

Curriculum Vitae

E-mail - marytere.melendez@upr.edu

EDUCATION

Admitted to Graduate School – August 2010
Ph.D. Degree Level Courses
University of Iowa, College of Public Health,
Department of Biostatistics

Master of Science in Biostatistics
University of Iowa, College of Public Health
Graduation date: May, 2010. **GPA 3.29**

Master of Public Health in Biostatistics

University of Puerto Rico, Medical Sciences Campus
Graduation date: June, 2004. **GPA 3.96**

Transitory Courses in Education to Obtain the
Department of Education Teacher's Certification in Biology,
Secondary School
University of Puerto Rico
1999-2006

Master of Science in Food Science and Technology
University of Puerto Rico, Mayagüez Campus
Graduation date: June, 1998. **GPA 3.75**

Bachelor of Science in Biology
University of Puerto Rico, Río Piedras Campus.
Graduation date: June, 1992. **GPA 3.25**

RELATED COURSES

Statistics Biostatistical Computing, Biostatistical Methods 1 & 2, Biostatistical Methods in Categorical Data, Statistical Methods in Clinical Trials, Analysis of Categorical Data, Survival Data Analysis, Statistical Inference, Non-Parametric Statistical, Inference, Design of Sample Surveys, Regression and Correlation Analysis, Statistical Computing Applied to Public Health, Epidemiological Methodology.

Food Science Food Chemistry, Advanced Food Microbiology, Food Processing I, Food Processing Laboratory, Food Technology, Science and Technology of Fresh Meats, Agricultural Biometrics, Food Analysis, Advanced Tropical Fruits, Research.

Education Social Fundamentals of Education, Evaluation of Learning, Philosophical Fundamentals of Education, Principles of Research, Human Growth and Development I-II, Exceptional Child, Methodology in Teaching Science for the Secondary School, and Teaching Internship in Biology at Secondary School Level.

**CERTIFICATIONS
AND LICENCES**

Navigation License (#41-2006-003)
Issued on October 11, 2006
Department of Natural Resources and National Association of
State Boating Law Administrators

**TRAININGS
AND WORKSHOPS**

Boating Skills and Seamanship Course (40 hours)
U.S. Coast Guard Auxiliary, University of Puerto Rico,
Bayamón Campus, October, 2006

Online Course: *Human Participants Protection Education
for Research Teams*, National Institutes of Health (NIH),
November 8, 2005

Training: *Fundamental Aspects in Counseling to Prevent HIV*,
Division of Education in Health of the Prevention Program
STD/VIH/AIDS of the Central Office for AIDS and STD (OCASET, by
its acronyms in Spanish), March 16-18, 2005

*Educational Training on the Health Insurance Portability and
Accountability Act (HIPAA) of 1996 as Amended, Establishing in the
45 CFR 164 Standards for Privacy of Individually Identifiable Health
Information*, University of Puerto Rico, Medical Sciences Campus,
October 28, 2004

Development of Questionnaire Design System 2.1, 8 hours contact,
NOVA Research Company, December 8 and 17, 2004

SKILLS

Communication skills. Bilingual (Spanish and English), self-starter,
speak in public.

Computer literate. EpiInfo 6, REDCap, Stata, SAS, Microsoft
Windows, Word, Power Point, Excel, and R. PC machines and
compatibles.

FELLOWSHIP

Trainee appointment funded through the ‘Statistics in Microbiology,
Infectious diseases, & Bioinformatics’ pre-doctoral training grant (NIH)
From August, 2008 to August, 2010.

**WORK
EXPERIENCE**

Faculty (Instructor), Dr. Kaumudi Joshipura, Univ of Puerto Rico,
Medical Sciences Campus, Dental Medicine School
Center for Clinical Research and Health Promotion
From August 27, 2013 to present.
(787)758-2525 Ext. 2585

Collaboration in the elaboration of the Statistical
Considerations Section included in the protocol of the
controlled randomized trial titled Pregnancy and Early
Lifestyle improvement study (PEARLS) and data management
of this clinical trial. Quality control and statistical analysis for
PEARLS. Creation of the data acquisition platform and
collaboration in the planification of the controlled randomized
trial titled “Inspiring Better Blood Pressure. Breathing Out
Hypertension: Pilot Study” (INSPIRE).

Biostatistician, Dr. Kaumudi Joshipura, University of Puerto Rico,

Medical Sciences Campus, Dental Medicine School
Center for Clinical Research and Health Promotion
From March 9, 2012 to August 26, 2013.
(787)758-2525 Ext. 2585

Collaboration in the elaboration of the Statistical Considerations Section included in the protocol of the controlled randomized trial titled Pregnancy and Early Lifestyle improvement study (PEARLS) and data management of this clinical trial.

Teaching Assistant, Dr. Emine Bayman. University of Iowa,
College of Public Health, Department of Biostatistics.
Summer 2009; November, 2009 to December 2009.
(319) 584-5016

Grading student homework.

Research Assistant, Dr. Cynthia Pérez. University of Puerto Rico,
Medical Sciences Campus, Graduate School of Public Health.

MBRS-SCORE Program.

From October, 2004 to July, 2008.
(787) 758-2525 Ext. 1470

Collaboration in the population sampling for the study, making contacts, visiting houses, compiling data (interviewing), design databases, entering data, controlling quality of data, data analysis and reporting results to my supervisors. Delivery of laboratory results of Hepatitis C, Hepatitis B, Hepatitis A, Genital Herpes and HIV to the participants and counseling them about sexual transmission diseases.

Research Assistant, Dr. Erick Suárez. University of Puerto Rico,
Medical Sciences Campus, Graduate Assistantship Program.
From August, 2003 to May 2004.
(787) 758-2525 Ext. 1430

Data entry and preparation of tables using Epi Info 6 and Word. Accompanying participants from the radiology room to the cafeteria and then to the Clinical Research Center to take the blood sample, do the measurements and weight them.

Professor, Central University of Bayamón,
Department of Natural Sciences.
(787) 786-3030 Ext. 2226

January, 1998 to May, 1998; January, 1999 to May, 1999;
August, 1999 to December, 1999; August, 2001 to May 2005.

Planning and conducting educational courses of General Microbiology, Fundamentals of Biology, Fundamentals of Science, Genetics, Molecular Biology and their laboratories.

Professor, Sacred Heart University,
Department of Natural Sciences.

(787) 728-1515 Ext. 4283
Summer, 1998; August 1998 to December, 1998;
January, 1999 to May, 1999; Summer 1999;
August, 2000 to December, 2000; Summer, 2001

Planning and conducting educational courses of General
Microbiology and its laboratory.

Science Teacher (General Biology, General Chemistry,
General Physics & Physical Sciences),
Liceo Hispanoamericano,
Bayamón, Puerto Rico.
(787) 785-1475
June, 1999 to May 2001

Write lesson plans, teaching science courses like General
Biology, General Chemistry, General Physics and Physical
Sciences, chairman of the Red Cross Juvenile Local Chapter
and do the academic progress report, meet the parents and
tutoring services.

Professor, Interamerican University of Puerto Rico,
Bayamón Campus. Department of Biology.
(787) 279-1912 Ext. 2119
January, 1998 to May, 1998

Planning and conducting educational courses of Food
Microbiology and its laboratory.

Professor, Interamerican University of Puerto Rico, Arecibo Campus.
Department of Science and Technology.
(787) 878-5475 Ext. 2516
August, 1997 to May, 1998

Planning and conducting educational courses of Basic
Concepts of Biology, Modern Biology II Course & Modern
Biology I Laboratory and their laboratories.

Teaching Assistant, Dr. Inés Sastre, University of Puerto Rico,
Mayagüez Campus. Department of Biology.
From August 1996 to May 1997
(787) 832-4040 Ext. 2405

Planning and conducting of General Biology Laboratory
Courses.

RESEARCH PROJECTS

Community Health Project: “Prevalencia e impacto de condiciones de
salud discapacitantes en la población de Puerto Rico, año 2001”

Thesis: Effect of calcium, wax and packing with shrinkable film
wrap in the “chironja’s” shelf life postharvest

PUBLICATIONS

Colón HM, Pérez CM, **Meléndez M**, Marrero E, Ortiz AP, Suárez E.
The validity of drug use responses in a household survey in Puerto

Rico: comparison of survey responses with urinalysis. *Addict Behav.* 2010 Jul; 35(7):667-72. Epub 2010 Feb 10. PMID: 20223601

Perez CM, Marrero E, **Meléndez M**, Adrovet S, Colón H, Ortiz AP, Soto-Salgado M, Albizu C, Torres E, Suárez E. Seroepidemiology of viral hepatitis, HIV and herpes simplex type 2 in the household population aged 21-64 years in Puerto Rico. *BMC Infectious Diseases* 2010; 10(76). PMID: 20331884

Pérez CM, Marrero E, **Meléndez M**, Adrovet S, Colón H, Albizu C, Torres EA, Ortiz AP, Suárez E. Feasibility of collecting biologic specimens in population-based surveys: experiences from the epidemiology of hepatitis C in the household, adult population of Puerto Rico study. *P R Health Sci J.* 2010 Mar;29(1):18-25. PMID: 20222329

Soto-Salgado M, Suárez E, Ortiz AP, Adrovet S, Marrero E, **Meléndez M**, Colón H, Albizu C, Santos M, Torres E, Pérez C. Knowledge of viral hepatitis among Puerto Rican adults: Implications for prevention. *J Community Health.* 2010; Dec 2. PMID: 21125319

POSTERS AND PRESENTATIONS

Is knowledge about HIV/AIDS adequate among puertorrican adults?
M. Meléndez, MPH, A. Ortiz, PhD, M. Santos, EdD, C. Albizu, MD, E. Torres, MD, H. Colón, PhD, E. Marrero, MPH, S. Adrovet, MPH, S. Santiago, MPH, E. Suárez, PhD, C. Pérez, PhD.
Third Conference of Public Health, Puerto Rico, May, 2007.

Knowledge regarding Hepatitis B virus infection in the adult population of Puerto Rico. S. Santiago, MPH, E. Suárez, PhD, A. Ortiz, PhD, S. Adrovet, MPH, E. Marrero, MPH, M. Meléndez, MPH, C. Albizu, MD, E. Torres, MD, H. Colón, PhD, M. Santos, EdD, C. Pérez, PhD.
Third Conference of Public Health, Puerto Rico, May, 2007.

How much knowledge do puertorricans have about Genital Herpes?
A. Ortiz, PhD, E. Suárez, PhD, M. Santos, EdD, C. Albizu, MD, E. Torres, MD, H. Colón, PhD, E. Marrero, MPH, M. Meléndez, MPH, S. Adrovet, MPH, S. Santiago, MPH, C. Pérez, PhD.
Third Conference of Public Health, Puerto Rico, May, 2007.

Survey methodology of a population-based seroprevalence study of Hepatitis C in Puerto Rico. E. Marrero, MPH, E. Suárez, PhD, M. Meléndez, MPH, S. Adrovet, MPH, S. Santiago, MPH, C. Albizu, MD, E. Torres, MD, H. Colón, PhD, A. Ortiz, PhD, C. Pérez, PhD.
Third Conference of Public Health, Puerto Rico, May, 2007.

Knowledge of Hepatitis A virus infection among non-institutionalized adults in Puerto Rico. S. Adrovet, MPH, M. Meléndez, MPH, A. Ortiz, PhD, S. Santiago, MPH, E. Marrero, MPH, E. Suárez, PhD, C. Albizu, MD, E. Torres, MD, H. Colón, PhD, M. Santos, EdD, C. Pérez, PhD.
Third Conference of Public Health, Puerto Rico, May, 2007.

Inadequate knowledge of Hepatitis C virus in the puertorrican adult population. C. Pérez, PhD, M. Meléndez, MPH, S. Adrovet, MPH, S. Santiago, MPH, E. Marrero, MPH, E. Suárez, PhD, C. Albizu, MD, E. Torres, MD, H. Colón, PhD, M. Santos, EdD, A. Ortiz, PhD
Third Conference of Public Health, Puerto Rico, May, 2007.

Validity of ACASI self-reports of drug use with on-site urine testing in the general population of Puerto Rico 2005-2006. C. Pérez, PhD; H. Colón, PhD; M. Meléndez, MPH; E. Marrero, MPH; S. Adrovet, MPH; A. Ortiz, PhD; C. Albizu, MD; S. Friedman, PhD; V. Colón, PhD; E. Suárez, PhD. American Public Health Association Annual Meeting, Washington D.C., U.S.A. November, 2007

ACHIEVEMENTS

Honors – Master degree of Public Health
Cum Laude - Bachelor degree of Science
Teacher of the year - Liceo Hispanoamericano (February, 2000)

MEMBERSHIPS ACTIVITIES

Member of Biostatistics Student Organization (August 2008)
Member of American Statistical Association (July, 2009)
Member of American Public Health Association (October, 2007)
Counselor teacher of Juvenile Council of American Red Cross at Liceo Hispanoamericano (June, 2000- May, 2001)
Member of Food Science and Technology Student Association (April, 1995- June, 2007)

INTERESTS

Sports: swimming and aquatic games. Reading and listening music.