

BIOGRAPHICAL SKETCH

NAME Evangelia Morou-Bermudez	POSITION TITLE Professor
eRA COMMONS USER NAME (credential, e.g., agency login): emorou	Oral Biology, Department of Surgical Sciences

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 <i>(if applicable)</i>	MM/YY	FIELD OF STUDY
National Kapodistrian University of Athens, Greece	Diploma	1990	Dentistry
Eastman Dental Center, Rochester NY	Certificate	1993	Pediatric Dentistry
Eastman Dental Center, Rochester NY	Certificate	1995	Advanced Education General Dentistry
University of Rochester, Rochester NY	Master of Science	1997	Microbiology and Immunology
University of Rochester, Rochester NY	PhD	1999	Microbiology and Immunology

A. Personal Statement

I am a pediatric dentist with formal training both in basic science and in patient oriented research and I have 17 years of experience conducting molecular and clinical studies related to the role of oral bacteria in dental caries.

B. Positions and Honors

Positions

Assistant Professor, Pediatric Dentistry	University of Rochester, Eastman Dental Center, Rochester NY	08/99-07/00
Attending, Pediatric Dentistry	Strong Memorial Hospital, University of Rochester, Rochester NY	08/99-07/00
Associate Professor	University of Puerto Rico, San Juan PR School of Dental Medicine	08/00-09/05
Chief, Oral Biology Section	University of Puerto Rico, San Juan PR School of Dental Medicine	08/00-09/05
Professor	University of Puerto Rico, San Juan PR School of Dental Medicine	07/06- present
Co-Director of DMD/PhD. Program	University of Puerto Rico School of Dental Medicine/University of Rochester, NY	07/05-present
Internal Advisory Committee Member	Puerto Rico Clinical and Translational Research Consortium	09/10-present

Honors

1. 1998 AADR Rochester Section Michael G. Buonocore Award
2. 1999 American Academy Pediatric Dentistry Foundation Research Award Finalist
3. 2000 AADR Hatton Competition winner/ IADR Hatton Competition Finalist
4. 2000 Uniliver Travel Award for IADRC.
5. 2005-2010 K23 Career Development Award in Patient Oriented Research. NIH/NIDCR
5. 2009: Distinguished Faculty Member in Research, UPR School of Dental Medicine

C. Selected Peer-reviewed Publications related to this proposal

Articles

1. **Morou-Bermudez E***, Elias-Boneta A, Billings RJ, Burne RA, Garcia-Rivas V, Brignoni-Nazario V, and Suarez-Perez E. Urease activity in dental plaque and saliva of children during a three-year period and its relationship with other caries risk factors. Archives of Oral Biology (2011), doi:10.1016/j.archoralbio.2011.04.015

2. Toro E, Nascimento 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 Biol. 2010 Mar;55(3):249-54. Epub 2010 Jan 21. PubMed PMID: 20096398; PubMed Central PMCID: PMC2853032.
3. Shu M, **Morou-Bermudez E***, Suarez-Perez E, Rivera-Miranda C, Browngardt CM, Chen YY, Magnusson I, Burne RA. The relationship between dental caries status and dental plaque urease activity. Oral Microbiol Immunol. 2007 Feb;22(1):61-6. PubMed PMID: 17241172.
4. **Morou-Bermudez E**, Burne RA*. Analysis of urease expression in Actinomyces naeslundii WVU45. Infect Immun. 2000 Dec;68(12):6670-6. PubMed PMID: 11083780; PubMed Central PMCID: PMC97765.
5. Bergeron LJ, **Morou-Bermudez E**, Burne RA*. Characterization of the fructosyltransferase gene of Actinomyces naeslundii WVU45. J Bacteriol. 2000 Jul;182(13):3649-54. PubMed PMID: 10850978; PubMed Central PMCID: PMC94534.
6. **Morou-Bermudez E**, Burne RA*. Genetic and physiologic characterization of urease of Actinomyces naeslundii. Infect Immun. 1999 Feb;67(2):504-12. PubMed PMID: 9916052; PubMed Central PMCID: PMC96348.

Abstracts

1. **Morou-Bermudez E.**, E. Suarez-Perez, RJ Billings, R.A Burne and A. Elias-Boneta: Urease Activity and Caries Development in Children: A prospective Study. Abst #139301, 88th Session of the IADR, Barcelona, Spain, July 2010.
2. **Morou-Bermudez E.**, E. Suarez-Perez, RJ Billings, R.A Burne and A. Elias-Boneta: Association of Urease with Early smooth enamel caries in Children. Abst #1488, 87th Session of the IADR, Miami FL, April 2009.
3. Brignoni-Nazario, V., E. Suarez-Perez, RJ Billings, R.A Burne. A. Elias-Boneta and **E. Morou-Bermudez**: Factors associated with urease activity in young children. Abst #1190, 87th Session of the IADR, Miami FL, April 2009.
4. **Morou-Bermudez E.**, M. Nascimento, E. Suarez-Perez and R. Burne: Alkali- and Acid-producing Bacteria Associated with Caries and Health: Abst #14 86th Session of the IADR, Toronto, Canada, July 2008

D. Other Support

Ongoing Research

1U54RR026139-01A1

Frontera (PI)

NIH/NCRR

Puerto Rico Clinical and Translational Research Consortium

Role: Member, Internal Advisory Committee

T32 DE07202-15

Quivey (PI)

NIH/NIDCR

Role: Co-Investigator, Director of the DMD/PhD program for the UPR site.

5R25RR017589-07

Estepa (PI)

NIH

Post-doctoral Master in Clinical Research

Role: Mentor and Member of Admission's Committee

Completed Research

K23 DE015285-01A1

Morou (PI)

07/01/2005-06/30/2010

NIH/NIDCR

Urease Activity and Dental Caries in Children