

**Félix E. Rivera-Mariani, PhD**

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*lab website:* <https://www.riplrt.com>

**Work Experience**

- 2017 – Present      **College of Biomedical Sciences, Larkin University, Miami, FL**  
*Assistant Professor and Academic Coordinator*
- 2014 – 2017      **Miami-Dade College, Miami, FL**  
*Adjunct Professor* (Biology, Microbiology, Biochemistry)
- 2013 – Present      **Consultant**  
Aerobiology, Immunology, Computational Biological/Non-Biological Data Analysis
- 2012 – 2015      **American Journal Experts**  
Developmental Editor
- 2010 – 2013      **Johns Hopkins Bloomberg School of Public Health, Baltimore, MD**  
Postdoctoral Fellow (NIH T32 Training Program)

**Education**

- 2010 – 2013      **Johns Hopkins Bloomberg School of Public Health, Baltimore, MD**  
*Postdoctoral Fellow* in Environmental Health Sciences  
(mentors: Patrick Breyse, PhD, Thomas Hartung, PhD, MD)
- 2004 – 2010      **School of Medicine, University of Puerto Rico, San Juan, PR**  
*PhD in Microbiology* (mentor: Benjamín 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](http://www.coursera.org))
- *Mastering Software Development in R* (5-courses series)
- University of California at San Diego** (on [www.coursera.org](http://www.coursera.org))
- *Bioinformatics* Specialization (7-courses series)
- 2016      **Johns Hopkins University** (on [www.coursera.org](http://www.coursera.org))
- *Data Science Specialization* (10-courses series)
  - *Genomic Data Science* Specialization (8-courses series)
  - *Executive Data Science* Specialization (5-courses series)
- Icahn School of Medicine at Mount Sinai** (on [www.coursera.org](http://www.coursera.org))
- *System Biology and Biotechnology* Specialization (6-courses series)
- 2015 – 2016      **Johns Hopkins School of Public Health** (on [www.coursera.org](http://www.coursera.org))
- *Statistical Reasoning for Public Health I: Estimation, Interference, Interpretation*

- *Statistical Reasoning* for Public Health II: Regression Models

2013 – 2014

**American Society for Microbiology, Washington, DC**

- *Science Teaching Fellowship*

## **Publications**

- Rivera-Mariani FE, Almaguer M, Jesus Aira M, Bolaños-Rosero B. Comparison of atmospheric fungal spore concentrations between two main cities in the Caribbean basin. *Puerto Rico Health Sciences Journal*. **Submitted**.
- Srouf HH, Baguley JK, Bellinger SV, Stateman AJ, Rivera-Mariani FE. Comparing the magnitude of meteorological variables and air pollutants as contributing factors of atopic dermatitis symptoms. *J Allergy Clin Immunol*. 2019. 143(S2). AB235.
- Stateman AJ, Srouf HH, Baguley JK, Bellinger SV, **Rivera-Mariani FE**. Comparison between PM2.5 levels on east coast and state of California in relationship to asthma. *J Allergy Clin Immunol*. 2019. 143(S2). AB24.
- Bellinger SV, Stateman AJ, Srouf HH, Baguley JK, **Rivera-Mariani FE**. Evaluating differences in prevalence of food allergies between two geographic regions: Australia and US. *J Allergy Clin Immunol*. 2019. 143(S2). AB268.
- Baguley JK, Bellinger SV, Srouf HH, Stateman AJ, **Rivera-Mariani FE**. Gender difference in dendritic cell population in nasal and oral cavity between allergen and non-allergic subjects. *J Allergy Clin Immunol*. 2019. 143(S2). AB228.
- **Rivera-Mariani FE**, Srouf HH, Baguley JK, Bellinger SV, Stateman AJ, Bolaños-Rosero B. Relationship of serological reactivity to cytoplasmic extracts from spores of *Ganoderma applanatum* and commercial extracts of indoor, mitosporic fungi, and farm animal allergens among Puerto Rican subjects. *J Allergy Clin Immunol*. 2019. 143(S2). AB301
- Gaspar PM, Schreb CA, **Rivera-Mariani FE**. Hydration Status of Assisted Living Memory Care Residents. *J Gerontological Nursing*. 2019. 45(4): 21-29.
- Srouf H, Fomenko R, Baguley J, Bellinger S, Jordan A, Sutton J, Santana M, Marull A, Abdalhuk M, **Rivera-Mariani FE**. Pilot study of publicly available data to evaluate the relationship between forest fires and emergency department visits due to asthma in the state of California [version 2; peer review: 1 approved]. *F1000Research* 2019, 7:1232
- Abdalhuk M, Jordan A, Wagimin R, Stamitoles C, Bellinger S, Baguley J, Srouf H, Fomenko R, Sutton J, Santana M, Marull A, **Rivera-Mariani FE**. Evaluating the Association of Race, Ethnicity, and Food Allergens in the Development of Childhood Asthma: Re-Analysis of Publicly-Available Retrospective Cross-Sectional Cohort Data. *F1000Research*. 10.12688/f1000research.15831.1.
- **Rivera-Mariani FE** and Bolaños-Rosero B. Principal Component Analysis to Evaluate Relationships in Reactivity to Commercial Extracts and Uncharacterized Fungi among Asthmatic and Allergic Rhinitis Subjects. *J Immuno*. 200 (1 Supp, 44.2).

- González de Leon J, González 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*. 2018. 175: 147-159.
- Vila-Herester F, **Rivera-Mariani FE**, Bolanos-Rosero B. Serological reactivity and IgE-binding polypeptides to *Ganoderma applanatum* Crude 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, Breyse, 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.
- 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. Addendum to Evidence for the Detection of non-Endotoxin Pyrogens by the Whole Blood Monocyte Activation Test. *Altex*. 2014. 31 (4): 499.
- 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. Addendum to Evidence for the Detection of non-Endotoxin Pyrogens by the Whole Blood Monocyte Activation Test. *Altex*. 2014. 31 (2): 226.
- 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. Erratum to: Evidence for the Detection of non-Endotoxin pyrogens by the Whole Blood Monocyte activation test. *Altex*. 2013. 30 (3): 352.
- **Rivera-Mariani FE**, Vysyaraju K, Negherbon J, Levetin E, Horner WE, Hartung T, Breyse PN. Comparison of the interleukin-1 $\beta$ -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)- $\beta$ -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**, 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.
- **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**, 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.
- **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.
- **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.
- 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 and Mentoring 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.

## **Presented Abstracts**

- **Rivera-Mariani FE**, Srour HH, Fomenko R, Maestre JP, Kinney K, Godoy-Vitorini F, Bolaños-Rosero B, Cavallin H. Pro-inflammatory potential of indoor dust collected from households in San Juan, PR in the aftermath of Hurricane Maria. Society of Toxicology Annual Meeting & ToxExpo 2019. Baltimore, MD. DOI: [10.7490/f1000research.1116637.1](https://doi.org/10.7490/f1000research.1116637.1)
- **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)- $\beta$ -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)- $\beta$ -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 9<sup>th</sup> 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**

2019 **Collaborator** - HUD 126513356 (PI Kerry Kinney)

*Linking Microbial, SVOC and Pro-Inflammatory Exposures in Homes to Childhood Asthma Severity: A Community Filter Forensics Approach*

*\$700,000*

*Sub-Award Principal Investigator (\$76,931)*

2018 **Collaborator** – 1R21ES029761-01 (PI: Humberto Cavallin)  
Taking a Breath after the Disaster: Homes, Molds and Health in Puerto Rico after Hurricane Maria  
*\$189,480*  
*Sub-Award Principal Investigator (\$10,500)*

2016 **Teachers in Space, Inc.: Principal Investigator**  
Design of a CubeSat with a Removable Specimen Collector to Investigate the Potential of Allergenic Fungal Spores to Reach into the Stratosphere.  
(<http://www.friveram.com/PRCubeStars>)

2013 **Postdoctoral Collaboration** - 3R01ES018845-04S1 (PI: Nadia Hansel)  
Genetic Susceptibility to Asthma and Indoor Air Pollution in Peru  
*\$410,571*

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  
*\$1000*

### **Travel Awards**

2018 **Early Career Faculty Travel Award, Austin, TX**  
American Association of Immunologists

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

### **Conferences and Invited Talks**

- **University of Puerto Rico - Ponce Campus.** Guest Lecture. "The Interphase of Biomedical Sciences and Data Analytics: Which one Goes First?". Sponsored by the University of Puerto Rico - Ponce Campus Research Initiative for Scientific Enhancement. **January 24, 2019.**
- **AAAS Florida Biomedical Career Symposium.** Jupiter, FL (Scripps Institute). Panelist. Science Education Careers. **January 29, 2018.**
- **University of Puerto Rico – Carolina Campus.** Workshop. Image Analysis in Biological Sciences (from Western blot to Data-Driven Decisions). **June 2017.**
- **Math and Sciences Specialized High School Thomas Armstrong Toro. Ponce, PR. 2016 and 2017.** Workshop. "Doing Science: From Start to Finish". **January 2016 and 2017.**
- **9<sup>th</sup> Annual NIH Career Symposium, Bethesda, Maryland.** Panelist. Teaching-Intensive Careers. **May 2016.**
- **Department of Microbiology, School of Medicine, University of Puerto Rico – Medical Sciences Campus. San Juan.** Guest Lecture. Immunological intervention to evaluate the human health effects of indoor and outdoor biological and non-biological airborne contaminants. **February 2015.**
- **Department of Biology, University of Puerto Rico – Bayamon Campus. Bayamon, PR.** Guest Lecture. Immunological intervention to evaluate the human health effects of indoor and outdoor biological and non-biological airborne contaminants. **March 2015.**
- **Department of Microbiology, College of Medical Sciences, Nova Southeastern University, Davie, FL.** Guest Lecture. A Review of Fungi Relevant to Dentistry. **August 2013.**
- **National Postdoctoral Association 11<sup>th</sup> Annual Meeting.** Guest Lecture. 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.** Guest Lecture. Allergenicity and proinflammatory potential of uncharacterized airborne fungi. **October 2012.**

### **Professional Memberships**

2017 – Present      **American Association of University Professors**

2012 – Present      **Sigma Xi, The Scientific Research Society**

2011 – Present	<b>American Association of Immunologists</b>
2011 – Present	<b>Society of Toxicology</b>
2010 – Present	<b>American Association for the Advancement of Science</b>
2009 – Present	<b>American Academy of Allergy, Asthma and Immunology</b>
2002 – Present	<b>American Society for Microbiology</b>

### **Leadership and Committee Work**

2018	<b>American Association for the Advancement of Science</b> Session Proposal Reviewer
2018 - Present	<b>Larkin University</b> Scientific Research Advisory Committee ( <b>Chair</b> ) Pre-Professional Recommendations Committee, College of Biomed. Sci. ( <b>Chair</b> ) Faculty Affairs Committee (Member) Capital Allocation Planning Committee (Member)
2018	Scientific Forum Organizing Committee ( <b>Chair</b> )
2010 – 2014	<b>National Postdoctoral Association</b> Resources Development Committee
2011 – 2013	<b>Johns Hopkins Postdoctoral Association</b> Professional Development Committee
2006	<b>Puerto Rico Legislature</b> ( <i>Ad Hoc</i> Committee, Law 136 of July 27 <sup>th</sup> , 2006 – Regional Medical Academic Centers)
2005 – 2009	<b>University of Puerto Rico – Medical Sciences Campus</b> Academic Senate ( <i>Ex-Officio</i> )
2005 – 2009	<b>University of Puerto Rico – Medical Sciences Campus</b> Student Disciplinary Board
2005 – 2009	<b>University of Puerto Rico – Medical Sciences Campus</b> <i>President</i> , General Student Council

### **Editorial Activities**

2017 – Present	<b>Annals of Agricultural and Environmental Medicine</b> <i>Ad-hoc reviewer</i>
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2017	<b>Annual Biomedical Research Conference for Minority Students 2017</b> <i>Judge of Posters and Presentations</i>
2017 – Present	<b>Annual Biomedical Research Conference for Minority Students</b> <i>Abstract Reviewer</i>
2015 – Present	<b>Conrad Spirit Innovation Challenge</b> <i>Proposal Reviewer</i>
2013 – Present	<b>Sigma Xi Student Research Showcase</b> <i>Abstract Reviewer</i>
2011 – Present	<b>Aerobiologia</b> <i>Ad Hoc Reviewer</i>
2011 – Present	<b>SACNAS National Conference</b> <i>Abstract reviewer</i>
2013	<b>Journal of Postdoctoral Research</b> <i>Editor</i>
2012 – 2013	<b>Johns Hopkins Postdoctoral Association</b> <i>Co-Editor Quarterly Newsletter</i>
2011 – 2012	<b>Society of Toxicology</b> <i>Ad Hoc Reviewer, Occupational, Public Health section</i>

### **Mentoring Experience**

2017 – Present	<b>College of Biomedical Sciences, Larkin University</b> Respiratory and Immunology Project at Larkin (RIPL_Effect Research Team) <ul style="list-style-type: none"> <li>○ Mentor 6 research assistant and graduate students</li> <li>○ <a href="https://www.riplrt.com">https://www.riplrt.com</a></li> <li>○ <a href="https://wiki.riplrt.com">https://wiki.riplrt.com</a></li> </ul>
2018 – Present	<b>Department of Microbiology, School of Medicine, University of Puerto Rico</b> Lorrain Vélez (PhD Thesis Committee)
2015 – 2018	Isabelita Martínez (MS Thesis Committee)
2014 – 2017	Frances Vila (MS Thesis Committee)
2014 – 2015	Angélica M. Rivera (Research Initiative for Scientific Enhancement awardee)
2011 – 2013	<b>Johns Hopkins Bloomberg School of Public Health, Baltimore, MD</b> Dr. Jesse Negherbon (Dr. Breyse graduate student; NIOSH grant awardee) Kranthi Vysyaraju (Dr. Hartung's graduate student; earned MS degree)

### **Courses Taught**

2017 – 2018	<b>College of Biomedical Sciences, Larkin University, Miami, FL</b> <b><u>Summer Term</u></b> <i>Molecular Genetics (MSB520)</i>
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2017 – 2018

**College of Biomedical Sciences, Larkin University, Miami, FL**

**Spring Term**

*Medical Biochemistry 2 (MSB502)*

*Immunology (MSB 511)*

**College of Biomedical Sciences, Larkin University, Miami, FL**

**Fall Term**

*Medical Biochemistry 1 (MSB501)*

2017 – 2018

**Miami Dade College, Miami, FL**

**Fall Term**

*General Education Biology (BSC1005, section 1812)*

*Microbiology (MCB2010, section 2001)*

*Microbiology Lab (MCB2010L, sections 1737, 1749)*

2016 – 2017

**Miami Dade College, Miami, FL**

**Summer Term**

*General Education Biology (BSC1005, section 1501)*

*Microbiology Lab (MCB2010L, section 1419)*

*Microbiology Lab (MCB2010L, section 1441)*

**Spring Term**

*General Education Biology (BSC1005, section 1852)*

**Fall Term**

*Principles of Microbiology (MCB3023, section 13352)*

*Microbiology Lab (MCB3023L, section 13354)*

2015 – 2016

**University of Puerto Rico - School of Medicine, San Juan, PR**

*Principles of Immunology (invited professor)*

**Miami Dade College, Miami, FL**

**Summer Term**

*Principles of Biology 2 (BSC2011, section 1247)*

*Microbiology Lab (MCB2010L, section 1732)*

**Spring Term**

*General Education Biology (BSC1005, section 6941)*

*Microbiology Lab (MCB2010L, section 8955)*

**Fall Term**

*Intro Biochemistry (BCH3023, section 1988)*

*General Education Biology (BSC1005, section 2514)*

*Microbiology Lab (MCB2010L, section 1774)*

*Microbiology Lab (MCB2010L, section 1777)*

2014 – 2015

**Miami Dade College, Miami, FL**

**Summer Term**

*Microbiology Lab (MCB2010L, section 1773)*

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

**Spring Term**

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

**Fall Term**

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

2013 – 2014

**Miami Dade College, Miami, FL**

**Summer Term**

*Microbiology Lab* (MCB2010L, section 1732)  
*Microbiology Lab* (MCB2010L, section 1764)  
*Microbiology Lab* (MCB2010L, section 1766)