

Oelisoa Mireille Andriankaja, DDS, PhD

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EDUCATION

University of North Carolina Chapel Hill

Certificate in Clinical Research

06/06-07/08

State University of New York at Buffalo

PhD in Epidemiology and Community Health

01/00-06/04

MS in Epidemiology

08/96-02/99

University of Mahajanga, Madagascar

MS Oral and Dental Public Health

01/94-12/95

DDS

01/88-07/94

AWARDS and HONORS

RCMI Award for Faculty Development in Research program, RCMI
University of Puerto Rico

05/14

Research Supplements Grant to Promote Diversity in Health-Related Research

2010-2012

Third prize poster award at the 29th Annual Buffalo Niagara Dental Meeting

10/06

Saxon Graham Award for Research Dissertation Excellence

05/05

Advanced Training for Leadership and Skills Scholarship (ATLAS)
funded by the United States Agency for International Development (USAID)

1996-1999

RESEARCH AND WORK EXPERIENCE

Associate Professor

11/13- present

Center for Clinical Research and Health Promotion

School of Dental Medicine

University of Puerto Rico

Adjunct Professor

09/08- 11/13

Center for Clinical Research and Health Promotion

School of Dental Medicine

University of Puerto Rico

- Research Investigator/Assistant Professor** 09/10-08/12
 Department of Periodontology
 School of Dental Medicine, Philadelphia
 University of Pennsylvania
- Postdoctoral Fellow** 06/06-07/08
 School of Dentistry, University of North Carolina, Chapel Hill, NC
 Mentors: JD Beck, PhD; S Offenbacher, DDS, MSc, PhD
 Research proposal: “The role of inflammation in the link between type-2 diabetes and periodontal disease”
 Approved IRB/GCRC application: “A pilot study of the role of inflammation in the link between type-2 diabetes and gingivitis development”
- Postdoctoral Trainee** 01/05-06/06
 School of Dental Medicine, State University of New York at Buffalo, NY
 Mentor: F Scannapieco, DDS, PhD
 Conducted research on the topic of “Metabolic syndrome and periodontal disease”
- Research Associate** 06/04-12/04
 School of Public Health and Health Professions, SUNY at Buffalo, NY
 Mentors: R Genco, DDS, PhD; M Trevisan, MD, MS
 Wrote a systematic review on the “Genetic susceptibility to periodontal disease and coronary heart disease”
- Research Assistant** 03/00-05/04
 Women’s Health Institute, SUNY at Buffalo, NY
 PI: J Wactawski-Wende, PhD
 Performed clinical oral examinations to collect oral health data for the “Periodontal Disease and Osteoporosis” study
- Research Assistant** 03/00-05/04
 Center for Preventive Medicine, SUNY at Buffalo, NY
 PI: J Dorn, PhD
 Conducted clinical oral examinations to collect oral health data and performed analyses for the “Periodontal disease and myocardial infarction” study

CLINICAL AND PUBLIC HEALTH EXPERIENCE

- Project Manager** 02/13- present
 San Juan Overweight Adults Longitudinal Study (SOALS)
 Center for Clinical Research and Health Promotion (CCRHP)
 School of Dental Medicine, University of Puerto Rico
- Project Coordinator** 01/09-03/10
 San Juan Overweight Adults Longitudinal Pilot Study (SOAPS)
 Center for Clinical Research and Health Promotion (CCRHP)

School of Dental Medicine, University of Puerto Rico

Project Supervisor 1994-1995

Oral and Dental Public Health Project for School Children in Antananarivo
School of Dental Surgery, University of Mahajanga, Madagascar
Planned research, assessed needs and problems of oral and dental health, administered and evaluated program, supervised and trained 20 instructors

Team Member of National Oral Health Survey 1993-1994

World Health Organization
Supervisor: N Razanamihaja, DDS, MS; PI: PE Petersen, DDS, PhD
Performed dental and oral health examinations, conducted interviews, abstracted patient data from hospital medical records for analyses

Research Assistant 1993-1994

Oral and Dental Public Health Project for School Children in Mahajanga
School of Dental Surgery, University of Mahajanga, Madagascar
Supervisor: N Razanamihaja, DDS, MS
Received training in planning research, assessing needs and problems of oral and dental health, evaluating and administering program

Chirurgien Dentiste 1994-1995

Private dental practice, Antananarivo, Madagascar

TEACHING/MENTORING EXPERIENCE

Graduate and Undergraduate Student Mentor 03/13- present
School of Dental Medicine, UPR

Graduate and Undergraduate Student Mentor 09/08- 03/10
School of Dental Medicine, UPR

Graduate Teaching Assistant 09/08- 11/09
Residency Program, School of Dental Medicine, UPR
Participated in teaching Principles of Epidemiology

Graduate Teaching Assistant 01/00-02/02
School of Public Health and Health Professions, SUNY Buffalo, NY
Assisted in teaching introductory courses in epidemiology and biostatistics
Principles of Epidemiology (EPI 501); C Sempos, course director
Statistical Methods (STAT 119); J Wilkinson, course instructor

INVITED LECTURES AND PRESENTATIONS

Penn Periodontal conference 2013, 2015: (Attending, participating) 06/13, 06/15
University of Pennsylvania, School of Dental Medicine
Philadelphia, PA

- Poster Presentation 04/11
 General Session and Exhibition of the International Association for Dental Research
 San Diego, California
 “Validity of self-reported tooth mobility among Nigerians”
- Poster Presentation 06/11
 Gordon Research Conference, Periodontal Diseases
 Davidson, North Carolina
 “Effect of TNF- α inhibition on gene expression in diabetic rat periodontium model”
- Poster Presentation 04/09
 87th General Session and Exhibition of the International Association for Dental Research,
 Miami, FL
 “Relationship between periodontal pathogens and risk of non-fatal myocardial infarction”
- Poster Presentation 07/08
 86th General Session and Exhibition of the International Association for Dental
 Research, Toronto, Canada
 “The levels of local and systemic proinflammatory mediators in BGI-gingivitis subjects
 with Type-2 diabetes”
- Poster Presentation 03/06
 35th Annual Meeting of the American Association for Dental Research, Orlando, FL
 “The association between metabolic syndrome and periodontal disease”
- Guest Presentation at the Spotlight Session 06/04
 37th Annual Meeting of the Society for Epidemiologic Research
 “The role of cigarette smoking in the association between periodontal disease and risk of
 myocardial infarction”

SERVICES

- Peer review of manuscripts for publication 2006-present
*American Journal of Epidemiology, Circulation, Clinical Biochemistry,
 Journal of Dental Research, Journal Clinical of Periodontology*
- Evaluation of a diarrhea disease prevention project in Sri Lanka (CDC) 03-04/06
 Thotagamawa Tsunami Relief Environmental Health Project
- World Health Organization: Oral and Dental Health National Survey, 1993-1994
 Madagascar

SOCIETY MEMBERSHIPS

- Society for Epidemiological Research 2002-2005

American and International Association for Dental Research	2000-present
New York Academic Sciences	2010-2012
American Public Health Association	1997- 2006

LANGUAGE SKILLS

Read, write, and speak English, French, and Malgache
Basic: Read, write, and speak Spanish

CITIZENSHIP

Malgache, French, US

ABSTRACTS

Joshiपुरa K, **Andriankaja OM**, Otoh EC, Chukwu GA, Akpata ES. Validity of self-reported tooth mobility among Nigerians [Abstract] *J Den Res*. 2011. IADR # 1233.

F. Muñoz-Torres, **O.M. Andriankaja**, C.M. Pérez, K. Joshipura. 2014. Is the Association between Physical Activity and C-reactive protein independent body composition? [Abstract] *Puerto Rico Health Sciences Journal* 33: 6

M Melendez, **OM Andriankaja**, CM Pérez, K Joshipura. 2014. Association of Sleep Duration with Serum Cholesterol in San Juan Overweight/Obese Adults (2011-2013) [Abstract] *Puerto Rico Health Sciences Journal* 33: 73

OM Andriankaja, JJ Jimenez, F Munoz-Torres, CM Perez, JL Vergara, K Joshipura. 2014. Association between Lipid Lowering Agents and Local and Systemic Inflammation. [Abstract] *Diabetes* 74th Scientific Sessions: 2525-PO

F Munoz-Torres, **OM Andriankaja**, C.M. Perez, and K. Joshipura. Cross-sectional Association between Insulin Resistance and Clinical Periodontal Measures. *J. Dental Res*. 2014; IADR: Abstract # 190917.

PUBLICATIONS

Andriankaja OM, Genco R, Dorn J, Dmochowski J, Hovey K, Falkner KL, Scannapieco F, Trevisan M. "The Consistency of the Association Between Different Measurements of Periodontal Disease and Risk of Non-Fatal Myocardial Infarction. *J Periodontol*. 2006; 77(6): 1067-1073.

Andriankaja OM, Genco R, Dorn J, Dmochowski J, Hovey K, Falkner KL, Grossi S, Trevisan M. "Periodontal Disease and Risk of Myocardial Infarction: the Role of Gender and Smoking." *European J. Epidemiol*. 2007; 22 (10):699-705.

Andriankaja OM, Barros SP, Moss K, Panagakos FS, DeVizio W, Beck J, and Offenbacher S. Levels of Serum Interleukin (IL)-6 and Gingival Crevicular Fluid of IL-1 β and Prostaglandin E2 among Non-Smoking Subjects with Gingivitis and Type 2 Diabetes. *J Periodontol*. 2009; 80(2): 307-16.

Andriankaja OM, Sarikonda S, Dunford R, Denardin E. “Association between Metabolic Syndrome and Periodontal disease” *Austr Dent J*. 2010 Sep;55 (3):252-9.

Andriankaja OM, Falkner K, Sarikonda S, Dorn J, Hovey K, Mendoza T, Trevisan M, Genco R. “Relationship between periodontal pathogens and risk of non-fatal myocardial infarction” *Community Dent Oral Epidemiol*. 2011 Apr; 39 (2): 177-85.

Joshiyura K, **Andriankaja OM**, Hu F, Ritchie C. Relative utility of 1-hr OGTT as a measure of abnormal glucose homeostasis. *Diabetes Res Clin Pract*. 2011 Aug; 93 (2): 268-75. Epub 2011 Jul 19.

Bezerra BB, **Andriankaja OM**, Kang J, Pacios S, Bae HJ, et al. A.actinomycetemcomitans-induced periodontal disease promotes systemic and local responses in rat periodontium. *J Clin Periodontol*. 2012 Apr; 39(4):333-41.

Kang J, Bezerra BB, Pacios S, **Andriankaja OM** et al. Aggregatibacter Actinomycetemcomitans Infection Enhances Apoptosis In Vivo Through a Caspase-3 Dependent Mechanism in Experimental Periodontitis. *Infect Immun*. 2012 Mar 26.

Bastos A, Graves DT, Loureiro AP, Rossa JC, Abdalla DS, Faulin TE, Câmara NO, **Andriankaja OM**, Orrico SR. Lipid peroxidation influences the severity of periodontal disease and local inflammatory markers in patients with type 2 diabetes. *JCEM*. 2012 May 7.

Andriankaja OM, Galicia J, Dong G, et al. Gene expression dynamics during diabetic periodontitis. *J Dent Res*. 2012 Dec; 91(12):1160-5.

Pacios S, **Andriankaja OM**, Kang J, Alnammary M, et al. Bacterial Infection Increases Periodontal Bone Loss in Diabetic Rats through Enhanced Apoptosis. *Am J Pathol*. 2013 Oct 7.

OM Andriankaja, K. Joshiyura. 2014. Potential association between prediabetic conditions and gingival and/or periodontal inflammation. *J Diabetes Invest*. 5: 108-14.

OM Andriankaja, JJ Jimenez, F Munoz-Torres, CM Perez, JL Vergara, K Joshiyura. 2015. Association between Lipid Lowering Agents and Local and Systemic Inflammation. *J Clin Periodontol*. 2015. Sep; doi: 10.1111/jcpe.12461.

R Rivera, **OM Andriankaja**, CM Perez, K Joshiyura.2015. Relationship between Periodontal disease and Asthma among overweight/obese adults. *J Allergy Clin Immunol* (Under review).

MONOGRAPH

Graves D, Kang J, **Andriankaja OM**, Wada K. (2011) Animal Models to Study Host- Bacteria Interactions Involved in Periodontitis. In: Periodontal Disease. Front Oral Biol. Basel, Karger

RESEARCH GRANTS AND CONTRACTS

- R01 DE020111 (Joshipura/Perez) 05/10 - 02/16
National Institute of Dental and Craniofacial Research (NIDCR)
“Potential bi-directional association between pre-clinical stage of diabetes and Periodontitis”
Center for Clinical Research and Health Promotion
University of Puerto Rico, School of Dental Medicine
Role: Research Investigator
- Research Supplements to Promote Diversity in Health-Related Research (PA-08-190) 07/10-07/12
National Institute of Dental and Craniofacial Research (NIDCR)
Parent study: “Diabetes-Enhanced Experimental Periodontitis”
R01 DE 017732: Graves, DT
University of Pennsylvania, School of Dental Medicine
Role: Research Investigator

LIST OF REFERENCES

Maurizio Trevisan, MD, MS. Dean and Medical Professor Community Health and Social Medicine. School of Biomedical Education. The Sophie Davis School of Biomedical Education at The City College of New York. 160 Convent Avenue, Harris Hall – Suite 107. New York, New York 10031. Tel: (212) 650-5275 . E-mail: mtrevisan@cccny.cuny.edu.

Steven Offenbacher, DDS, PhD. Distinguished Professor. Department of Periodontology, Koury Oral Health Sciences Building, Room 3501F, CB# 7455. School of Dentistry. University of North Carolina at Chapel Hill. Chapel Hill, NC 27599-7455. Tel: (919) 537-3205
E-mail: offenbas@dentistry.unc.edu.

Robert Genco, DDS, PhD. Vice-provost, SUNY at Buffalo. Distinguished Professor. Baird Research Park. 1576 Sweet Home Road. Suite 103. Amherst, NY 14228.
Tel: (716)-645-5500 x 32. E-mail: rjgenco@buffalo.edu.

Augusto R. Elias-Boneta, DMD, MSD, Professor, Assistant Dean of Research at the University of Puerto Rico, School of Dental Medicine. Office A141E, Medical Sciences Campus. Tel: (787) 765-3379, (787) 758-2525 ext. 1136, 1139. E-mail: augusto.elias@upr.edu.