 Vice-President of BBB Biological Honor Society, University of Puerto Rico Rio Piedras Campus Zeta Gamma Chapter
- 2001-Present Member of American Public Health Association (APHA)

Program Director/Principal Investigator (Last, First, Middle):

2002-2003 Member of American Dental Education Society (ADEA)
2004 Group Leader in the London International Youth Science Forum 2004
2005-Present Member of the International Association for Dental Research (IADR)
2010-Present Member of American Association for Cancer Research (AACR)

Honors

1995 Outstanding student, Resident Commissioner of Puerto Rico
1995-1999 Presidential Scholarship, University of Puerto Rico
2001-2002 Research Scholarship for Graduate Studies, University of Puerto Rico
2004 Judge, Annual Research and Education Forum at University of Puerto Rico Medical Sciences Campus
2004 Team Leader Award, London International Youth Science Forum
2007 Outstanding Graduate Student University of Puerto Rico Medical Sciences Campus Graduate School of Public Health
2008 Research Dissertation Scholarship for Graduate Studies, University of Puerto Rico
2009 Cancer Research Stipend Training Program, University of Puerto Rico-MD Anderson Cancer Center Partners in Cancer Research
2009 Academic Excellence Student Award, UPR Graduate School of Public Health
2010 American Association for Cancer Research (AACR) 2010 Minority-Serving Institution Faculty Scholar in Cancer Research Award, given at the AACR Annual Meeting
2010 NIH Fellowship Scholar (NCRR) for Post-Doctoral Master in Clinical Research, UPR Medical Sciences Campus
2010 Lois Cohen International Award from the Behavioral, Epidemiological and Health Services Research Group, given at the 88th International Association of Dental Research (IADR) General Session and Exhibition

C. Selected Peer-reviewed Publications

1. Sintes, J.L., Elías, A., Stewart, B., Volpe, A.R., Lovett, J., and Buxó, C.J. (2003). Anticaries efficacy of a sodium monofluorophosphate dentifrice containing xylitol in dicalcium phosphate dihydrate. *Puerto Rico Health Sciences Journal*; 22(2):239. (Abstract).
2. Izquierdo JC, García M, Buxo C, and Izquierdo NJ. (2004). Factors leading to the computer vision syndrome: an issue at the contemporary workplace. *Bol Asoc Med PR*, Mar-Apr; 96(2):103-10.
3. Izquierdo JC, García M, Buxo C, and Izquierdo NJ. (2007). Factors leading to the computer vision syndrome: an issue at the contemporary workplace. *Bol Asoc Med PR*, Jan-Mar; 99(1):21-8.
4. Morse, D.E., Eridei, E., Buxó, C., Cuadrado, L., and Berwick, M. A (2007). Comparison of three buccal cell collection strategies. *Oral Oncol* 2:153, (Abstract).
5. Morse, DE, Psoter, WJ, Cuadrado L, Jean YA, Phelan J, Mittal K, Buxó CJ, Cruz GD, Elias A. (2009). A deficit in biopsying potentially premalignant oral lesions in Puerto Rico. *Cancer Detect Prev*. Feb 26, 32:424-430.
6. Morse DE, Velez-Vega CM, Psoter WJ, Velez H, Buxo CJ, Baek LS, Elias A, and Sanchez-Ayendez M (2011). Perspectives of San Juan healthcare practitioners on the detection deficit in oral premalignant and early cancers in Puerto Rico: a qualitative research study. *BMC Public Health*, 11:391 doi:10.1186/1471-2458-11-391.
7. Li L, Psoter WJ, Buxó CJ, Elias A, Cuadrado L and Morse DE (2011). Smoking and drinking in relation to oral potentially malignant disorders in Puerto Rico: a case-control study. *BMC Cancer*, 11:324

D. Research Support

Ongoing Research

R21 DE019766 Psoter (PI) 4/2011-3/2012

NIH/NIDCR

Increasing oral cancer screening by dentists: qualitative research on practitioners "choices"

The goal of this study is to identify methods to change early detection screening practice behaviors of dentists in Puerto Rico, e.g., continuing education (CE) course content, academic detailing, in-take sheets prompting increased suspicion.

Role: Site Project Director

5R25RR017589-07 Estapé/Fronteras (PI) 8/2010-6/2012

NCRR

NIH Master Clinical Research Scholar Project: Oral Clefts in Puerto Rican Children: Genetic Risk Factors and Maternal Exposure

The goal of this translational study is to identify the association between methylenetetrahydrofolate reductase (MTHFR) polymorphism and the risk of oral clefts in Puerto Rican children

Role: PI of NIH Scholar Project

5P20RR020145-05 Ebersole (PI) 1/2010-2/2012

NCRR ARRA

Effects of Oral Health on Adverse Maternal-Fetal Outcomes of Gestational Diabetes

The goal of this study randomized clinical trial is to identify the adverse maternal-fetal outcomes of pregnant women with gestational diabetes receiving or not receiving periodontal health examinations and dental hygiene cleaning

Role: Site Project Director

Completed Research

1 U54 DE 14257-04 Katz (PI) 8/2001-8/2008

NIH/NIDCR

NYU: Oral Cancer RAAHP Center

Project #2 Risk Factors for Oral Epithelial Dysplasia in Puerto Rico

The goal of this study epidemiologic case-control study is to estimate the association between oral epithelial dysplasia and the use of smoking tobacco and alcoholic beverages in Puerto Rico

Role: Research Coordinator