

BIOGRAPHICAL SKETCH

NAME Elias-Boneta, Augusto R.	POSITION TITLE Professor
eRA COMMONS USER NAME (credential, e.g., agency login)	

EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
University of Puerto Rico	BS	1969	Biology
School of Dentistry, University of Puerto Rico	DMD	1973	Dentistry
Indiana University, Indianapolis	MSD	1975	Dental Materials/ Preventive Dentistry

A. Personal Statement.

I am the Assistant Dean of Research at the University of Puerto Rico, School of Dental Medicine with primary responsibilities in administering a multi-staff Research Center and promoting and coordinating research activities for faculty, graduate and dental students. My administrative experience includes serving as the Principal Investigator/Project Director in a successfully completed infrastructure Grant (U24) to address the building of the infrastructure and capacity of the University of Puerto Rico, School of Dental Medicine for the conduct, collaboration, and promotion of research. In addition, I participated as the UPR Co-Director in the New York University Oral Cancer Research for Adolescent and Adult Health Promotion (RAAHP) Center, an NIDCR funded Center, to reduce Oral Health Disparities (U54). At present, I am the Principal Investigator and Project Director of a NCMHHD Endowment Fund to advance the oral health disparities research in Puerto Rico (S21). My past research activities include serving as PI and examiner of the first island-wide study to assess the prevalence of dental caries, fluorosis, and sealants in 12 year olds. I served as a Member of the Council on Dental Therapeutics of the American Dental Association and Member of the National Advisory Council of the National Institute of Dental and Craniofacial Research from 2004 to 2008. My previous experience collaborating with research intensive institutions as well as administrative experiences will assure a successful coordination between the School of Dental Medicine, Cleft Lip and Palate Clinic, and the research team at Montefiore.

B. Positions and Honors.

Positions

1991-1994	Member, Council on Dental Therapeutics, American Dental Association
1991-1992	President, Puerto Rico Dental Association
1995-1996	President, Hispanic Dental Association
1997-2000	Chairman, American College of Dentists, Puerto Rico Chapter
1998-2004	Director, Office of Research, School of Dentistry, University of Puerto Rico
1999-Present	Professor, School of Dentistry, University of Puerto Rico
1999-2010	Editorial Board, Journal of Clinical Dentistry
1999-2000	Member, Consultant Committee, Puerto Rico Health Department, Oral Health
1999-2003	Member, Internal Advisory Committee, Clinical Research Center, Medical Sciences Campus, University of Puerto Rico
2001-2004	Editor, Puerto Rico Dental Association Journal
2001-2008	Member, Internal Advisory Committee, NYU Oral Cancer Research for Adolescent and Adult Health Promotion
2002- 2005	Puerto Rico Dental Society Fluoride Commission, President
2002-2006	Member, Admissions Committee, Master in Clinical Research, School of Health Related Sciences, Medical Sciences Campus, University of Puerto Rico
2003-2004	Committee Member, Puerto Rico Cancer Presidential Task Force
2004-2008	Member, National Advisory Council, National Institute of Dental and Craniofacial Research
2004-Present	Assistant Dean of Research, School of Dentistry, University of Puerto Rico
2004-Present	Member, Board of Directors, University of Puerto Rico Comprehensive Cancer

2005-Present	Center Member, Scientific Advisory Board, Detroit Disparity Center, University of Michigan, Ann Arbor
2007-Present	Associate Editor of the Puerto Rico Health Sciences Journal
2008-Present	Member, Internal Advisory Committee, Extramural Associates Research Development Award

Honors

1969	B.S., Cum Laude
1973	Presidential Scholarship, University of Puerto Rico
1992	Fellow, International College of Dentists
1994	Fellow, American College of Dentists
1998	Award for Services to the Profession and Community - American Dental Association and Colgate-Palmolive
1998	Distinguished Service Award - Hispanic Dental Association
1999	OKU Honorary Fraternity
1999	GlaxoWellcome Research Awards, First Place, Epidemiology and Clinical Division, Category - Experienced Researcher. Principal Investigator.
2002	Distinguished Faculty Award, University of Puerto Rico School of Dentistry,
2003	Outstanding Leadership Award, New York University Oral Cancer Center.
2005	Padre Rufo Award for Outstanding Achievement in Research and Education.
2009	Doctor Honoris Causa, University of Costa Rica

C. Selected peer-reviewed publications (in chronological order).

1. Corpas, L, Villaba, J. López, J., Pedraza, V., Moore, K., and Elías-Boneta, A. "Comparing the Tensile Strength of Brackets Adhered to Laser Etched Enamel Vs. Acid Etched Enamel." *Journal of the American Dental Association*, 1997; 128 (6): 732-737.
2. Cortes, D.F. (Rio de Janeiro); Ekstrand, K.B. (Copenhagen); Elías-Boneta, A.R. (San Juan, PR); Ellwood, R.P. (Manchester). "An in vitro Comparison of the Ability of Fiber-Optic Transillumination Visual Inspection and Radiographs to Detect Occlusal Caries and Evaluate Lesion Depth." *Caries Research*: Vol. 34, No.6, 2000.
3. Saporito, RA; Boneta, AR; Feldman, CA; Cinotti, W; Sintes, J L; Stewart, B; Volpe, AR; Proskin, HM: "Comparative Anticaries Efficacy of Sodium Fluoride and Sodium Monofluorophosphate Dentifrices. A Two-year Caries Clinical Trial on Children in New Jersey and Puerto Rico." *American Journal of Dentistry*, Vol. 13, No. 4, August, 2000.
4. Boneta, AE, et. al. "The Enhanced Anticaries Efficacy of a Sodium Fluoride and Dicalcium Phosphate Dihydrate Dentifrice in a Dual-Chamber tube. A Two Year Caries Clinical Study on Children in the United States of America." *American Journal of Dentistry*, Vol. 14, Special Issue, May, 2001; 13A:18A.
5. Elías-Boneta, A.R., Crespo-Kebler, K., Gierbolini, C.C., Toro-Vizcarrondo C., and Psoter, W. "Dental Caries Prevalence of Twelve Year Olds in Puerto Rico". *Community Dent Health* (2003) 20,171-176.
6. Elías-Boneta, AR., Psoter, W., Elías-Viera, AE, Jiménez, P, Toro, C, "Relationship between dental caries experience (DMFS) and dental fluorosis in 12-year-old Puerto Ricans" *Community Dent Health*, 2006 December; 23 (4): 244-50.
7. Ramos-Gomez, F, Cruz, GD, Watson, MR, Canto, MT, Elias-Boneta, AR, "Latino Oral Health: A research agenda toward eliminating oral health disparities" *Journal American Dental Association*. Vol 136, September, 2005; 1231-1240.
8. Elías-Boneta, AR., Hanke, R., Toro, C., Psoter, W., "The prevalence of pit and fissure sealants in 12 year olds living in Puerto Rico during 1997" *P R Health Sci J*. 2006 June;25 (2):133-6.
9. Pedroza J., DMD, MS; Torrealba, I., DDS, MSD; Elías, A. , DMD, MSD; Psoter, W., DDS, PhD. "Comparison of the Compressive Strength of Three Different Implant Design Systems". *Journal of Oral Implantology* Vol. XXXIII/No. One /2007.
10. Abreu A., DDS, MSD; Loza M., DMD, MS; Elías A., DMD, MSD; Mukhopadhyay S., PhD, and Rueggeberg F., DMD, MS "Effect of Metal Type and Surface Treatment on in Vitro Tensile Strength of Copings Cemented to Minimally Retentive Preparation", *J Prosthet Dent* 2007; 98: 199-207.

11. Gioda A., Hanke G., Elias A., and Jiménez- Velez B. "A pilot study to determine mercury exposure through vapor and bound to PM in a dental school environment" *Toxicol Ind Health* 2007; 23:103-113.
12. Mateu FA, Boneta AE, DeVizio W, Stewart B, Proskin HM. A clinical investigation of the efficacy of two dentifrices for controlling established supragingival plaque and gingivitis. *J Clin Dent.* 2008;19(3):85-94.
13. Elias, A., Cheverez, N., Psoter, W., and Buxó, C, (2008): Community Board: Essential Component of Community Based Research. (Abstract 189329), APHA Annual Conference, San Diego, CA.
14. Abreu A, Loza MA, Elias A, Mukhopadhyay S, Looney S, Rueggeberg FA: Tensile bond strength of an adhesive resin cement to different alloys having various surface treatments. *J Prosthet Dent*, Feb 2009; 101(2): 107-118.
15. Morse DE, Psoter WJ, Cuadrado L, Jean YA, Phelan J, Mittal K, Buxó CJ, Cruz GD, Elias A: A deficit in biopsying potentially premalignant oral lesions in Puerto Rico. *Cancer Detect Prev.* Feb 2009.
16. Hernández-Cott, PL; Elías Boneta, A; Stewart, B; De Vizio, W; Proskin, HM: Clinical Investigation of the Efficacy of a Commercial Mouthrinse Containing 0.05% Cetylpyridinium Chloride in Reducing Dental Plaque. *J Clin Dent*, May 2009, 20(2): 39-44.
17. Toro E, Nascimiento MM, Suarez-Perez E, Burne RA, Elias-Boneta A, Morou-Bermudez E.: *The effect of sucrose on plaque and saliva urease levels in vivo.* Arch Oral Biology. 2010;55(3):249-54.
18. Aguilar ML, Elias A, Vizcarrondo CE, Psoter WJ: Analysis of three-dimensional distortion of two impression materials in the transfer of dental implants. *J Prosthetic Dent*, 2010 April; 103(4):202-9.
19. Elías Boneta, Augusto; Montero Aguilar, Mauricio; Lugo Romeu, Ferdinand; Stewart, Bernal; DeVizio, William; Proskin, Howard M: Comparative Investigation of the Efficacy of Triclosan/Copolymer/Sodium Fluoride and Stannous Fluoride/Sodium Hexametaphosphate/Zinc Lactate Dentifrices for the Control of Established Supragingival Plaque and Gingivitis in a Six-Month Clinical Study. *J Clin Dent* 2010;21(Spec Iss):117-123.
20. Douglas E Morse, Carmen M Vélez Vega, Walter J Psoter, Himilce Vélez, Carmen J Buxó, Linda S Baek, Augusto Elias and Melba Sánchez Ayendez: 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* 26 May 2011,11:391; doi:10.1186/1471-2458-11-391.
21. M. Montero-Aguilar, F.M. Torres, A.R. Elías-Boneta, B. Dye and K.J. Joshipura: High levels of periodontal disease among the older adult population in San Juan, Puerto Rico. *Community Dent Health* 2746; Accepted for publication 25 July 2011.
22. Morou, E, Bilings, R, Burne, R, and Elías, A: Caries Risk Pyramid: A Practical Biological Approach. PR Health Sci J 11-31(628); Accepted for publication 1 September 2011.

D. Research Support.

Ongoing

S21 MDO01830-01 Carlo (PI)

9/01/2005 – 8/31/2008

NCMHD Endowment Program for Increasing Training and Research Capacity

The goal of this project is to advance (via stable endowment funding) the health disparities research infrastructure and capacity of the University of Puerto Rico School of Dentistry and Graduate School of Public Health for the conduct, collaboration, and promotion of scientifically meritorious Research on Health Disparities, while developing the "pipeline" of new minority researchers.

Role: Principal Investigator/Project Director

Elias (PI)

10/09/2008 – 10/30/2011

The Efficacy of Colgate Total Advanced Sensitive Toothpaste on Dentinal Hypersensitivity: An Eight Week Study

The goal of this study is to investigate the efficacy of Colgate Total Advanced Sensitive Toothpaste as compared to Colgate Total Clean Mint Toothpaste on dentinal hypersensitivity, and the observation of safety variable.

R21 Psoter (PI)

10/01/2010 – 9/30/2012

NIH

Increasing oral cancer screening by dentists: qualitative research on practitioners.

The proposed project seeks to gain insight into the knowledge attitudes, and beliefs of dentists in Puerto Rico as they relate to culturally/professionally acceptable methods, technologies and activities that can be implemented and disseminated to dentists in order to increase the frequency and quality of oral cancer screenings.

Role: Co-Investigator/Project Director

Completed

U54 DE14257-04 Katz (PI) 8/01/2001 – 7/31/2008

NYU Oral Cancer RAAHP* Center (Research for Adolescent & Adult Health Promotion)

The goal of this Center for Research is to reduce oral health disparities focused on epidemiologic and health promotion research to reduce oral cancer by altering patient and professional behaviors that will lead to either earlier detection or reduction in risk behaviors.

Role: Co-Investigator, Administrative Core in Puerto Rico

U24 DE15003-0 Elias (PI) 10/01/2002 – 9/30/2008

Research Infrastructure and Capacity building for Minority Dental Institutions to reduce Oral Health Disparities

The goal of this project is to address the building of the infrastructure and capacity of the University of Puerto Rico, School of Dentistry for the conduct, collaboration, and promotion of research. Also, will contribute to reduce oral health disparities with a special emphasis on the disease of dental caries.

Role: Principal Investigator