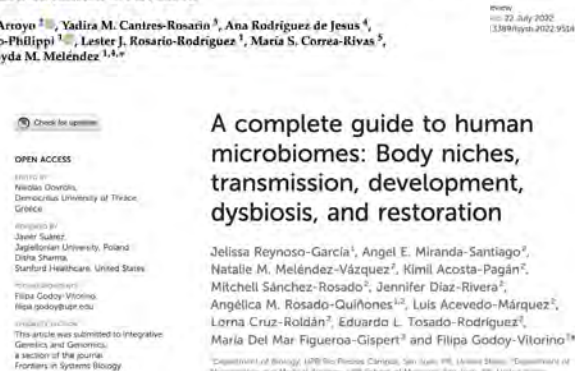
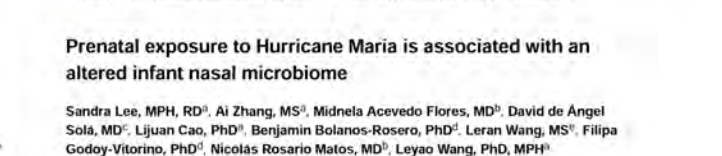
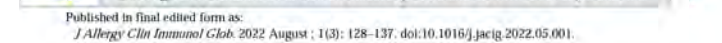
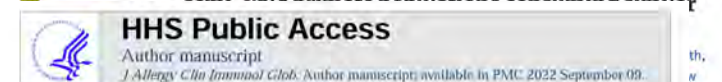
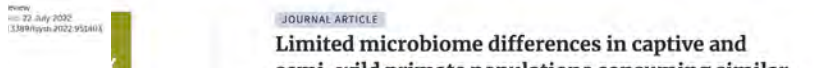
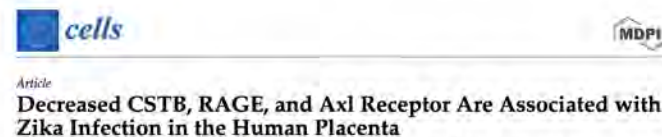


Dept Microbiología y Zoología Médica

8 Peer Reviewed publications

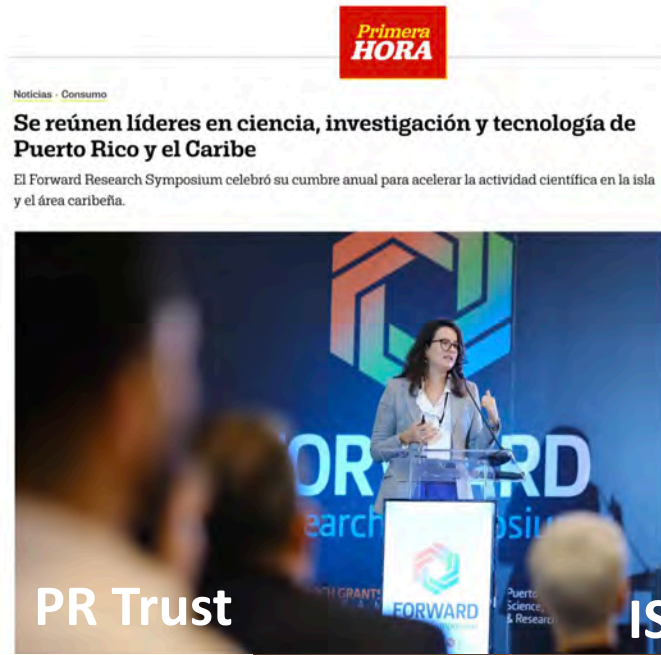
1. Borges-Vélez G, et al **Meléndez LM**. Decreased CSTB, RAGE and Axl receptor is associated with Zika infection in the human placenta. *Cells* 2022, 11, 3627. <https://doi.org/10.3390/cells11223627> (**Dr Loyda Melendez Lab**)
2. Reynoso-García, et al and **Godoy-Vitorino**, A complete guide to human microbiomes: body niches, transmission, development, dysbiosis and restoration, *Front. Syst. Biol.*, 2022 22 July 2022, <https://doi.org/10.3389/fsysb.2022.951403> **All authors are grad students in human microbiome class (**Dr Godoy's Lab**)
3. Nguyen TT, et al **Godoy-Vitorino F** Reshaping the tumor microenvironment with oncolytic viruses, positive regulation of the immune synapse, and blockade of the immunosuppressive oncometabolic circuitry. *Journal for ImmunoTherapy of Cancer* PMID: 35902132 (**Dr Godoy's Lab**)
4. Dickerson, F., Dilmore, A.H., **Godoy-Vitorino**, F., Nguyen, T.T., Paulus, M., Pinto-Tomas, A.A., Moya-Roman, C., Zuniga-Chaves, I., Severance, E.G., Jeste, D.V., 2022. The Microbiome and Mental Health Across the Lifespan, in: *Curr Topics Behav Neurosci*. PMID: 35947353 (**Dr Godoy's Lab**)
5. Sahana Kuthyar, Karli Watson, Shi Huang, Lauren J.N. Brent, Michael Platt, Julie Horvath, Janis Gonzalez, Melween Martínez, **Filipa Godoy-Vitorino**, Limited microbiome differences in captive and semi-wild primate populations consuming similar diets, *FEMS Microbiology Ecology*, 2022 PMID: 36047944 (**Dr Godoy's Lab**)
6. Ortiz Ana P., Acosta-Pagán Kimil T **Godoy-Vitorino Filipa**; *Oral microbiota and periodontitis severity among Hispanic adults*, *Frontiers in Cellular and Infection Microbiology* 12,2022, (**Dr Godoy's Lab**)
7. Sandra Lee, Benjamin Bolanos-Rosero, Leran Wang, Filipa Godoy-Vitorino, Nicolás Rosario Matos, Leyao Wang, **Prenatal exposure to Hurricane Maria is associated with an altered infant nasal microbiome** *J Allergy Clin Immunol Glob*. 2022 August (**Collab Bolaños and Godoy**)
8. Measurement Report: An Exploratory Study of Fluorescence and CCN Activity of Urban Aerosols in San Juan. Puerto Rico Benjamin Bolanos Rosero. Mendeley, DOI: 10.17632/t26dctfk7t.1 (**Bolaños Lab**)



Dept Microbiología y Zoología Medica

22 Conferences, Posters and Seminars

- 5 Conference Presentations -(Local, national, Int) – **Serrano's Lab**
- 3 Conference Presentations -(National) **Dorta's Lab**
- 2 Conference Presentations -(National) **Loyda's Lab**
- 3 Conference Presentations -(Local/National) **Bolaños Lab (1 as keynote speaker)**
- 9 Conference Presentations - (Local, national, Int) **Godoy's lab**
(3 as keynote speaker)



UNIVERSIDAD DE PUERTO RICO- RIO PIEDRAS

SIMPOSIO DE AEROBIOLOGÍA

- Conferencia Magistral: Dr. Benjamín Bolaños, PhD.
- Los estudiantes del curso CIBI 4105 (Secc. 003-004) presentarán sus seminarios finales de investigación

COMPARTE ESTA EXPERIENCIA CIENTÍFICA

Viernes 9 de Diciembre 2022
Auditorio 2- Estudios Generales
8:00 AM- 4:00 PM

ACOMPAÑANOS



Dept Microbiologia y Zoologia Medica

6 new Grant Awards

DORTA's Lab

U54 CA096297 UPR/MDACC IMPACT Dorta (PI) 09/01/2022 – 08/30/2024

Title: Immune and microbial signatures for treatment response in Hispanics with cervical cancer

Amount: \$60,000/year

U54GM133807 Alliance Dorta (PI) 10/03/2022 – 09/30/2022

Title: Interplay between microbial and immune cells in HPV-positive oropharyngeal cancer

Amount: \$50,000

GODOY's Lab

U54 CA096297 UPR/MDACC IMPACT GODOY(PI) 09/01/2022 – 08/30/2024

Title: The gut microbiome as a therapeutic strategy for modulating the efficacy of viroimmunotherapy against malignant glioma

Amount: \$120,000/year

2U54MD007600-36 8538 RCMI GODOY(PI) 9/20/2022 – 5/31/23

Title: The Microbiome as a risk factor for hr-HPV persistence and Cervical Cancer

Amount:\$319,086

1R21ES034191-01 NIH-NIEHS SIERRA D/GODOY-VITORINO (MPI) 09/01/2022-09/ -08/ 2024

Title: Effects of environmental contaminants on anxiety-like and fear behaviors, and gut microbiota in rodents

Amount:\$409,750

BOLANOS Lab Abarca Better Community Health. \$10,000

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SPECIAL ACTIVITIES AND HONORS

Bolaños Lab:

- AAAAI International Aerobiology Course Asunción Paraguay. Aug 28, 2022
- TOTAAL App will report the Caguas station in addition to the San Juan. With the support of the Abarca programmers volunteer work
- Formal collaboration with Caguas City Major and SANOS for the transport of the slide of the Caguas station.

Serrano's Lab:

- Expert International Evaluator; PhD Program in Salud y Desarrollo en los Trópicos, U de Salamanca, España
- Ad hoc Reviewer for PRHSJ, ASM Spectrum

Godoy's Lab:

- Godoy appointed Honorary Fellow of Applied Microbiology International / Society for Applied Microbiology (UK) <https://sfam.org.uk/>
- NIH STUDY SECTION: Center for Scientific Review Special Emphasis Panel PAR21-326 Modern Equipment for Shared-use Biomedical Research Facilities: Advancing Research-Related Operations R24
- Editorial Board member Microbes and Infection (IF 9.5)
- Invited co-author of Human Microbiome chapter in Mandell, Douglas, and Bennett's Principles and Practice of Infectious Diseases, 10th edition
- Invited member Sigma Xi



Applied
Microbiology
International



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Student Achievements

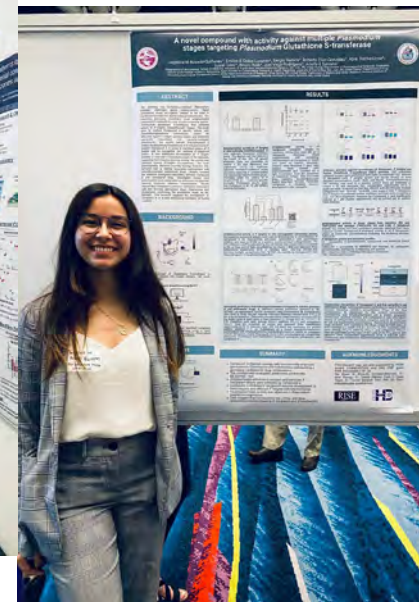
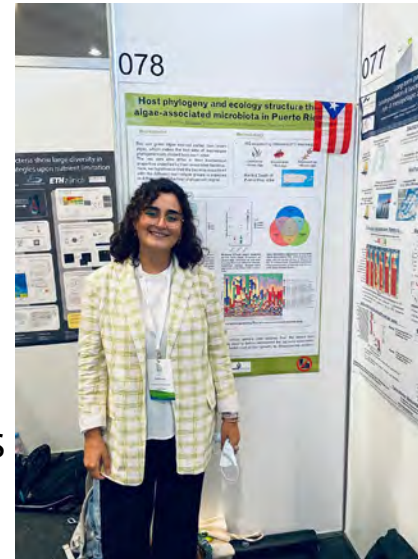
- 2022 **Travel Award** International Society for Microbial Ecology Lausanne Switzerland to Eduardo Tosado
- 2022 Eduardo Tosado **2nd place Graduate Poster** Competition, American Association for the Advancement of Sciences (AAAS) Caribbean Division
- 2022 Elif Kardas received the **Mitel Award** for her poster “Life history traits, in addition to Social Behaviour, influence gut microbiota of bees in Puerto Rico”, oct 2022 Forward Research Symposium
- Angelica Rosado (Serrano’s Lab)
- Natalie Melendez (Godoy’s Lab) – many presentations including oral conferences as invited speaker!!!
- Elif Kardas (Godoy’s Lab)



Eduardo Tosado 2nd place Graduate Poster AAAS
ISME Lausanne Travel Award



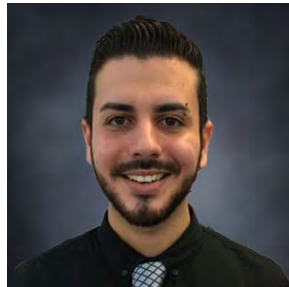
Elif Kardas Mitel Award



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Student publications jul-dec 2022

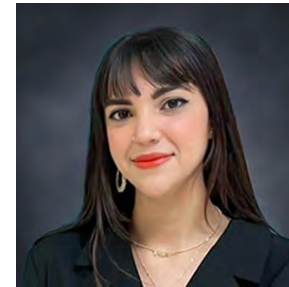
Several students!



Article

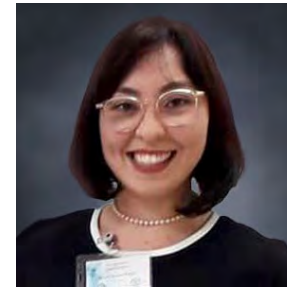
Decreased CSTB, RAGE, and Axl Receptor Are Associated with Zika Infection in the Human Placenta

Gabriel Borges-Vélez¹, Juan A. Arroyo², Yadira M. Cantres-Rosario³, Ana Rodriguez de Jesus⁴, Abiel Roche-Lima⁴, Julio Rosado-Philippi¹, Lester J. Rosario-Rodríguez¹, María S. Correa-Rivas⁵, Maribel Campos-Rivera⁶ and Loyda M. Meléndez^{1,4,*}



Article

Infection order outweighs the role of CD4⁺ T cells in tertiary flavivirus exposure



Original Research
14 November 2022
10.3389/fmicb.2022.96119

Check for updates

OPEN ACCESS

EDITED BY
Daniel Beltrami,
University of Copenhagen, Denmark

REVIEWED BY
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Istanbul Kültür University, Turkey
Muzafir Vilmat,
Bilkent University, Turkey

*CORRESPONDENCE
Filipa Godoy-Vitorino
filipa.godoy@upr.edu

Oral microbiota and periodontitis severity among Hispanic adults

Ana P. Ortiz^{1,2}, Kirmil T. Acosta-Pagán¹, Carla Oramas-Sepúlveda¹, Maira A. Castañeda-Avila¹, Brayan Vilanova-Cuevas¹, Jeslie M. Ramos-Cartagena¹, José A. Vivaldi³, Josué Pérez-Santiago², Cynthia M. Pérez² and Filipa Godoy-Vitorino^{2*}



Review
22 July 2022
10.3389/fmicb.2022.951401

Check for updates

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EDITED BY
Nikolaos Dovesis,
Democritus University of Thrace,
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REVIEWED BY
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Jagiellonian University, Poland
Disha Sharma,
Stanford Healthcare, United States

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filipa.godoy@upr.edu

INTRODUCTION
This article was submitted to Integrative
Genetics and Genomics,
a section of the journal
Frontiers in Systems Biology

A complete guide to human microbiomes: Body niches, transmission, development, dysbiosis, and restoration

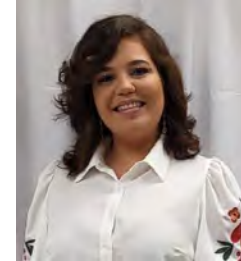
Jelissa Reynoso-García¹, Angel E. Miranda-Santiago², Natalie M. Meléndez-Vázquez², Kirmil Acosta-Pagán², Mitchell Sánchez-Rosado², Jennifer Díaz-Rivera², Angélica M. Rosado-Quiñones^{1,2}, Luis Acevedo-Márquez², Lorna Cruz-Roldán², Eduardo L. Tosado-Rodríguez², María Del Mar Figueroa-Gispert² and Filipa Godoy-Vitorino^{2,*}

¹Department of Biology, UPR Río Piedras Campus, San Juan, PR, United States; ²Department of Microbiology and Wildlife Zoology, UPR School of Medicine, San Juan, PR, United States

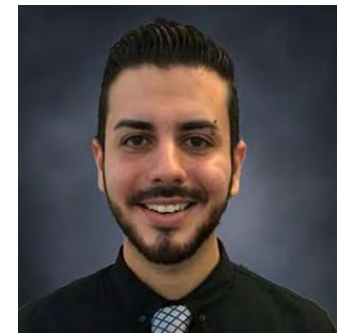
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Thesis proposal defense

- Maria del Mar Figueroa Gispert (Espino/Godoy)
- Jennifer Diaz (Dorta/Godoy)
- Michael Gonzalez (Dorta)



Dissertation Defense: Dr. Gabriel Borges



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Congratulations to Jennifer Díaz!
accepted as 2023 *Janssen Scholar of Oncology*
Diversity Engagement Program



The program provides mentorship from senior industry leaders to develop scientific skills inside and outside an industry setting

Mentor: **Stephanie M. Dorta Estremera, Ph.D.**

Co-Mentor: **Filipa Godoy**

Microbiology and Medical Zoology Department – UPR MSC

Cancer Biology - CCCUPR



CENTRO COMPRENSIVO DE
CÁNCER
UNIVERSIDAD DE PUERTO RICO



Student Achievements

- Participation in ISME18 Lausanne, Switzerland
- SACNAS 2022
- Microbial Ecology Course at Casa Pueblo



Halloween party fun!



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GRACIAS STUDENT CHAPTER!!



Martinez' Lab



Dorta Lab



Espino Lab



Sariol Lab



Godoy Lab



Bolaños Lab



BEAUTIFUL WORK Y'ALL!!