Félix E. Rivera-Mariani, PhD

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### websites: www.friveram.com: https://github.com/friveramariani ### 2010 – 2013 Johns Hopkins Bloomberg School of Public Health, Baltimore, MD **Postdoctoral Fellow in Environmental Health Sciences (mentors: Patrick Breysse, PhD, Thomas Hartung, PhD, MD) 2004 – 2010 School of Medicine, University of Puerto Rico, San Juan, PR **PhD in Microbiology (mentor: Benjamin Bolaños, PhD) 2001 Southeastern Louisiana University, Hammond, La **BS in Biology, minor in Chemistry; Baseball Athletic Scholarship **Additional Training** 2016 – 2017 Johns Hopkins University (on www.coursera.org ** **Mastering Software Development in R (5-courses series) University of California at San Diego (on www.coursera.org ** **Bioinformatics* Specialization (7-courses series) 2016 Johns Hopkins University (on www.coursera.org ** **Data Science Specialization (7-courses series) ** **Cenomic Data Science Specialization (8-courses series) ** **Executive Data Science** Specialization (6-courses series) Cansultant Canada Science Specialization (6-courses series)		cell : 787-463-6862; email : <u>frivera@ularkin.org</u>
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3	2014 - 2017	Miami-Dade College Miami Fl
Adjunct Professor (biology, Microbiology, biochemistry)	2017 - 2011	
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2012 – 2015 American Journal Experts
Developmental Editor

Publications

- González de Leon J, Gonález Méndez R., Cadilla Vázquez CL, Rivera-Mariani FE, Bolaños-Rosero,
 B. Serological Reactivity and Identification of Immunoglobulin E Binding Proteins of Xerophilic
 Fungus Aspergillus penicilloides Crude Mycelial Mat Extract in Puerto Rican Atopic Subjects. Int
 Arch Allergy Immunol. DOI: 10.1159/000484898.
- Vila-Herester F, Rivera-Mariani FE, Bolanos-Rosero B. Serological reactivity and IgE-binding polypeptides to Ganoderma applanatum Cruse Spore Cytoplasmic Extract in Puerto Rico Subjects. Int Arch Allergy Immunol 2017; 172:139–149.
- Bose S, Rivera-Mariani FE, Chen R, Williams D, Aloe, Belli D, Breysse, PN, Diette G, Hansel N. Domestic exposure to endotoxin and respiratory morbidity in former smokers with COPD. *Indoor Air*. 2016. 26(5): 734-42.
- Vesper S, Choi H, Perzanowski P, Acosta LM, Divjan A, Bolaños-Rosero B, Rivera-Mariani FE, Chew GL. Comparison of mold populations in settled dust and dust mite allergens in mattress dust samples in the Puerto Rico Health Regions. *Int J Environ Health Research*. 2016. 26(2): 198-207.
- **Rivera-Mariani FE**, Vysyaraju K, Negherbon J, Levetin E, Horner WE, Hartung T, Breysse PN. Comparison of the interleukin-1β-inducing potency of allergenic spores from higher fungi (Basidiomycetes) in a cryopreserved human whole blood system. *International Archives of Allergy and Immunology*. 2013. 163 (2): 154-62.
- Rivera-Mariani FE. Cryopreserved human whole blood: a human-based in-vitro immunotoxicological system expanded into environmental health and medical mycology studies.
 Invited Special issue of ATLA. 2013. 41(6): 483-90.
- Hasiwa N, Daneshian M, Bruegger P, Fennrich S, Fleck S, Hochadel A, Hoffman S, Rivera-Mariani FE, Rockel C, Schindler S, Spreitzer I, Stoppelkamp S, Vysyaraju K, Hartung T. Evidence for the detection of non-endotoxin pyrogens (NEPS) by the whole blood monocyte activation test. *ALTEX*, 2013. 30(2): 169-208.
- Rivera-Mariani FE, Mihalic JN, Rule AM, Breysse PN. Immunodetection of airborne (1-3)-β-Dglucan-carrying particles with the Halogen immunoassay in occupational setting. *J Immunol Methods*. 2013. 388: 86-89.
- Rivera-Mariani FE, Matsui E, Breysse PN. Performance of the Halogen Immunoassay to Assess Airborne Mouse Allergen-Containing Particles in a Laboratory Animal Facility. *Journal of Exposure Science and Environmental Epidemiology*. 2012. 24 (1): 3-8.
- **Rivera-Mariani FE** and Bolaños-Rosero B. Allergenicity of airborne basidiospores and ascospores: need for further studies. *Aerobiologia* 2012: 28(2): 83-97.
- Rivera-Mariani FE, Nazario-Jiménez S, López-Malpica F, and Bolaños-Rosero B. Skin Test Reactivity of Allergic Subjects to Basidiomycetes' Crude Extracts in a Tropical Environment. *Medical Mycology*. 2011. 49(8): 887-91.

- Rivera-Mariani FE, Nazario-Jiménez S, López-Malpica F, and Bolaños-Rosero B. Sensitization to Airborne Ascospores, Basidiospores, and Fungal Fragments by Allergic Rhinitis and Asthmatic Subjects in San Juan, Puerto Rico. *International Archives of Allergy and Immunology*. 2011; 155(4): 322-34.
- Quintero E, Rivera-Mariani FE, and Bolaños-Rosero B. Analysis of Environmental Factors and Their Effects on Fungal Spores and Pollen in the Atmosphere of a Tropical Urban Area (San Juan, Puerto Rico). Aerobiologia. 2010; 26(2): 113-124.

Science Teaching Publications

- Rivera-Mariani, FE. RNA-seq Data Analysis Workflow to Evaluate Differential Gene Expression between Fetus and Adult Brains from Publicly-Available Data as a Genomic Data Science Demonstration in an Upper Microbiology Course. Technical Report at Researchgate.com http://dx.doi.org/10.13140/RG.2.2.14868.09604
- Rivera-Mariani, FE. Peer-Evaluations as an Intervention Tool to Identify Students' Misconceptions and Interpretation Errors in the Streak-Plate Method in an Introductory Microbiology Lab Course. 2016. Technical-Report at Researchgate.com. http://dx.doi.org/10.13140/RG.2.1.2693.5921
- Rivera-Mariani FE. Rethinking our Postdoctoral Training. *Postdoctoral Journal*. 2012; 2 (2): 27-29.

Published Abstracts

- Rivera-Mariani FE, Vysyaraju K, Levetin E, Hartung T, Breysse PN. Determination of the Proinflammatory Potential of Spores from Different Basidiomycetes Species with a Human Whole Blood Assay. *J Immunol.* 2012; 188: AB55.13. Poster Presentation. American Association of Immunologists Annual Meeting May 2012. Boston, MA.
- Rivera-Mariani FE, Hartung T, Breysse PN. Evaluation of the Pro-inflammatory Activity of Basidiospores and Spore-bearing Tissue from the Mushroom *Chlorophyllum molybdites* using Human Whole Blood. *J Allergy Clin Immunol*. 2012; 129(2): AB18. Poster Presentation. American Academy of Allergy, Asthma, and Immunology Annual Meeting, March, 2012. Orlando, FL.
- Rivera-Mariani FE, Nazario-Jiménez S, López-Malpica F, and Bolaños-Rosero B. Prevalence of IgE Reactivities by Rhinitis and Asthmatic Patients to Airborne Particulate. *J Allergy Clin Immunol*. 2010; 125(2): AB80. Poster Presentation. American Academy of Allergy, Asthma, and Immunology Annual Meeting, February, 2010. New Orleans, La.

Presented Abstracts

- Rivera-Mariani FE, Levetin E, Hartung T, Breysse PN. Role of spores' surface area and endotoxin
 contamination in the proinflammatory potential of spores from allergenic basidiomycete fungi in a
 cryopreserved human whole blood system. Gordon Research Seminar/Conference Immunology to
 Fungal Infections. January 2013. Galveston, TX.
- Rivera-Mariani FE, Vysyaraju K, Negherbon J, Hartung T, Breysse PN, Hansel N. Assessment of the proinflammatory potential of indoor air particulate matter based on the cytokine release in a cryopreserved human whole blood system. *International Society for Exposure Science* Annual Meeting, October, 2012. Seattle, WA.

- Rivera-Mariani FE, Mihalic JN, Rule AM, Breysse PN. Immunodetection of (1-3)-β-D-glucan with the Halogen Immunoassay. Poster Presentation. *American Industrial Hygiene Association* Annual Meeting, June, 2012. Indianapolis, IN. Best Poster in the Sampling and Laboratory Analysis Session.
- **Rivera-Mariani FE**, Hartung T, Breysse PN. Evaluation of the Cooperative Proinflammatory Effect between Endotoxin and (1-3)-β-D-glucan with the *in-vitro* Pyrogen Test. Poster Presentation. *Society of Toxicology* Annual Meeting March, 2012, San Francisco, CA.
- Rivera-Mariani FE, Matsui E, Breysse PN. Immunodetection of Airborne Particulate Carrying Mouse Allergen. Poster Presentation. *International Society for Exposure Science* Annual Meeting, October, 2011. Baltimore, MD.
- Rivera-Mariani FE, Nazario-Jiménez S, López-Malpica F, and Bolaños-Rosero B. Airborne
 Ascospores and Basidiospores as Potential Allergens for Allergic Respiratory Diseases. Oral
 Presentation. International Association for Aerobiology 9th International Congress on Aerobiology,
 August, 2010. Buenos Aires, Argentina.
- Rivera-Mariani FE, Nazario-Jiménez S, and Bolaños-Rosero B. Prevalence of IgE Reactivities to Airborne Particulate by Asthmatic Subjects. Oral Presentation. *Pan-American Aerobiology* Association Annual Meeting, July, 2009. Kansas City, MO.
- Rivera-Mariani FE, Quintero E, and Bolaños-Rosero B. Fungal Spore in the Atmosphere of San Juan and Caguas: A Comparative Study. Oral presentation. *Pan-American Aerobiology Association* Annual meeting, June, 2007. Penn State University, Stage College, PA.
- Quintero E, Rivera-Mariani FE, and Bolaños-Rosero B. Fungal Spore and Pollen in the Atmosphere
 of San Juan. Poster presentation. *Pan-American Aerobiology Association* Annual Meeting, June
 2007. Penn State University, Stage College, PA.

Research Awards

2016	Teachers in Space, Inc. Design of a CubeSat with a Removable Specimen Collector to Investigate the Potential of Allergenic Fungal Spores to Reach into the Stratosphere. Principal Investigador: (http://www.friveram.com/PRCUbeStars)
2013	Postdoctoral Collaboration - 3R01ES018845-04S1 (PI: Nadia Hansel) Genetic Susceptibility to Asthma and Indoor Air Pollution in Peru
2012	Ethical Consumer Association, London, UK Lush Prize Young Researcher Award, \$20,000.
2011	Johns Hopkins University, Bloomberg School of Public Health David Leslie Swift Fund in Environmental Health Engineering, \$2,000.
2010	International Association for Aerobiology Young Aerobiologist Award

<u>Travel Awards</u> 2013	Immunology of Fungal Infections, Gordon Conference, Galveston, TX Carl Storm Underrepresented Minority Fellowship Travel Award
2012	International Society for Exposure Science, Seattle, WA New Researcher Travel Award
2012	American Academy of Allergy, Asthma and Immunology, Orlando, FL Domestic Fellows-in-Training Travel Award
2011	Federation of American Societies for Experimental Biology, Virginia Beach, VA Minority Access to Research Careers Travel Award
2010	American Academy of Allergy, Asthma and Immunology, New Orleans, LA Fellow-in-Training Travel Award
2010	International Association for Aerobiology Meeting, Buenos Aires, Argentina Latin American Travel Award
2009	Pan American Aerobiology Association, Kansas City, MO Latin American Travel Award
2007	Pan American Aerobiology Association, State College, PA Lanzoni's Student Award
Current Profession	nal Memberships
2012 – Present	Sigma Xi, The Scientific Research Society
2011 - Present	Society of Toxicology
2007 - Present	International Association for Aerobiology
2002 - Present	American Society of Microbiology
Editorial activities	
	Annual Biomedical Research Conference for Minority Students 2017 Annual Meeting (Judge of Posters and Presentations)
2017 – Present	Annual Biomedical Research Conference for Minority Students (Abstract Reviewer)
2015 - Present	Conrad Spirit Innovation Challenge (Proposal Reviewer)

Sigma Xi Student Research Showcase (Abstract Reviewer)

Aerobiologia (Ad Hoc Reviewer)

2013 - Present

2011 - Present

2011 - Present	SACNAS National Conference (Abstract reviewer)
2013	Journal of Postdoctoral Research (Editor)
2012 – 2013	Johns Hopkins Postdoctoral Association (Co-Editor Quarterly Newsletter)
2011 – 2012	Society of Toxicology (Ad Hoc Reviewer, Occupational, Public Health section)

Invited Talks

- University of Puerto Rico Carolina Campus. June 2017. Workshop. Image Analysis in Biological Sciences (from Western blot to Data-Driven Decisions).
- Math and Sciences Specialized High School Thomas Armstrong Toro. Ponce, PR. 2016 and 2017. Workshop. Doing Science: From Start to Finish.
- 9th Annual NIH Career Symposium, Bethesda, Maryland. 2016. Teaching-Intensive Careers.
- Department of Microbiology, School of Medicine, University of Puerto Rico Medical Sciences Campus. San Juan, February 2015. Immunological intervention to evaluate the human health effects of indoor and outdoor biological and non-biological airborne contaminants.
- Department of Biology, University of Puerto Rico Bayamon Campus. Bayamon, PR. March 2015. Immunological intervention to evaluate the human health effects of indoor and outdoor biological and non-biological airborne contaminants.
- Department of Microbiology, College of Medical Sciences, Nova Southeastern University, Davie, FL. August, 2013. A Review of Fungi Relevant to Dentistry.
- National Postdoctoral Association 11th Annual Meeting. Postdoc Diversity: Solution for Faculty Diversity. Co-Presenter with Dr. Jennifer Cohen and Dr. Cara Altimus. Charleston, SC. March 2013.
- Department of Biology of the College of Sciences and Technology, Southeastern Louisiana University, Hammond, LA. October 2012. Allergenicity and proinflammatory potential of uncharacterized airborne fungi.

<u>Courses Taught</u> 2017 – 2018	Spring Term, College of Biomedical Sciences, Larkin University, Miami, FL Medical Biochemistry 2 (MSB502)
	Fall Term, College of Biomedical Sciences, Larkin University, Miami, FL Medical Biochemistry 1 (MSB501)
2017 – 2018	Fall Term, Miami Dade College, Miami, FL General Education Biology (BSC1005, section 1812) Microbiology (MCB2010, section 2001) Microbiology Lab (MCB2010L, sections 1737, 1749)
2016 – 2017	Summer Term, Miami Dade College, Miami, FL

General Education Biology (BSC1005, section 1501)

Microbiology Lab (MCB2010L, section 1419) Microbiology Lab (MCB2010L, section 1441)

Spring Term, Miami Dade College, Miami, FL

General Education Biology (BSC1005, section 1852)

Fall Term, Miami Dade College, Miami, FL

Principles of Microbiology (MCB3023, section 13352) Microbiology Lab (MCB3023L, section 13354)

2015 – 2016

Summer Term, Miami Dade College, Miami, FL

Principles of Biology 2 (BSC2011, section 1247) Microbiology Lab (MCB2010L, section 1732)

Spring Term, School of Medicine, University of Puerto Rico, San Juan, PR Principles of Immunology (invited professor)

Spring Term, Miami Dade College, Miami, FL

General Education Biology (BSC1005, section 6941) Microbiology Lab (MCB2010L, section 8955)

Fall Term, Miami Dade College, Miami, FL

Intro Biochemistry (BCH3023, section 1988)
General Education Biology (BSC1005, section 2514)
Microbiology Lab (MCB2010L, section 1774)
Microbiology Lab (MCB2010L, section 1777)

2014 - 2015

Summer Term, Miami Dade College, Miami, FL

Microbiology Lab (MCB2010L, section 1773) Microbiology Lab (MCB2010L, section 1774) Microbiology Lab (MCB2010L, section 1775)

Spring Term, Miami Dade College, Miami, FL

General Education Biology (BSC1005, section 3369) Microbiology Lab (MCB2010L, section 2230) Microbiology Lab (MCB2010L, section 2231)

Fall Term, Miami Dade College, Miami, FL

Intro Biochemistry (BCH3023, section 2546)
Intro Biochemistry Lab (BCB3023L, section 6164)
Microbiology Lab (MCB2010L, section 2226)
Microbiology Lab (MCB2010L, section 2230)

2013 - 2014

Summer Term, Miami Dade College, Miami, FL

Microbiology Lab (MCB2010L, section 1732) Microbiology Lab (MCB2010L, section 1764)

Microbiology Lab (MCB2010L, section 1766)

Mentoring Experie	<u>nce</u>
2017 - Present	College of Biomedical Sciences, Larkin University
	Respiratory and Immunology Project at Larkin University, 13-students research group https://www.friveram.com/RIPL_Effect/
2014 - Present	Department of Microbiology, School of Medicine, University of Puerto Rico
	Isabelita Martínez (MS Thesis Committee); Frances Vila (MS Thesis Committee)
2014 – 2015	Department of Microbiology, School of Medicine, University of Puerto Rico
	Angélica M. Rivera (Research Initiative for Scientific Enhancement awardee)
2011 – 2013	Johns Hopkins Bloomberg School of Public Health, Baltimore, MD
	Dr. Jesse Negherbon (Dr. Breysse graduate student; NIOSH grant awardee) Kranthi

Leadership Experience

2011 – 2013	Johns Hopkins Postdoctoral Association (Professional Development Committee)
2010 – 2014	National Postdoctoral Association (Resources Development Committee)
2006	Puerto Rico Legislature (<i>Ad Hoc</i> Committee, Law 136 of July 27 th , 2006 – Regional Medical Academic Centers)
2005 – 2009	General Student Council, University of Puerto Rico - Medical Sciences Campus (elected President 2005-2009; Academic Senate 2005-2009)

Vysyaraju (Dr. Hartung's graduate student; earned MS degree)