**Juliana González-Tobón**

Cornell University **•** Ithaca, NY, USA **•** [jg2279@cornell.edu](mailto:jg2279@cornell.edu)

[linkedin.com/in/julianagonzalezt](http://www.linkedin.com/in/julianagonzaleztobon)obon **•** [orcid.org/0000-0002-5684-4371](https://orcid.org/0000-0002-5684-4371) **•** [twitter.com/epiplantpath](https://twitter.com/EpiPlantPath)

**EDUCATION**

[***Cornell***](https://www.cornell.edu/) ***University -*** Ithaca, NY, USA Summer 2019 - Present

*Ph.D.* in *Plant Pathology and Plant-Microbe Biology (PPPMB)*

**Principal advisor:**Melanie J. Filiatrault, Ph.D.

Committee members: Tory Hendry, Ph.D., Li Li, Ph.D., & Adam Bogdanove, Ph.D.

Relevant courses: The RNA World, Molecular Plant-Microbe Interactions, Diversity and Inclusion in STEM.

***Universidad de los Andes (***[***Uniandes***](https://uniandes.edu.co/)***) -*** Bogotá, Colombia March 2019

*Master of Science in Biological sciences – emphasis in Microbiology*

**Principal advisor:** Giovanna Danies, Ph.D **Co-advisor:**Silvia Restrepo, Ph.D.

Relevant courses: Quantitative Biology, Epigenetics, Advanced Molecular Biology.

***Universidad de los Andes (Uniandes) -*** Bogotá, Colombia October 2017

*Bachelor of Science in Microbiology & Bachelor of Science* in *Biology*

**Co-advisors:**Giovanna Danies, Ph.D and Silvia Restrepo, Ph.D.

Relevant courses: Plant Pathology, Fungal Biology.

***Marymount School -*** *Bogotá, Colombia*  July 2012

*International Baccalaureate - High School*

**RESEARCH EXPERIENCE**

***PPPMB at Cornell University -*** Ithaca, NY, USA Summer 2019 - Present

*Graduate Research Assistant –* [*Filiatrault Lab*](https://twitter.com/filiatraultlab)

* My main project focuses on *Dickeya dadantii*´s chemotaxis and fitness when infecting plant hosts, especially potatoes.
* Additional projects include the diagnosis and characterization of new bacterial diseases in NY state.
* Collaborate with routine activities in the lab and participate in weekly lab meetings.

***Department of Biological Sciences at Uniandes -*** Bogotá, Colombia January 2016 - May 2019

*Undergraduate and graduate researcher -* [*Laboratory of Mycology and Plant Pathology (LAMFU)*](https://www.facebook.com/LamfuLaboratory/)

* Coordinated and performed several research projects on *Phytophthora infestans* published in[*Plant Disease*](https://apsjournals.apsnet.org/doi/full/10.1094/PDIS-10-18-1906-RE) and [*Phytopathology*](https://apsjournals.apsnet.org/doi/full/10.1094/PHYTO-07-21-0280-R).
* Mentored three undergraduate student researchers (Alejandra Rodríguez, Zeena D´Costa and Melissa Regnier).
* Collaborated with routine activities in the lab and participated in weekly lab meetings.

***PPPMB at Cornell University -*** Ithaca, NY, USA Summer 2018

*Summer Intern –* [*Fry Lab*](http://www.plantpath.cornell.edu/Fry/)

* Gained knowledge and experience on lab procedures for the study of *Phytophthora infestans.*
* Was trained by Dr. Fry in the process of preparing and writing research papers.

***PPPMB at Cornell University -*** Ithaca, NY, USA Summer 2017

*Summer Intern –* [*Perry Lab*](http://www.plantpath.cornell.edu/labs/perry/index.html)

* Learned about the molecular and bioinformatic tools the Perry lab developed for the analysis of small RNAs (sRNA) in viruses.
* Participated in one of the projects that was taking place at the laboratory, now published in [*Plant Disease*](https://apsjournals.apsnet.org/doi/abs/10.1094/PDIS-10-20-2191-SC).

**TEACHING, MENTORSHIP, AND PROFESSIONAL EXPERIENCE**

***English Language Support Office (***[***ELSO***](https://knight.as.cornell.edu/block/elso-tutors/)***) at Cornell University -*** Ithaca, NY, USA August 2022 - Present

*Graduate Student Director*

* In addition to my tutoring sessions, I work alongside the ELSO director to help improve the service according to what the graduate students and postdocs need.
* Was selected for the role due to the time I have dedicated to tutoring over these past few years, the response clients have had to my sessions, and the experience I can bring to the position.

***PPPMB at Cornell University -*** Ithaca, NY, USA Spring 2020 – Present

*Mentor to undergraduates in the lab*

* Mentored Alisson Diaz (Cornell ’22) through a project now published [here](https://www.sciencedirect.com/science/article/pii/S0888754323000447).
* Currently mentoring Emma Steiberg (Cornell ´24) through the development of her Honor´s thesis.

***English Language Support Office (ELSO) at Cornell University -*** Ithaca, NY, USA August 2019 - Present

*Writing tutor for graduate students and postdocs*

* Help other graduate students and post-docs who use English as an additional language to improve their writing skills through working on various types of academic products like research papers, cover letters, statements of purpose, oral presentations, and CVs.

***Albert R. Mann Library at Cornell University* –**Ithaca, NY, USASummer & Winter of 2021, 2022, 2023

*Graduate student helper*

* Assist patrons when they stop by the front desk, locate and process books going in or out of the shelves, assist with poster printing, and, in general, support the library´s staff.

***ELSO English Immersion Program for Displaced Afghan Students -*** Ithaca, NY, USA Spring 2022

*Writing tutor for intensive program*

* Help this group of [women displaced from Afghanistan](https://news.cornell.edu/stories/2021/12/afghan-women-scholars-find-safe-haven-cornell) develop their writing skills in English through a three-week intensive program.
* Provided two workshops (one about CVs/Resumes and one on personal statements) to help these students with their applications to become students at U.S. universities.

***PPPMB at Cornell University -*** Ithaca, NY, USA August 2020 – December 2020

*Teaching Assistant for the ¨Biology and Management of Plant Pathogens¨ course*

* Because of the COVID-19 pandemic, we created an accessible and interactive version of the class that took place online.
* I designed two interactive laboratory modules (on bacterial and oomycete diseases). See example [here](https://www.thinglink.com/card/1363516059193180165).
* Attended the course lectures and was responsible for teaching the laboratory session to a small group of the students.

***Maestrik -*** Bogotá, Colombia August 2018 - May 2019

*English tutor for middle-school students*

* Helped middle school students feel more confident when speaking and writing in English, specifically by involving new words and topics so that the students could broaden their vocabulary while constructing logical sentences with good grammar and spelling.

***Department of Biological Sciences at Uniandes -*** Bogotá, Colombia August 2016 - December 2018

*Undergraduate Assistant & Teaching Assistant for the ¨Plant Pathology¨ laboratory course*

* Worked with the main professor to provide the course of a stronger “active” learning component and a blended modality between in-person and online lectures. See the re-designed course [here](https://phytopathedu.weebly.com/?fbclid=IwAR2Qqoi9JNeqbri1ol3u48DD5OsWvGQJ2cGzqzFomv6xLk5lYh1HQDSVyvg).
* Built collaborations with agricultural partners in Colombia’s academy and industry sectors to provide the students with a more “real” perspective of the area via a field trip per semester and constant communication with farmers.
* Planned the course lecture with the main professor, taught the laboratory lectures every week, mentored the students through the design and execution of their research projects and supervised the undergraduate assistant of the course.

***Lycée Français Louis Pasteur -*** Bogotá, Colombia January 2018 - May 2019

*Science tutor for second-grade students*

* Performed several activities with the students on how to design and execute experiments following the scientific method.
* Mentored them through their own scientific project, including its design, experimentation, and communication of results via posters.

***Department of Biological Sciences at Uniandes -*** Bogotá, Colombia January 2018 - May 2018

*Teaching Assistant for the ¨Cellular Biology¨ supporting course*

* Supported the main professor during the weekly lectures while teaching supporting lessons on a biweekly basis. During these, the students asked any questions they had before the midterms and worked through exercises that helped them review course topics.

***Office of the Students´ Dean at Uniandes -*** Bogotá, Colombia August 2015 - May 2017

*Undergraduate Assistant for the ¨Tools for University Life¨ course*

* Supported the psychologist in charge of the course with each session, kept track of each student´s development during their first semester at the University and held monthly meetings with them in order to help out in any way we could.

**PEER-REVIEWED PUBLICATIONS**

Surviving the potato stems: differences in genes required for fitness by *Dickeya dadantii* and *Dickeya dianthicola.* 2024

**González-Tobón, J.,** Helmann, T.C., Stodghill, P. & Filiatrault, M.

[*Phytopathology, First Look.*](https://apsjournals.apsnet.org/doi/abs/10.1094/PHYTO-09-23-0351-KC)

Helper NLRs Nrc2 and Nrc3 act codependently with Prf/Pto and activate MAPK signaling to induce immunity in tomato. 2023

Zhang, N., Gan, J., Carneal, L., **González‐Tobón, J.,** Filiatrault, M., & Martin, G. B.

[*The Plant Journal, 117, 7-22.*](https://onlinelibrary.wiley.com/doi/full/10.1111/tpj.16502)

12th Japan-US Seminar in Plant Pathology Meeting Report*.* 2023

# Sasaki, Y., **González‐Tobón, J.,** Hino, Y., Jin, C., Li, T., Nguyen, T.A.N., Oakley, B. & Stevens, D.

# [*MPMI, 36 (9), 549-553.*](https://apsjournals.apsnet.org/doi/full/10.1094/MPMI-04-23-0041-MR)

# Complete genome sequence resource for *Xanthomonas hortorum* isolated from Greek Oregano. 2023

**González-Tobón, J.,** Helmann, T.C., Daughtrey, M., Stodghill, P.V. & Filiatrault, M. J.

[*Plant Disease, 107, 3259-3263.*](https://apsjournals.apsnet.org/doi/full/10.1094/PDIS-10-22-2399-A)

# Genomic insights into a *Pseudomonas amygdali* isolate from *Hibiscus rosa-sinensis*. 2023

**González-Tobón, J.,** Diaz, A., Helmann, T.C., Karp, M. A., Daughtrey, M., Stodghill, P.V. & Filiatrault, M. J.

[*Genomics, 115 (3), 110600.*](https://www.sciencedirect.com/science/article/pii/S0888754323000447?via%3Dihub)

# Searching for the mechanism that mediates mefenoxam-acquired resistance in *Phytophthora infestans* and how it is regulated. 2021

**González-Tobón, J.**, Childers, R., Rodriguez, A., Fry, W., Myers, K.L., Thompson, J.R., Restrepo, S. & Danies, G.

[*Phytopathology, 112, 1118-1133.*](https://apsjournals.apsnet.org/doi/full/10.1094/PHYTO-07-21-0280-R)

Is The Phenomenon of Mefenoxam-Acquired Resistance in *Phytophthora infestans* Universal? 2020

**González-Tobón, J.**, Childers, R., Olave, C., Regnier, M., Rodríguez-Jaramillo, A., Fry, W., Restrepo, S. & Danies, G.

[*Plant Disease, 104 (1) 211-221.*](https://apsjournals.apsnet.org/doi/abs/10.1094/PDIS-10-18-1906-RE)

Grapevine asteroid mosaic-associated virus is resident and prevalent in wild, non-cultivated grapevine of New York State. 2020

Thompson, J. R., Gomez, A. L., Younas, A., **González-Tobón, J.,** Cha, A., & Perry, K. L.

[*Plant Disease, 105, 758-763.*](https://apsjournals.apsnet.org/doi/abs/10.1094/PDIS-10-20-2191-SC)

# **FELLOWSHIPS AND AWARDS**

***[Bouchet Graduate Honor Society](https://gradschool.cornell.edu/diversity-inclusion/bouchet-honor-society/bouchet-graduate-honor-society-scholars/) – 2024 cohort*** January 25, 2024

Selected along with other 10 graduate students as part of this year’s Cornell cohort and as newly inducted scholars of the society.

***Conference Travel Grant*** August 20-25 2023

From the Cornell University Graduate School to attend the International Congress of Plant Pathology 2023 in Lyon, France ($700 U.S. dollars).

***The*** [***Next Big Idea***](https://x.com/adambogdanove/status/1682118568161288200?s=46&t=CQfkpYbRbIgklLF72XkGcA) ***Competition*** July 20, 2023

At the 2023 IS-MPMI Congress for the best 5-min TED-like talk on the “why” of my research ($ 200 U.S. dollars).

***2022*** [***Best Student Paper***](https://apsjournals.apsnet.org/beststudentpapers2022?) ***Award*** June 2023

[This paper](https://apsjournals.apsnet.org/doi/10.1094/PHYTO-07-21-0280-R) was selected as best paper published in *Phytopathology* during 2022 by a student as first author ($500 U.S. dollars).

***2023*** [***Best Graduate Student Presentation***](https://x.com/oldkayak/status/1634374910087757825?s=46&t=CQfkpYbRbIgklLF72XkGcA) ***Award*** March 8 – 10, 2023

At the 2023 Northeastern APS Annual Meeting to attend Plant Health 2023 in representation of the Northeastern Division of the American Phytopathological Society and do a presentation as one of the speakers of the “*Plant Pathologists of the Future*” session.

***2023 IS-MPMI Shimamoto Travel Award*** July 16 – 20, 2023

To attend the 2023 International Society for Molecular Plant-Microbe Interactions Congress in Providence, RI, USA ($1500 U.S. dollars).

[***NextGen Professors***](https://gradschool.cornell.edu/diversity-inclusion/signature-initiatives/nextgen-professors-program/) ***Program – 2022-2023 cohort*** October 2022 – Present

Selected along with other 30 graduate students from all over the university as part of this year’s cohort.

***Hitoshi Kunoh and Dallice Mills Early Career Travel Award*** August 28 – September 2, 2022

To attend the 12th Japan-US Seminar in Plant Pathology in Cornell University, Ithaca, NY, USA ($325 U.S. dollars).

***Conference Travel Grant*** August 6-10 2022

From the Cornell University Graduate School to attend Plant Health 2022 in Pittsburgh, PA, USA ($300 U.S. dollars).

***Three Minute Thesis (3MT) –*** ***[People’s Choice Award 2022](https://gradschool.cornell.edu/academic-progress/office-of-academic-and-student-affairs/three-minute-thesis/3mt-2022/)*** March 2022

From the Cornell University Graduate School for being the best presentation selected by the audience ($250 U.S. dollars).

***Best Master’s Thesis***  December 2018

From the Department of Biological Sciences at Uniandes for best master´s level thesis on that semester´s symposium.

***Co-investigator in grant - Foundation for the Promotion of Research and Technology*** January 2018

From the Banco de la República de Colombia to fund my master´s research ($42 million Colombian pesos).

[***French-Monar***](https://www.apsnet.org/members/give-awards/foundation/apply/Pages/FrenchMonar.aspx) ***Latin American Award***  January 2018

From the American Phytopathological Society to fund my master´s research ($1000 U.S. dollars).

***Best Undergraduate Thesis***  May 2017

From the Department of Biological Sciences at Uniandes for best undergraduate level thesis on that semester´s symposium.

[***Frank L. Howard***](https://www.apsnet.org/members/give-awards/foundation/apply/Pages/UndergradFellowship.aspx) ***Undergraduate Fellowship*** January 2017

From the American Phytopathological Society to fund my undergraduate research ($1000 U.S. dollars).

**SERVICE, VOLUNTEERING & OUTREACH**

**Various journals** January 2023 - Present

*Volunteer reviewer*

* Got invited to revise manuscripts for journals including the Physiological and Molecular Plant Pathology journal and PLOS ONE.
* This includes providing comments on the manuscripts, both minor and major and suggesting a publication decision to the editor.

**Science communication and academic virtual community (**[**@epiplantpath**](https://www.instagram.com/epiplantpath/?hl=en)**)** January 2021 - Present

*Social media creator*

* Instagram platform with over 12.2K followers where we discuss the following topics: science based in evidence, life in Academia, and challenges and opportunities for women in science.Also present in Twitter and Tiktok.
* My science communication involvement has been covered by different initiatives and media outlets primarily located in Colombia but also in the Dominican Republic, Ecuador, Indonesia, Chile, and the United States. ***Details in the Outreach, Press and media section.***

**Letters to a Pre-Scientist (**[**LPS**](https://prescientist.org/about-us/)**)** September 2020 - Present

*Volunteer participant*

* Pen-pal for middle-school students from underrepresented environments to tell them about science and my path in STEM.

**Plant pathology and Plant-microbe Biology Graduate Student Association (**[**GSA**](https://cals.cornell.edu/school-integrative-plant-science/degrees-programs/msphd-graduate-fields/msphd-field-plant-pathology-plant-microbe-biology/student-life-plant-pathology-plant-microbe-biology)**)** August 2019 – Present

*Former President, Vice President, co-chair and member of various committees*

* Constant participation in and co-chairing of committees including the ones in charge of prospective and new students for the program, the social committee that coordinates events among the community, and the professional development committee that holds activities that benefit the students’ networking and knowledge about the job market.
* Was vice president during the academic year of 2021-2022 and the president during the academic year of 2022-2023. During these years we significantly connected the community that is divided in two campuses (Ithaca and Geneva), served as a bridge between committees, consolidated a strong executive committee that provided support to all committees, and functioned as a bridge between the students and the faculty.

**Skype A** [**Scientist**](https://www.skypeascientist.com/) July 2018 - Present

*Volunteer participant*

* Video meetings with students from diverse backgrounds to talk about science, research, and any question they can think of!

**Women in the Agricultural Sciences (WAGS)** January 2020 - 2022

*Team member – Executive Board*

* Interviewed women scientists and wrote features about their paths to publish in the [WAGS blog](https://www.womeninagscience.org/features).
* Collaborated with articles of diverse topics also for the WAGS blog and produced content for WAGS social media.
* Participated in the decision-making process as well as collaborated with WAGS activities.

**PPPMB Admissions Committee** November 2022

*Committee member*

* Revised and ranked application materials of about 35 students in a 6-day time period.
* Discussed and selected, along with the other members of the committee, the students that merited an interview.

**USDA ARS** April – December 2022

*English to Spanish translator*

* Translated official USDA ARS education material for non-English speaking growers about potato testing for viral diseases.

**Expanding your Horizons (**[**EYH**](https://www.eyh.cornell.edu/)**)** April 9, 2022

*Volunteer buddy*

* Accompanied high school girls invited to Cornell University for a full day of learning and experiencing how doing science looks like.

**APS Online Engagement Task Force** July – November 2021

*Task force member -* [*APS Commons*](https://community.apsnet.org/communities/community-home/digestviewer?tab=digestviewer&CommunityKey=bee7d67c-17ac-4f30-8a91-168c7b025d06)

* Part of a task force created with the purpose of making the idea of an online social platform for APS members a reality.
* Participated in brainstorming meetings, helped with recruitment of other volunteers, and helped kick off the platform.

**CONFERENCE INVOLVEMENT, PRESENTATIONS, AND SEMINARS**

**Poster presentation** August 20 – 25, 2023

“Characterizing environmental sensing mechanisms in *Dickeya dadantii*”.

**González-Tobón, J**., Stodghill, P. & Filiatrault, M. *2023 International Congress of Plant Pathology (ICPP). Lyon, France.*

**Oral presentation** August 12 – 16, 2023

“Characterizing environmental sensing mechanisms in *Dickeya dadantii*”.

**González-Tobón, J**., Stodghill, P. & Filiatrault, M. *Plant Health 2023 – American Phytopathological Society. Denver, CO, USA.*

**Poster presentation** July 16 – 20, 2023

“Transposon-insertion site sequencing reveals the importance of chemotaxis and motility for *Dickeya spp.* in potato stems”.

**González-Tobón, J**., Helmann, T., Stodghill, P. & Filiatrault, M. *2023 International Society for Molecular Plant-Microbe Interactions Congress*

*(IS-MPMI). Providence, RI, USA.*

**Oral presentation**  March 8-10, 2023

“Characterizing environmental sensing mechanisms in *Dickeya dadantii*”.

**González-Tobón, J**., Stodghill, P. & Filiatrault, M. *Northeastern Division Annual Meeting – American Phytopathological Society. Southbury, CT.*

**Oral presentation**  September 20 & 21, 2022

“Unraveling the molecular interactions between *Dickeya* sp. and potato during blackleg infection”.

**González-Tobón, J**., Helmann, T., Stodghill, P., Karp, M.A. & Filiatrault, M. *MPMI 2022 Early Career Showcase. Online.*

**Invited Workshop** September 21, 2022

“Communicating science in social media: it´s not only about the message“.

*Student Conference of Plant Biology, Gregor Mendel Institute, Vienna, Austria.*

**Oral presentation** August 28 – September 2, 2022

**¨**Understanding how *Dickeya* senses the plant environment ¨*.*

**González-Tobón, J**., Helmann, T., Stodghill, P., Karp, M.A. & Filiatrault, M. 12th *Japan-US Seminar in Plant Pathology. Ithaca, NY, USA*.

**Organizer and moderator of panel** August 28 – September 2, 2022

**¨**[Best practices for sharing science](https://vod.video.cornell.edu/media/20220831_Best%20practices%20for%20sharing%20science/1_240bsitm)¨*.*

Moderators: **González-Tobón, J**., Watanabe, Y. & Sasaki, Y. Panelists: Alvarez, M.F., Carter, M., Harris, J., Kamoun, S., Boykin Okalebo, L.,

Takano, Y. & Williams, M. 12th *Japan-US Seminar in Plant Pathology. Ithaca, NY*.

**Session moderator** August 28 – September 2, 2022

5th and 6th Session. *12th Japan-US Seminar in Plant Pathology. Cornell University, Ithaca, NY.*

**Poster** August 28 – September 2, 2022

**¨**Understanding how *Dickeya* senses the plant environment ¨*.*

**González-Tobón, J**., Helmann, T., Stodghill, P., Karp, M.A. & Filiatrault, M. 12th *Japan-US Seminar in Plant Pathology. Ithaca, NY*.

**Organizer and moderator - Idea Café** August 6-10, 2022

**¨**Can you explain your research to your family?¨*.*

Moderators: **González-Tobón, J**. & Carter, M. *Plant Health 2022 – American Phytopathological Society. Pittsburgh, PA*.

**Poster** August 6-10, 2022

**¨**Uncovering genes in *Dickeya sp*. that contribute to growth in potato stems¨*.*

**González-Tobón, J**., Helmann, T., Stodghill, P. & Filiatrault, M. *Plant Health 2022 – American Phytopathological Society. Pittsburgh, PA*.

**Seminar presentation** April 1, 2022

**¨**[What makes potatoes sick?](https://www.youtube.com/watch?v=shf6BoJdgnM)¨ *El Zoominario.*

*University of Wisconsin-Madison, United States. Online.*

**Oral presentation** February 21, 2022

¨Seeking perfection: Managing diseases in cut flower crops.¨

*Empire State Producers Expo 202, United States. Online.*

**Invited talk** December 10, 2021

“Entendiendolas enfermedades del cultivo de papa desde una perspectiva molecular”.

*II Congreso Iberoamericano ACEM-AEBE, Colombia. Online.*

**Invited talk** December 9, 2021

“[Entendiendolas enfermedades del cultivo de papa desde una perspectiva molecular](https://www.youtube.com/watch?app=desktop&v=d1P4b1rjPrQ)”.

*IV Simposio de Biología, Universidad de Pamplona, Colombia. Online.*

**Poster** December 1-2, 2021

**¨**Unraveling the molecular interactions between *Dickeya sp*. and potato during blackleg infection¨*.*

**González-Tobón, J**., Helmann, T., Stodghill, P. & Filiatrault, M. *IS-MPMI eSymposia. Online*.

**Invited talk** August 30, 2021

“Entendiendolas enfermedades del cultivo de papa desde una perspectiva molecular”.

*Fitopatología, Universidad Industrial de Santander, Colombia. Online.*

**Oral presentation** August 2-6, 2021

**¨***In planta* expression and functional characterization of non-coding RNAs involved in detection and response to plant hosts in *D. dadantii.¨*

**González-Tobón, J**. & Filiatrault, M. *Plant Health 2021 – American Phytopathological Society. Online*.

**e-Poster** August 2-6, 2021

**¨**Molecular characterization of a *Pseudomonas* species associated with disease in Hibiscus¨*.*

**González-Tobón, J**., Diaz, A., Daughtrey, M. & Filiatrault, M. *Plant Health 2021 – American Phytopathological Society. Online*.

**e-Poster** August 2-6, 2021

**¨**Teaching plant pathology during a pandemic? A semi-virtual approach for plant pathogenic bacteria labs¨.

**González-Tobón, J**., Cox, K. & Filiatrault, M. *Plant Health 2021 – American Phytopathological Society. Online*.

**Attendee** July 27-28, 2021

*Communicating the Future: Engaging the Public in Basic Science. Science Public Engagement Partnership (SciPep). Online.*

**Attendee** July 16 to 28, 2021

*Phyllosphere Fortnight 2021. International Symposium on Leaf Surface Microbiology. University of California - Davis. Online.*

**Seminar moderator** May 5, 2021

Plant Pathology and Plant-Microbe Biology, Department Seminar, Cornell University.

Presenter: Dr. Renee Rioux, as the graduate students’ invited speaker for the Spring 2021 semester.

**Attendee** March 10-12, 2021

2021 Potomac Division and Northeastern Division Joint Meeting**.** *American Phytopathological Society. Online*.

**Invited talk** February 19, 2021

“[Communicating science: It’s not only about the message](https://www.youtube.com/watch?v=PgJDikutpZ4)”.

*Plant Pathology and Plant-Microbe Biology Seminar, Cornell University, Ithaca, NY.*

**Session moderator** October 6, 2020

4th Session. *2020 Japan-US Early Career Online* [*Symposium*](https://blogs.cornell.edu/12thusjapan/)*.*

**e-Poster co-author** August 10-14, 2020

“Originally mefenoxam-sensitive isolates of *Phytophthora infestans* are able to quickly acquire and lose resistance”.

Regnier, M., **González-Tobón, J**., Cardenas, M., Danies, G., & Restrepo, S. *Plant Health 2020 - American Phytopathological Society. Online*.

**e-Poster** August 10-14, 2020

“Are small non-coding RNAs of *Dickeya dadantii* involved in detection and response to plant hosts?”.

**González-Tobón, J**., Liu, Y, & Filiatrault, M. *Plant Health 2020 - American Phytopathological Society. Online*.

**Poster co-author** August 3-7, 2019

“With what resolution does *Phytophthora infestans* distinguish among substrates?”

Fry, W. E., **González-Tobón, J**.**,** Myers, K. L., & Fei, Z. *Plant Health 2019 - American Phytopathological Society. Cleveland, OH, USA*.

**Oral presentation – Master´s thesis defense** December 4 , 2018

“Searching for the mechanism that mediates the mefenoxam-acquired resistance phenomenon in *Phytophthora infestans* and how it is

regulated”.*Sexto Congreso del Depto. de Ciencias Biológicas, Universidad de los Andes. Bogotá, Colombia*.

**Oral presentation** July 29 - August 3, 2018

“Searching for the mechanism that mediates the mefenoxam-acquired resistance phenomenon in *Phytophthora infestans* and how it is

regulated”. **González-Tobón, J**., Childers, R., Regnier, M., Rodriguez, A., Fry, W.E., Restrepo, S. & Danies, G.*International Congress of Plant*

*Pathology (ICPP)*. Boston, MA, USA.

**Poster co-author** July 29 - August 3, 2018

*“In vitro* and *in planta* assessment of the effect of mefenoxam-acquired resistance on sporulation in isolates of *Phytophthora infestans*”.

Regnier, M., **González-Tobón, J**., Danies, G., & Restrepo, S. *International Congress of Plant Pathology (ICPP)*. Boston, MA, USA.

**Poster** August 5-9, 2017

“Is the phenomenon of acquired resistance in *Phytophthora infestans* universal?”

**González-Tobón, J**.**,** Childers, R., Regnier, M., Mideros, M., Restrepo, S. & Danies, G. *APS Annual Meeting. San Antonio, TX, USA***.**

**Poster co-author** August 5-9, 2017

“Effect of mefenoxam-acquired resistance on sporulation and dry weight in *Phytophthora infestans*”.

Regnier, M., Parra, **González-Tobón, J**., Restrepo, S., & Danies, G. *American Phytopathological Society Annual Meeting. San Antonio, TX, USA*.

**Poster – Undergraduate thesis presentation - Biology** May 31 – June 1, 2017

“Evaluation of small ncRNAs as a possible epigenetic mechanism mediating the hemibiotrophic transition in the life cycle of *Phytophthora*

*infestans”.* **González-Tobón, J**. *Tercer Congreso del Departamento de Ciencias Biológicas, Universidad de los Andes. Bogotá, Colombia*.

**Poster – Undergraduate thesis presentation - Microbiology** December 1-2, 2016

“Is the phenomenon of acquired resistance in *Phytophthora infestans* universal?”

**González-Tobón, J**. *Segundo Congreso del Departamento de Ciencias Biológicas, Universidad de los Andes. Bogotá, Colombia*.

**Poster** July 30 - August 3, 2016

“Assessment of the acquired resistance of originally sensitive isolates of *Phytophthora infestans* to the systemic fungicides fluopicolide and

propamocarb”. **González-Tobón, J**., Chirivi, J., Parra, M., Childers, R., Restrepo, S. & Danies, G. *APS Annual Meeting. Tampa, FL, USA*.

**Oral presentation** May 25, 2016

“Evaluation of small ncRNAs as a possible epigenetic mechanism mediating the hemibiotrophic switch in the life cycle of *Phytophthora infestans*”. **González-Tobón, J**., Forero, L., Danies, G. & Restrepo, S. *Jornada de Investigación en Biología Computacional, Uniandes. Bogotá, Colombia*.

**Poster** May 25, 2016

“Expresión diferencial de genes asociados a mutantes de Hand2 en Danio rerio a partir de microarreglos”.

**González-Tobón, J.,** Forero, L., Aristizábal, S. & Reyes, A. *Jornada de Investigación en Biología Computacional, Uniandes. Bogotá, Colombia.*

**PRESS & MEDIA**

**Overview**

**USA and abroad**

Interviews in communication platforms like [*Al Grano Univision Seattle*](https://www.facebook.com/algranonw/videos/657425148956938), Radio [*Kingston*](https://radiokingston.org/en/broadcast/la-voz-con-mariel-fiori/episodes/kingston-with-covid-19-phase-1b-vaccines-mentoring-vaccines-and-vaping) NY*,* [*Quito’s*](https://fb.watch/3PgOTd-zaf/) (Ecuador) Health Commission, the Dominican

[Podcast](https://open.spotify.com/episode/0fwMmVcceHBhWKqBLMEbsi?si=_-qzDKmNR2S5hWDdbG_zQA&dl_branch=1) Aún Podemos Conversar, APS [Plantopia](https://www.plantopiapodcast.org/29). and others, about my science communication efforts and my path as a scientist.

**Colombia**

Interviews in various Colombian news and communication outlets like [BluRadio](https://www.bluradio.com/salud/cambia-el-adn-cientifica-desmiente-los-mitos-sobre-las-vacunas-contra-el-coronavirus), [CaracolRadio](https://alacarta.caracol.com.co/audio/caracol_radio_hoyporhoy_20210112_110000_120000/), [RED](https://www.youtube.com/watch?v=6rgbjnIrsc0)+, [Semana](https://www.semana.com/nacion/articulo/como-funciona-la-vacuna-contra-la-covid-19-y-otras-respuestas/202147/?utm_medium=Social&utm_campaign=Echobox&utm_source=Twitter#Echobox=1610582553), [RTVC](https://www.facebook.com/RadioNacionalDeColombia/videos/237575674518523/), [TeleSalud](https://www.instagram.com/tv/CMQeKV-F0vI/?igshid=vw57ivtab315), among others,

to talk about these same topics as well as to discuss the challenges faced by scientists, especially women in Academia.

**In detail**

**Interviews in press**

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RTVC. [2021-02-04]. *Las vacunas y la salud humana.* [[Live radio interview and video streaming](https://www.facebook.com/RadioNacionalDeColombia/videos/237575674518523/)].

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Radio Kingston WKNY. [2021-01-27]. *Kingston with COVID-19, Phase 1b Vaccines: Mentoring, Vaccines, and Vaping*. [[Live radio interview](https://radiokingston.org/en/broadcast/la-voz-con-mariel-fiori/episodes/kingston-with-covid-19-phase-1b-vaccines-mentoring-vaccines-and-vaping)].

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Caracol Radio. [2021-01-12]. *Sobre vacunas contra el Covid-19.* [[Live radio interview](https://alacarta.caracol.com.co/audio/caracol_radio_hoyporhoy_20210112_110000_120000/)].

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**Interviews for initiatives**

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Femiciencia - Argentina. [2022-03-08]. *Hacer y comunicar ciencia con mirada feminista*. [[Live interview via streaming](https://www.instagram.com/tv/Ca3L49Bo4W7/?igshid=YmMyMTA2M2Y=)].

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Dra. Daniela Silva. [2021-11-11]. *Retos y experiencias en divulgación en redes sociales*. [[Live interview via streaming](https://www.instagram.com/tv/CWJZuHspc1c/?igshid=YmMyMTA2M2Y=)].

Dra. Lina Peña. [2021-10-06]. *Actualidad sobre Vacunas Covid-19*. [[Live interview via streaming](https://www.instagram.com/tv/CUtRN73DM0V/?igshid=YmMyMTA2M2Y=)].

Inspiring Girls – Colombia. [2021-09-09]. Las plantas también se enferman. [[Live interview via streaming](https://www.instagram.com/tv/CTnv2zyIv3S/?igshid=YmMyMTA2M2Y=)].

Uschi Levy – journalist. [2021-07-31]. Derribando mitos. [[Live interview via streaming](https://www.instagram.com/tv/CSBBc4LoJtK/?igshid=YmMyMTA2M2Y=)].

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Uschi Levy – journalist. [2021-06-27]. Vacunas y Covid 2.0 [[Live interview via streaming](https://www.instagram.com/tv/CQpG8I8pRzh/?igshid=YmMyMTA2M2Y=)].

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Uschi Levy – journalist. [2021-05-02]. Vacunas y Covid. [[Live interview via streaming](https://www.instagram.com/tv/COYynshpMbY/?utm_medium=copy_link)].

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Proyecto Lalun. [2021-04-26,27]. Lunáticas – Juli, la doctora de plantas. [[Live interview via streaming](https://www.instagram.com/tv/COMDZekpAm-/?utm_medium=copy_link)].

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Telesalud Colombia. [2021-03-10]. Conoce la verdad sobre la vacuna contra la COVID-19. [[Live interview via streaming](https://www.instagram.com/tv/CMQeKV-F0vI/?igshid=vw57ivtab315)].

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request].

Marymount School Bogotá. [2021-01-26]. Sobre las vacunas de Covid 19. [Speaker at private online assembly].

Anaerobias. [2020-05-01]. Entrevista con Juliana Gonzalez de Cornell University. [[Live interview via streaming](https://www.instagram.com/tv/B_qAQ-fJ3q-/?hl=es)].

BioAndes – Uniandinos. [2020-11-04]. Bioandes por el mundo. [[Live video streaming](https://www.facebook.com/605624695/posts/10158725834609696/?d=n)].

**Recognitions and spotlights**

Cornell University Graduate School. [2021-03-01]. Student Spotlight. [[Online written spotlight](https://gradschool.cornell.edu/spotlights/student-spotlight-juliana-gonzalez-tobon/)].

Arte y Memoria – Gimnasio Femenino, Colombia. [2021]. Mujeres de la Actualidad – Exploradoras. [[Digital art piece](https://proyectoarteymemor.wixsite.com/misitio/artes)].

Mercadeo Salud. [2021-08-21]. Influenciadores de la salud en época de pandemia. [[Online written profile](https://mercadeosalud.com/influenciadores-de-la-salud-en-epoca-de-pandemia/)].

La Pulla. [2021-02-19]. ¿Será que me vacuno?. [[Mentioned in journalistic video](https://www.youtube.com/watch?v=wkDFCxYJT44)].

Manifiesta Media. [2021-02-11]. 7 científicas colombianas que nos han ayudado a entender y combatir el Coronavirus. [[Online publication](https://www.instagram.com/p/CLJ5YhXAUmd/?igshid=YmMyMTA2M2Y=)].

46 Questions. [2020-05-20]. Juliana Gonzalez-Tobon. [[Online written profile](https://46questions.wordpress.com/2020/05/20/juliana-gonzalez-tobon/)].

Women in Ag Science. [2019-10-10]. Meet Juliana González-Tobón, Plant Pathology Ph.D. student. [[Online written profile](https://www.womeninagscience.org/post/meet-juliana-gonz%C3%A1lez-tob%C3%B3n-plant-pathology-phd-student)].

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**Podcasts**

Conexiones Profundas: más allá de la ciencia. [2024-01-29]. *Juliana González Tobón*. [[Episode](http://open.spotify.com/episode/4PUxgFLTaErhf9eSSbYywL?si=v_FUunZQTkmGKvBGQv3TyQ)].

Plantopia – The Podcast of The American Phytopathological Society (APS). [2022-09-28]. *Small RNAs: From Plant/Microbe Interactions to COVID*

*Vaccines*. [[Episode](https://www.plantopiapodcast.org/29)].

Ser Mujer en la Ciencia. [2021-06-20]. *Ciencia, Vacunas y Divulgación*. [[Episode](https://open.spotify.com/episode/2nscxS2m5wuN8eoDdHAXdi?si=635b3c5e7de04582)].

Aún Podemos Conversar. [2021-01-26]. *Hablemos de vacunas contra el Covid (y contra la desinformación).* [[Episode](https://open.spotify.com/episode/0fwMmVcceHBhWKqBLMEbsi?si=_-qzDKmNR2S5hWDdbG_zQA&dl_branch=1)].

**Panels**

Prospective Student Weekend. Panel with the graduate recruits of the School of Plant Sciences. February 9, 2023

Marymount School. Panel about being a woman in science for the ‘Day of Science and Technology’. February 3, 2023

2021 SIPS Small Grants Panel. Panel for selection of awardees of the 2021 Schmittau-Novak Small Grants program. April 2021

Marymount School. Panel about doing research in Colombia for the students at ninth grade and above. May 10, 2021

Mujeres Liderando América Latina. Panel about women leaders in Latin America. V Forum. [[Live panel via streaming](https://www.youtube.com/watch?v=eCTPSn0oz18)]. October 21, 2021

**Workshops**

“¿Qué es la escuela graduada y cómo aplicar?”. WAGS for Eta Gamma Delta. Universidad de Puerto Rico - Magalluez*.* April 26 & June 17, 2021

“Personal statements”. For the ELSO English for Academic Purposes (EAP) program for displaced Afghan students. April 21, 2021

“CV / Resumé”. For the ELSO English for Academic Purposes (EAP) program for displaced Afghan students. March 31, 2021

**MEMBERSHIPS**

**NYC Science Communication Society**  April 2020 - Present

*Member*

**The New York Academy of Sciences** August 2019 – Present

*Member*

**American Phytopathological Society (APS)**  July 2016 - Present

*Member of several committees: Graduate Students, Molecular and Cellular Phytopathology, Bacteriology, Northeastern and Caribbean Divisions.*

**SKILLS AND LANGUAGES**

**Computer:** Proficient in Microsoft Office (Word, PowerPoint, Excel, OneNote), programming in Bash, knowledge in bioinformatics as well as in statistical analyses in R and JMP.

**Languages:** Spanish (Native), English (C1), French (basic)