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SUMMARY

- *Federally-funded Principal Investigator of STEM education, training & diversity, equity & inclusion programs*
- *Nationally sought expert on topics related to STEM careers and diversity, equity, and inclusion*
- *Over a decade of leadership experience as CEO and head strategist of a fast-growing non-profit focused on science education, communication, and careers for underserved communities*
- *Experience working in government, non-profit, and academic administrative and research settings*
- **Mission:** *To develop and support communities, programs, and institutional practices to make science, and the benefits of science, more accessible and inclusive.*

EDUCATION

1998 – 2004 **Ph.D., Molecular and Cell Biology, University of California, Berkeley**
Joint Advisors: Ehud Y. Isacoff and Corey S. Goodman
Dissertation: Heterogeneous synaptic transmission at the *Drosophila* larval neuromuscular junction revealed by single-bouton optical imaging.

1993 – 1997 **B.Sc., Biology, University of Puerto Rico, Rio Piedras, PR**
GPA 3.97 / 4.00, *summa cum laude*

APPOINTMENTS AND PROFESSIONAL EXPERIENCE

2021 – Present **Assistant Director for Diversity, Equity, and Inclusion (DEI), Wu Tsai Institute, Yale University, New Haven, CT**

- Inaugural DEI leader for university-wide institute dedicated to interdisciplinary understanding of the mind and cognition. Integrating DEI process into all aspects of the Institute, from programs to scientist recruitment, to policies and processes.
- Designed and manage inclusive faculty recruitment process to bring in at least 9 new faculty members to Yale over the next three years. Has so far resulted in three female faculty members being hired to primarily male departments.
- Designed and manage recruitment for new postdoctoral fellowship program to incentivize interdisciplinary research and mentoring and hiring best practices.
- Oversee summer undergrad research program supporting ~12 students per year
- Established and advise institute-wide student and postdoc committee
- Advised development of PhD fellowship program promoting interdisciplinary research & diversity

2014 – Present **Yale Ciencia Director, Yale University, New Haven, CT**

- Lead multiple national programs for the professional development, recruitment, and retention of historically excluded groups in biomedical & health sciences
- Secured >\$5.6M in Federal funding. Principal investigator of various NIH and NSF projects that promote participation of underrepresented minorities in science
- PI of the NIH-funded Yale Ciencia Academy (YCA), which supports academic and professional development of national cohorts of diverse PhD students and has trained >260 students. Program shows statistically significant improvements in professional development practices and self-efficacy. Have produced four free video training courses based on YCA workshops for broader dissemination.
- Since 2021, Chair of Intersections Science Fellows Symposium (ISFS), which has secured faculty positions for >44 outstanding scientists committed to inclusion or

from minoritized groups. Secured >\$75K in funding, oversee staff and lead >300 faculty and postdoc volunteers for application and review, 3-day online event, and pre- and post-symposium professional development activities.

- Developed and lead the Yale Program for Advancing Training in Health and Sciences (PATHS), modeled after the Yale Ciencia Academy, which has provided community and professional development support to >270 minoritized students interested in pursuing MD, MD/PhD or PhD degrees
- Leading a national study to examine PhD student microaggression experiences
- Established NIH-funded partnership with University of Puerto Rico program for the promotion of early-stage research experiences linked to Yale programs
- Helped found and co-advise the Yale SACNAS chapter, which has won two Chapter awards in first four years of existence. Secured \$45K in Yale sponsorship for 2022 SACNAS conference and coordinated school-wide recruitment efforts reaching >250 students.
- Co-founder of Latinas Revolutionizing Academia (LaRA), a 20-member Latina faculty & trainee support group at Yale.
- Hired, supervised, and mentored 5 FTEs, and multiple interns.
- Personally advised over 300 undergraduate and PhD students from minoritized backgrounds on career paths and opportunities through YCA, PATHS, and other contacts or initiatives.

2012 – Present

Executive Director, Ciencia Puerto Rico, San Juan, PR

2011 – 2012

Director of Operations, Ciencia Puerto Rico, San Juan, PR

2007 – 2011

Administrative Team, Ciencia Puerto Rico, San Juan, PR

- Design and develop programs; secure federal, foundation, and donor funding; oversee staff and administrative operations; and develop and implement strategic organizational goals for non-profit linking >17K scientists, students and educators interested in the sciences & Puerto Rico
- Secured \$10M in funding and in-kind services over past decade
- Grew organization from all-volunteer staff to >18 FTE
- Established in 2014 a collaboration with Yale University.
- PI of NIH-funded “Seeds of Success: A Girl STEM Ambassadors Program”, which has connected >600 girls in Puerto Rico with Latina STEM professionals, exposed them to STEM activities, and empowered them to lead STEM outreach initiatives impacting >60,000 people throughout the Puerto Rico archipelago.
- Oversaw development and implementation of CienciaPR’s strategic plans, involving interviews with key stakeholders and advisors, staff retreats, and recruiting services of a strategic planning consultant and design thinking team.
- Managed 2012 contract to develop CienciaPR.org, a networking website and science communication and education content management system and database. Under leadership, CienciaPR has become the largest networked community of Hispanic scientists. CienciaPR outperforms most popular science or jobs and education websites in the world among Puerto Rican audiences.
- Launched “Puerto Rico Science Policy Action Network”, a scientist-led effort to advocate for science-informed policies and legislation in PR and the US.
- Helped design and launch the Puerto Rico Science Technology and Research Trust’s (PRSTRT) grants program, which awarded \$8.5M to >50 investigators over first 4 years. Partnered with PRSTRT, AAAS Caribbean division, ACS and SACNAS to award ~\$180K to >220 students and scientists affected by hurricanes

- Organization received recognition in 2015 as a Bright Spot in STEM education from White House, in 2016 by the AAAS Caribbean Division, was named 2018 Science Defender by the Union of Concerned Scientists, and won Public Engagement Science Breakthrough of the Year at the 2021 Falling Walls conference.
- Delivered >25 workshops over 10 years on topics related to mentoring-up, growing professional networks, career planning for success, science policy, science communication, and more.

2010 – 2012

**Head, Science Policy and Special Populations Research Branch
Van Andel Research Institute, Grand Rapids, MI**

- Coordinated among business units to establish new research programs, including Pediatric Personalized Medicine Oncology; Biospecimen Science; Biomarkers; and Structural Biology and Population Genomics joint centers in China
- Course Co-Director, Responsible and Effective Conduct of Research
- Worked with Institute leadership and faculty to develop and refine faculty evaluation policies and researcher funding models
- Supported institute and investigators in drafting and editing sections of major Federal grant and contract proposals, research collaboration agreements, etc.

2008 – 2010

Health Science Policy Analyst, Office of Science Policy and Planning, National Institute of Neurological Disorders and Stroke (NINDS), National Institutes of Health (NIH), Washington, DC

- Organized three NIH roundtables with research experts on opportunities for research in the emergency care setting; developed a Request for Information (RFI) and analyzed over 150 responses to inform the roundtables on opinions of broader scientific community; prepared a report of outcomes.
- Co-designed BP-ENDURE, an on-going funding program to train students from minority-serving institutions in neuroscience research (RFA-MH-10-070).
- Co-led internal team to examine the role of NINDS in workforce diversity. Worked with the NINDS director to select and organize a panel of extramural advisors for this planning effort.
- Led policy and portfolio analyses and program evaluations for minority health disparities, research training programs, international research, stroke, muscular dystrophy, and MS.

2006 – 2008

Science Administration and Management Intern, Department of Health and Human Services (HHS), Emerging Leaders Program (ELP), Washington, DC

The ELP recruited young professionals to the HHS workforce and provides leadership training and rotation opportunities. Worked on international policy related to infectious diseases for NIAID, tracked the implementation of the International Health Regulations at the Department of Health and Human Services, performed analyses of the biomedical research workforce for NIH, and worked on flu vaccination policies with the FDA, among other projects.

Emerging Leaders Program Rotations:

- *Office of Science Policy and Planning, NINDS, NIH*
- *Office of Extramural Research, Office of the Director, NIH*
- *Office of the Director, Center for Biologics Evaluation and Review, FDA*
- *Office of Global Research, NIAID, NIH*
- *Office of Medicine, Science, and Public Health, Office of the Assistant Secretary for Preparedness and Response, HHS*

- 2006 **Christine Mirzayan Science and Technology Graduate Policy Fellow, Board on Life Sciences, The National Academies, Washington, DC**
Organized, coordinated, and publicized a seminar on mental health screens for children; coordinated meeting on IP issues in toxicogenomics; collaborated in the writing of an educational brochure on stem cells.

RESEARCH EXPERIENCE

- Fall 2005 **Visiting Research Associate, Veterinary Genomics Laboratory, University of California, Davis, Davis, CA**
Genotyped microsatellite and indel markers in the domestic dog for the identification of linked traits
- 1998 – 2005 **Graduate and Postdoctoral Researcher, Molecular and Cell Biology Department, University of California, Berkeley, CA**
Developed and validated genetically-encoded tools to visualize neuronal activity *in vivo*, discovered previously unsuspected spatial distribution of synaptic strength; mentored, trained, and developed projects for three graduate students and one undergraduate; two semesters of teaching experience; presented research in international and national conferences; extensive experience with fluorescence microscopy, biophysics, electrophysiology, cloning, and *Drosophila* genetics
- 1997 – 1998 **Postbaccalaureate Intramural Research Training Award Fellow, Susan Wray Laboratory, NINDS, NIH, Bethesda, MD**
Analysis of neuroendocrine cell migration and gene expression during mouse embryonic development
- Summer 1996 **Minority International Research Training Program Fellow (NIH- MIRT), James Ajioka Laboratory, Cambridge University, Cambridge, UK**
Differential expression analysis of *Leishmania major* transition to infective stage
- Summer 1995 **MIT Summer Research Program (MSRP) Participant, William Thilly Laboratory, Massachusetts Institute of Technology, Cambridge, MA**
Validation of techniques to analyze spontaneous mutation of human genes
- 1994 – 1997 **Laboratory Assistant, Braulio D. Jiménez Laboratory, University of Puerto Rico Medical Science Campus, Rio Piedras, PR**
Mouse and rat studies of gene expression in response to toxic challenges

TEACHING EXPERIENCE

- 2011 - 2012 Van Andel Institute Graduate School, Course Co-Director, Responsible and Effective Conduct of Research
- 2011 - 2012 Van Andel Institute Graduate School, Invited Instructor, Historical Perspectives in Molecular Biology (*Drosophila*)
- Spring 2001 University of California, Berkeley, Instructor, Neurobiology Laboratory
- Fall 1998 University of California, Berkeley, Teaching Assistant, Introduction to Neurobiology

COURSES AND WORKSHOPS OFFERED

- **Course:** Responsible, equitable and effective conduct of research – Covering NIH requirements + discussing social contract with science, and diversity, equity and inclusion topics. Can also host 1:1 case study-based discussions
- **Workshop: Leading Inclusive Faculty Searches** – Implicit bias, current numbers, and landscape, living up to inclusive excellence as an institutional value, common ways bias can creep in

- **Workshop: Charting Your PATH in Science** - Assessing skills, values, and preferences; effective use of Individual Development Plans; career exploration
- **Workshop: Expanding Your Networks of Advice and Support** - Peers, advisors, mentors and champions, networking skills, elevator pitch, social media for connection
- **Workshop: Mentoring Up** - Bidirectional relations, advocating for yourself, active listening, compacts
- **Workshop: Leveraging Spheres of Influence to Make Change in Academia** - Stakeholder mapping; understanding your power, reflexivity and positionality
- **Workshop: Making Outreach Work for You** - Aligning personal and professional priorities
- **Workshop: Careers in Science Policy** – Career opportunities, common trajectories, ways to start
- **Facilitated Discussions:** School and Career as a Non-native English speaker; Finding “Your Self” in Research; Making Change in the Academy as a Student; Leveraging Your Spheres of Influence to Make Change as a Faculty Member.

GRANTS AT YALE

- 09/2022 – 07/2027 **NIH, 1 R25GM146264, Seeds of Success: Empowering Girls in STEM Through Mentoring, Access, and Leadership, Role: PI**
STEM careers are rewarding and well remunerated, yet Latinas and African American women are significantly underrepresented. Seeds of Success provides middle-school girls from underrepresented backgrounds with relatable STEM role models who shape confident attitudes and guide formative STEM experiences that are reinforced through peer and community outreach. The long-term goal is to empower young girls to pursue future careers in STEM professions.
- 08/2021 – 07/2022 **Burroughs Wellcome Fund, Career Guidance for Trainees Award: Intersections Science Fellows Symposium, Role: PI**
Supports the expansion and structure of the Intersections Science Fellows Symposium (ISFS), a multi-institutional program to give visibility to mid-to-late-stage postdoctoral trainees from historically marginalized backgrounds and connect them with mentors, sponsors and networking and professional development opportunities so they may secure fulfilling faculty positions that help increase the diversity of the professoriate.
- 08/2020 – 07/2025 **NIH, 2 R25GM114000, The Yale Ciencia Academy: Enhancing Biomedical Training and Diversity Through a Peer & Role Model Professional Development Program, Role: PI**
The Yale Ciencia Academy complements traditional research training by establishing a national cohort of graduate students who are more prepared for successful scientific careers through interactions with a network of culturally similar role models and peer mentors, through trainings in professional development skills, and through outreach to their communities of origin.
- 09/2015 – 05/2020 **NIH, 1 R25GM121270, Enhancing Research Training through Empowerment, Resilience & Civic Engagement, Role: Key Personnel (PI: Godreau, UPR-Cayey)**
Enhance responsiveness to the changing needs of the biomedical workforce through early research training courses and mentoring for undergraduates and professional development for faculty of >15 institutions in Puerto Rico. Yale Ciencia helps develop trainings for undergraduate students and established an online platform for the registration, dissemination of information, and collection of data for the program.
- 06/2015 – 07/2020 **NIH, 1 R25GM11400, Enhancing biomedical training and diversity through a Hispanic science network, Role: PI**

The Yale Ciencia Academy complements traditional research training by establishing a national cohort of graduate students who are more prepared for successful scientific careers through interactions with a network of culturally similar role models and peer mentors, through trainings in professional development skills, and through outreach to their communities of origin.

- 02/2018 – 12/2019 **NSF, 1823085, RAPID: Evaluation of disaster-related science lesson plans to promote learning continuity after Hurricane Maria, Role: PI**
Examining the feasibility and impact of implementing contextualized, project-based science lessons for middle school in the aftermath of a natural disaster.
- 01/2015 – 01/2016 **Amgen Foundation, Seeds of Success STEM Ambassadors Program, Role: PI**
Engaged 160 middle school girls with STEM through workshops, interactions with Latina STEM professionals, and leadership projects that impacted >10,000 additional people. Examined the impact of these experiences on girls' interest and motivation to persist in STEM.
- 07/2014 – 07/2016 **Puerto Rico Science & Technology Trust, Leveraging an Online Network to Develop a Grants Program, Role: PI**
Leveraged the CienciaPR network to identify and engage Puerto Rican diaspora scientists in the development of a national grants program.
- 06/2014 – 06/2015 **University of Puerto Rico, Medical Sciences Campus, Analysis of RCMI Investigators Needs and Opportunities, Role: PI**
Conduct focus groups to identify ways to improve the functionality of the CienciaPR network for graduate students, postdocs, and faculty members interested in finding professional development networking opportunities.
- 08/2013 – 06/2015 **Banco Popular Foundation, Catalog of Science Education Resources Tailored to Puerto Rico, Role: PI**
Create an online, easily navigable catalog of science education resources tailored specifically for Puerto Rican students and workshops to orient teachers on how to use and apply these resources in the classroom. The grant will also allow us to create a second module for the CienciaPR educational science video series.

GRANTS AT CIENCIAPR

**I do not receive salary support from these grants but was involved in designing projects, grant writing, and in some cases, overseeing programs.*

- 01/2022 – 12/2022 **Simons Foundation, Ciencia Co-Lab: Catalyzing Place-Based Community-Led Science Projects in Puerto Rico, Role: PI**
Strengthen the capacity and agency of community leaders in Puerto Rico to engage with science by providing them with training, networking and mentoring opportunities as well as financial support to catalyze place-based community-led science projects that address local challenges and priorities.
- 09/2021 – 08/2023 **Medtronic Foundation, Seeds of Success: Girls in STEM Program, Role: PI**
Expose 120 Puerto Rican middle school girls with STEM through workshops, mentoring with Latina STEM professionals, and leadership projects that impact additional 3,600 people in their communities.
- 09/2020 – 08/2021 **Simons Foundation, COVID-19 Science Communication Kit, Role: PI**
Engage Hispanic and underserved publics through science communication related to science topics.
- 09/2020 – 08/2023 **Amgen Foundation, Seeds of Success STEM Ambassadors Program, Role: PI**

Expose 120 Puerto Rican middle school girls with STEM through workshops, mentoring with Latina STEM professionals, and leadership projects that impact additional 3,600 people in their communities.

04/2020 – 06/2021 **IF/THEN Program, Seeds of Success STEM Ambassadors Program, Role: PI**
Expose 120 Puerto Rican middle school girls with STEM through workshops, mentoring with Latina STEM professionals, and leadership projects that impact additional 3,600 people in their communities.

04/2019 – 03/2019 **J&J Puerto Rico, Seeds of Success STEM Ambassadors Program, Role: PI**
Impact 100 Puerto Rican high school girls with STEM through workshops, interactions with Latina STEM professionals, and leadership projects that impact additional 3,000 girls.

04/2018 – 03/2019 **JetBlue Foundation, Seeds of Success STEM Ambassadors Program, Role: PI**
Impact 80 Puerto Rican high school girls with STEM through workshops, interactions with Latina STEM professionals, and leadership projects that impact additional 3,000 girls.

07/2016 – 06/2019 **Banco Popular Foundation, Ciencia al Servicio de Puerto Rico, Role: PI**
CienciaPR's flagship science education project, which is changing the way science is taught through teacher-scientist collaborations and which impacts 40 schools in Puerto Rico and ~2,400 middle school students per year. *Secured additional contributions from Jet Blue, Angel Ramos, and Intellectus Foundations*

08/2012 – 07/2013 **Banco Popular Foundation, Ciencia Puerto Rico: Providing Role Models for Future Generations of Scientists, Role: PI**
This award supported general administration efforts of Ciencia Puerto Rico and provided in kind resources to develop a three-part video series about Puerto Rican scientists for a 7th-8th grade audience.

08/2012 – 07/2013 **Puerto Rico Science & Technology Trust, An Online Network for Science and Puerto Rico, Role: PI**
This award supported the redesign and enhancement of the CienciaPR website and databases.

08/2011 – 07/2012 **Banco Popular Foundation, Ciencia Boricua Project: Contextualizing Science through Readings, Research, and Technology, Role: Co-I (PI: González-Espada, Morehead State University)**
This grant provided support for a pilot intervention to expose grade school and intermediate school children to scientific role models and culturally relevant scientific examples and gauge whether this increased their interest for science and scientific careers.

AWARDS (selected)

2023	<u>Outstanding Research & Professional Mentor Award</u> , National Diversity in STEM Conference of the Society for the Advancement of Chicanos Hispanics and Native Americans in Science
2023	Best-in-Class Award, AAMC Group on Faculty Affairs & Group on Diversity and Inclusion Joint Conference for poster entitled "It's Not the Pipeline: Diversifying Academia through a Multi-Institutional Symposium"
2023	Yale Biological and Biomedical Sciences Diversity and Inclusion Collective (YBDIC) Engagement Award. For demonstrated and exemplary leadership and commitment in diversity recruitment and retention efforts at Yale.
2020	Wheaton Woman in STEM award for 2020 (Postponed due to COVID-19)
2019	Lead the Way Fellowship, leadership program for non-profit Executive Directors women of color.
2018	Invited to Clinton Global Initiative Action Network on Post-Disaster Recovery

2017	Travel Award – AAMC GREAT Group Professional Development Meeting
2016	Invited by White House Office of Science and Technology Policy (OSTP) to participate in <i>Conference on Inclusive STEM Education for Youth of Color</i>
2016	Aspen Ideas Ricardo Salinas Spotlight Health Scholar
2016	University of Puerto Rico (UPR)'s Distinguished Alumna in Science
2015	Selected for O'Reilly Media's <i>Science Foo Camp</i> at Google Headquarters
2014	Invited by White House OSTP to participate in a National Workshop: Closing the Gap: Opportunities to Expand Minority Achievement and Participation in STEM
2013	Recognition for service to Van Andel Institute's IRB
2010	NIH Director's Award for Volunteer Program for English Proficiency
2009	NINDS Merit Awards for leadership in the NINDS Strategic Planning process and for coordinating the Emergency Medicine Research planning efforts
2008-2009	NIH Director's Award for coordinating evaluations for the Presidential Early Career Award in Science and Engineering.
2007	HHS Liaison to the Mexican Ministerial Delegation, Global Health Security Initiative Ministerial Meeting, NIH, Bethesda, MD
2006 – 2008	HHS Emerging Leader Fellow
2006	Christine Mirzayan Science and Technology Graduate Policy Fellow, Board on Life Sciences, National Research Council, National Academies, Washington, DC
1998 – 2003	Howard Hughes Medical Institute (HHMI) Pre-doctoral Fellowship Award
1998	Selected for the NSF Graduate Research Fellowship and the Ford Foundation Predoctoral Diversity Fellowships. Declined due to receipt of HHMI Graduate Fellowship Award
1997 – 1998	Post-baccalaureate Intramural Research Training Fellow, NINDS, Bethesda, MD

LEADERSHIP AND SERVICE (selected)

2024 – Present	Senderos a la Ciencia (Hispanic Access Foundation, NIH SEPA) Advisory Council.
2023 – Present	Elected Member, AAAS Empowering Career Pathways in STEMM (ECP) Multidisciplinary Working Group. Advisory to AAAS Council.
2023 – Present	Board of Directors, Molecular Sciences Research Center, San Juan, PR
2022 – 2023	Member, National Academies of Sciences, Engineering, and Medicine (NASEM) Advancing Anti-Racism, Diversity, Equity, and Inclusion in STEM Organizations: A Consensus Study
2022 – Present	Reviewer, Gilliam Fellowship Program, Howard Hughes Medical Institute (HHMI)
2021 – Present	Founder and Co-Leader, Latinas Revolutionizing Academia (LaRA)
2020 – Present	Intersections Science Fellows Symposium, Co-Chair, Steering Committee member and Faculty Advisor for Programming and Post-Symposium Committees
2019 – Present	NSF Engineering Research Center for Cell Manufacturing Technologies (CMaT) Workforce Development Advisory Board
2018 – Present	Advisor, Científico Latino
2018 – Present	Founder and Lead Advisor, Puerto Rico Science Policy Action Network
2017 – Present	Member, Board of Directors, ARTE Inc (New Haven Latine education non-profit)
2020	Co-founder and advisory member, Puerto Rico COVID-19 Testing Work Group
2019	Peer review member, NINDS Workforce Special Emphasis Panel (ZNS1 SRB D-01)
2019	Puerto Rico Institute of Statistics Director Search Advisory Committee
2017 – 2018	Member, Next Generation Researchers Initiative Committee, NASEM
2016 – 2018	Elected Member & Programming Subcommittee Chair, Minority Affairs Committee, American Society for Cell Biology,
2015 – 2017	Peer reviewer, National Science Foundation, NSF Research Traineeship Program
2014 – 2016	Member, Grants Committee, Puerto Rico Science, Technology and Research Trust
2015	Peer reviewer, NIH Training, Workforce Development, and Diversity Programs Subcommittee D (TWD-D)
2015	Member, Strategic Planning Committee, Puerto Rico Science, Technology and Research Trust

2015	New Haven Public Schools Science Fair judge
2014 – 2015	Peer reviewer, Puerto Rico Science, Technology and Research Trust grants program
2013 – 2015	Abstract Reviewer, SACNAS
2011 – 2013	Van Andel Research Institute Institutional Review Board (IRB) member
2011 – 2012	Member of the Science Policy Committee of the International Society for Biological and Environmental Repositories (ISBER)
2011 – 2012	IRB Member, Calvin College Institutional Review Board
2010 – 2012	Member, Ethics Committee, DeVos Medical Ethics Colloquy
2012	Grant Reviewer (R21), RCMI Pilot Project Program, University of Puerto Rico, Medical Sciences Campus
2011	Grant Reviewer, Susan G. Komen for the Cure, Grand Rapids Affiliate
2008 – 2010	ESL Teacher, Program Co-Creator, Volunteer Program for English Proficiency (VPEP) at NIH - Taught English once a week to NIH housekeeping employees. Helped develop and expand the program across the NIH and implement organizational processes and policies.
2007 – 2009	Tax Preparer and Translator, DC EITC Campaign, Washington DC Metro Area - Provided free tax preparation services to low-income individuals to help them obtain the Earned Income and Child Tax credits.
2008	Abstract Reviewer, NIH Summit: The Science of Eliminating Health Disparities, National Harbor, MD
2008	Poster Judge, Specialized Neuroscience Research Programs Conference, NYC

PEER-REVIEWED PUBLICATIONS

Complete List: <https://www.ncbi.nlm.nih.gov/myncbi/giovanna.guerrero-medina.1/bibliography/public/>

1. Feliú Mójer MI, López Merced AI, González-Espada WJ, Cabezas Bou EG, Colón-Echevarría CB, Cruz Collazo AM, García-Justiniano J, Liquey y González JE, Rivera-Bonet CN, Rivera-Rodríguez A, Rodríguez Benítez A, Rodríguez-Cruz LA, Rodríguez García PM, **GUERRERO-MEDINA, G.** Increasing Culturally Relevant Science Media Coverage: Exploring the Outcomes of a Collaboration in Puerto Rico. *J Com.* 2024 June; 23(5). https://jcom.sissa.it/article/pubid/JCOM_2305_2024_N02
2. Hernández-Matías, L; Díaz-Muñoz, G; **GUERRERO-MEDINA, G.** Seeds of Success: Empowering Latina STEM Girl Ambassadors Through Role Models, Leadership, and STEM-Related Experiences. *J STEM Outreach.* 2023 Sep;6(2). Epub 2023 Sep 26. PMID: PMC10601408. <https://pubmed.ncbi.nlm.nih.gov/37885462/>
3. **National Academies of Sciences, Engineering, and Medicine.** 2023. *Advancing Antiracism, Diversity, Equity, and Inclusion in STEM Organizations: Beyond Broadening Participation.* Washington, DC: The National Academies Press. <https://doi.org/10.17226/26803>
4. **National Academies of Sciences, Engineering, and Medicine.** 2018. *The Next Generation of Biomedical and Behavioral Sciences Researchers: Breaking Through.* Washington, DC: The National Academies Press. doi: <https://doi.org/10.17226/25008>
5. González-Espada, W; Díaz-Muñoz, G; Feliú-Mójer, M; Flores-Otero, J; Fortis-Santiago, Y; **GUERRERO-MEDINA, G;** Lopez, M; Colón-Ramos, DA; Fernández-Repollet, E. (2015) Assessing a Graduate School Science Recruitment Symposium. *Cuaderno de Investigación en la Educación.* 30:55-70. PMID: PMC4708887 <http://cie.uprrp.edu/cuaderno/2015/12/16/assessing-a-graduate-school-science-recruitment-symposium/>
6. Ball, R.W., Peled, E.S., **GUERRERO, G.,** Isacoff, E.Y. (2015) BMP signaling and microtubule organization regulate synaptic strength. *Neuroscience* 16(29): 155-66. PMID: PMC4369397. <http://www.ncbi.nlm.nih.gov/pubmed/25681521>
7. González-Espada, W; Llerandi-Román, P.A.; Fortis-Santiago, Y; **GUERRERO-MEDINA, G;** Ortiz-Vega, NM; Colón-Ramos, D; Feliú-Mójer, M. (2014) Impact of Culturally Relevant Contextualized Activities on Elementary and Middle School Students Perceptions of Science: An

- Exploratory Study. *International Journal of Science Education*. Part B: 1-21. <http://dx.doi.org/10.1080/21548455.2014.881579>
8. **GUERRERO-MEDINA, G.**; Feliú-Mójer, M; González-Espada, W; Díaz-Muñoz, G; Lopez, M; Díaz-Muñoz, S; Fortis-Santiago, Y; Flores-Otero, J; Craig, D; Colón-Ramos, DA (2013) Supporting diversity in science through social networking. *PLoS Biology*. 11(12): e1001740. PMCID: PMC3876968. <http://dx.doi.org/10.1371/journal.pbio.1001740>
 9. González-Espada, W; Fortis-Santiago, Y; **GUERRERO-MEDINA, G**; Ortiz-Vega, NM; Colón-Ramos, D; Feliú-Mójer, M. (2013) Suplementando el currículo de ciencias con contenido contextual y culturalmente relevante: Lecciones de la implementación del Proyecto Ciencia Boricua. *Cuaderno de Investigación en la Educación*. 28: 109-127. ISSN 1540-0786. <http://cie.uprrp.edu/cuaderno/ediciones/28/v28-2013-06.pdf>
 10. Wong AK, Ruhe AL, Dumont BL, Robertson KR, **GUERRERO G**, Shull SM, Ziegler JS, Millon LV, Broman KW, Payseur BA, Neff MW. (2009) A comprehensive linkage map of the dog genome. *Genetics*. 184(2):595-605. PMCID: PMC2828735. [10.1534/genetics.109.106831](https://doi.org/10.1534/genetics.109.106831)
 11. GUERRERO, G., et.al. (2005) Heterogeneity in synaptic transmission along a Drosophila larval motor axon. *Nature Neurosci*. 8(9):1188-96. *F1000 Factor of 9.0 (Evaluations by Michael Ehlers and Stuart Licht, <http://f1000.com/1027684#eval335716>). PMCID: PMC1402256.
 12. Reiff, DF., Ihring, A., **GUERRERO, G.**, Isacoff, E.Y., Joesch, M., Nakai J., Borst, A. (2005) In vivo performance of genetically encoded indicators of neural activity in flies. 2005. *J. Neurosci*. 25:4766-78. DOI: <https://doi.org/10.1523/JNEUROSCI.4900-04.2005>
 13. Sonleitner, A., **GUERRERO, G.**, Mannuzzu, L., Isacoff, E.Y. (2003) Voltage Sensitive Dyes. *Biophotonics*. 10(3):48-60.
 14. **GUERRERO, G.**, et.al. (2002) Tuning FlaSh: Redesign of the dynamics, voltage range, and color of the genetically encoded optical sensor of membrane potential. *Biophysical J*. 83(6):3607-18. PMCID: PMC1302436. DOI: [10.1016/S0006-3495\(02\)75361-7](https://doi.org/10.1016/S0006-3495(02)75361-7)
 15. **GUERRERO, G.**, Isacoff, E.Y. (2001) Genetically encoded optical sensors of neuronal activity and cellular function. *Curr. Opin. Neurobiol*. 11(5):601-7. [http://dx.doi.org/10.1016/S0959-4388\(00\)00256-7](http://dx.doi.org/10.1016/S0959-4388(00)00256-7)
 16. Kramer, P.R., **GUERRERO, G.**, Krishnamurthy, R., Mitchell, P.J., Wray, S. (2000) Ectopic expression of luteinizing hormone-releasing hormone and peripherin in the respiratory epithelium of mice lacking transcription factor AP-2alpha. *Mech. Dev*. 94:79-94. [http://dx.doi.org/10.1016/S0925-4773\(00\)00316-6](http://dx.doi.org/10.1016/S0925-4773(00)00316-6)

OTHER PUBLICATIONS

1. **GUERRERO, G.** and Colón-Ramos, D. Nota de Campo: Rol de la organización Ciencia Puerto Rico en el periodo inicial de la pandemia. Marzán M, Cardona I, eds. *COVID-19 en Puerto Rico: Memoria Histórica para una mejor salud pública*. 1st edition. Puerto Rico Science and Technology Research Trust; 2024.
2. Colón-Ramos, D. and **GUERRERO, G.** Nota de Campo: Apoyo para ampliar capacidad de pruebas moleculares para SARS-CoV-2 en Puerto Rico. Marzán M, Cardona I, eds. *COVID-19 en Puerto Rico: Memoria Histórica para una mejor salud pública*. 1st edition. Puerto Rico Science and Technology Research Trust; 2024.
3. **GUERRERO, G.** (April 1, 2020) Necesitamos más pruebas moleculares en Puerto Rico (We Need More Molecular Tests in Puerto Rico), *El Nuevo Día*, <https://www.elnuevodia.com/opinion/punto-de-vista/necesitamos-mas-pruebas-en-puerto-rico/>
4. **GUERRERO, G.** (August 8, 2016) Puerto Rico Vota Con-Ciencia: Educación (Puerto Rico, Vote Your Conscience: Education), *El Nuevo Día*,

<http://www.elnuevodia.com/opinion/columnas/puertoricovotaconciencia-columna-2228835/>

5. **GUERRERO, G.** (November 6, 2013) Un nuevo espacio virtual para las mujeres puertorriqueñas e hispanas en las ciencias (A new online space for Puerto Rican and Hispanic women in science) *Diálogo Digital*, <http://dialogodigital.com/index.php/Un-nuevo-espacio-virtual-para-las-mujeres-puertorriquenas-e-hispanas-en-las-ciencias.html>
6. Colón-Ramos, D. and **GUERRERO, G.** (March 21, 2013) We are not starfish *PBS.org*, <http://www.pbs.org/wnet/need-to-know/opinion/we-are-not-starfish/16536/>
7. **GUERRERO, G.** (February 12, 2013) En riesgo la ciencia en Puerto Rico (Science in Puerto Rico is at risk) *El Nuevo Día*, <http://www.elnuevodia.com/enriesgolacienciaenpr-1446278.html>.
8. **GUERRERO, G.** (December 12, 2011) Los retos de la investigación científica en Puerto Rico (Challenges to scientific research in Puerto Rico) *Diálogo Digital*, <http://www.dialogodigital.com/index.php/Los-retos-de-la-investigacion-cientifica-en-Puerto-Rico.html>. *Also published in English as "Summertime: A chance for reciprocal summer research programs", <http://www.cienciapr.org/monthly-story/summertime-chance-reciprocal-summer-research-programs>
9. **GUERRERO, G.** (2007) In search of the big picture, *Bio Career Center*, http://www.biocareercenter.com/article/in_search_of_the_big_picture.html
10. Understanding Stem Cells: An Overview of the Science and Issues from the National Academies. (2006) *National Academy Press*. Washington D.C. <http://dels-old.nas.edu/bls/stemcells/basics.shtml> (In collaboration with Anne Jurkowski and staff from the National Academies' Board on Life Sciences).
11. **GUERRERO, G.** (2003) Book Review: My Life in Science. *Berkeley Science Review*. 3(2):21. <http://sciencereview.berkeley.edu/pdf/3.2/bookreview.pdf>

PRESENTATIONS (selected, past seven years)

Invited or Conference Talks

1. **March 8, 2024** - Culture & Identity in Science as a Matter of Social Justice. 2030STEM: Salon #8: *Shifting Tides in STEM Inclusion: In a changing DEI landscape, where does "X in STEM" fit in?*, virtual
2. **October 26, 2023** - Organizer and speaker. Advancing Antiracism in STEM - Discussion of the recent National Academies Report with the SACNAS Community. *SACNAS Conference*, Portland, OR
3. **October 28, 2023** - Organizer and speaker. Addressing the gaps: Strategies to increase minoritized and marginalized students' access to and retention in STEM degrees. *SACNAS Conference*, Portland, OR
4. **June 13, 2023** - It's Not the Pipeline: Diversifying Academia through a Multi-Institutional Symposium. 2023 *Group on Diversity and Inclusion (GDI) and Group on Faculty Affairs (GFA) Joint Professional Development Conference*. *Winner, best poster award
5. **April 17, 2023** - Recommendations from the Anti-racism and DEI consensus report. National Academies of Science Engineering and Medicine, virtual
6. **November 4, 2021** – Understanding Culture & Incorporating Cultural Differences, *Enabling Scientific Societies to Support Inclusive, Diverse, Equitable, and Accepting (IDEA) Scientific Environments conference*, virtual
7. **October 6, 2021** – Addressing diversity, equity, and inclusion in science through empowerment and visibility of marginalized groups, *Radiation Research Society Annual Meeting*, virtual
8. **October 31, 2019** – Yale Ciencia Academy Program and Outcomes (speaker), part of the Preparing Scientists to Make a Difference: Leadership and Professional Development Training at All Stages session (organizer), *SACNAS Conference*, Honolulu, HI

9. **September 13, 2019** - Enhancing PhD Training and Professional Development Through a Diverse Peer and Role Model Network, *AAMC GREAT Group Meeting*, Seattle, WA
10. **July 31, 2019** - Yale Ciencia Academy Program and Outcomes, *2019 NIGMS Training, Workforce Development and Diversity Program Directors' Meeting*, Bethesda, MD
1. **March 1, 2019** - Promoting the development of Boricua science, *University of Puerto Rico RISE Program*, San Juan, PR
2. **February 16, 2019** - Preparing scientists to make a difference: Scientific Leadership Programs, *AAAS Annual Meeting*, Washington, DC (Symposium organizer & presenter)
3. **November 10, 2018** - Rebuilding a Sustainable and Resilient Puerto Rico through Science, *National Science Policy Symposium*, New York, NY
4. **October 13, 2018** - Post hurricane María help, for & by researchers, *SACNAS Conference*, San Antonio, TX
5. **February 23, 2018** - The State of STEM Research in 2017 Hurricane Areas and Lessons Learned, *Emerging Researchers National Conference*, Washington, DC
6. **February 21, 2018** - From Neuronal Connections to Scientific Connections: My trajectory as an advocate for science and underserved communities, *Yale Minority Researchers Science Network*, New Haven, CT
7. **February 19, 2018** - Rethinking a Resilient and Sustainable Puerto Rico Through Science, Technology and Innovation, *AAAS Annual Meeting*, Austin, TX
8. **October 20, 2017** - Open Session: Perspectives on How to Advance the Next Generation of Researchers, *SACNAS Conference*, Salt Lake City, UT
9. **June 18, 2017** - Highlighting Outcomes from the NIH-IPERT Program: The Yale Ciencia Academy, *TWD Program Directors' Meeting*, Baltimore, MD
10. **September 16, 2016** - From neuronal connections to scientific connections, *Biosciences Week at Sacred Heart University*, San Juan, PR
11. **September 10, 2016** - Connecting science and Puerto Rico to bring about cultural change, *AAAS-Caribbean Division Annual Meeting*, San Juan, PR
12. **April 12, 2016** - Yale Ciencia Academy: Leveraging a Hispanic science network to enhance graduate biomedical training, career success and diversity, *NIGMS/NIH Symposium on Catalyzing the Modernization of Graduate Education*, Bethesda, MD
13. **March 5, 2016** - Keynote Address, *Puerto Rican Junior Technical Meeting and Interdisciplinary Scientific Meeting*, Ponce, PR
14. **January 29, 2016** - CienciaPR: A network for equal access and Latino achievement in STEM, *1st PKAL Puerto Rico Regional Meeting*, Humacao, PR
15. **October 30, 2015** - Opportunities for promoting inclusion and persistence in STEM through networked communities, *SACNAS Conference*, Washington DC
16. **September 17, 2015** - CienciaPR: A Model for Scientific Outreach for Countries and Diasporas, *1st Meeting of Spanish Scientists in the U.S.*, Washington, DC
17. **August 22, 2015** - Careers in Science Policy and Outreach, *Ponce Health Sciences University*, Ponce, PR
18. **March 13, 2015** - Leveraging a Science Social Network to Increase Access to Culturally Relevant Science Education Materials, *Puerto Rican Education Congress*, San Juan, PR
19. **September 20, 2014** - A network for the dissemination of science, collaboration, and scientific careers, *American Association for the Advancement of Science - Caribbean Division*, Gurabo, PR
20. **July 28, 2014** - Redes Científicas: Puentes para la democratización de la ciencia y el desarrollo de la capacidad de investigación, *Universia's III International President's Meeting: Investigation, Innovation and Transference Debate*, Rio de Janeiro, Brazil
21. **June 28, 2014** - Science in Rice and Beans: Local resources to increase students' interest in the sciences, *Residential Teachers' Workshop: Experiencia Científica en el Observatorio de Arecibo para Maestros (ECOAME)*, Dorado Puerto Rico
22. **May 2, 2014** - A network for the dissemination of science, collaboration, and scientific careers, *Universidad del Este*, Carolina, PR

23. **May 1, 2014** - A network for the dissemination of science, collaboration, and scientific careers, *University of Puerto Rico, Humacao, Humacao, PR*
24. **April 30, 2014** - A network for the dissemination of science, collaboration, and scientific careers, *Puerto Rico Industrial Association Competitiveness Summit: Diagnostics and Opportunities for Growth, San Juan, PR*
25. **March 13, 2014** - A social network to increase access to culturally relevant science education, *XIII Congress on Educational Research, University of Puerto Rico, Rio Piedras, PR*
26. **March 13, 2014** - Ciencia Puerto Rico - A platform for scientific connections and professional development, *University of Puerto Rico, Medical Sciences Campus, San Juan, PR*
27. **January 28, 2014** - Ciencia Puerto Rico: A Social Network for Science Outreach, Mentoring, and Education. *Science Education Seminar Series: Yale Center for Scientific Teaching, New Haven, CT*
28. **October 19, 2013** - Science Outreach: Reasons and Opportunities *2nd CienciaPR Educational Symposium: Charting a Map for Success, Skills and Strategies for Graduate Students in STEM, San Juan, PR* *Meeting Organizer
29. **September 20, 2013** - Leveraging an Online Scientific Network to Promote and Enhance Science Education Within a Minority Community. *Global STEMx Conference.*
30. **April 6, 2013** - An Online Membership Organization to Promote and Enhance Science Education in Puerto Rico. *Annual Meeting of National Association of Research in Science Teaching (NARST), Rio Grande, PR.*
31. **April 5, 2013** - The Contributions of Puerto Rican Science to the Puerto Rican Community XI *Encuentro de Investigación, University of Turabo, Gurabo, PR*
32. **March 25, 2013** - Ciencia Puerto Rico: Un recurso para la educación científica. *The 2013 Puerto Rican Science Teachers Association, University of Turabo, Gurabo, PR*
33. **March 21, 2013** - La ciencia boricua está a tu alrededor. *Festival de Ciencias de la Universidad Sagrado Corazón, San Juan, PR*
34. **March 20, 2013** - CienciaPR: Leveraging the Scientific Community to Advance Informal Science Education. *Geological Society of America Southeastern Section Meeting, San Juan, PR*
35. **Febrero, 2013** - Guerrero-Medina, G. Ciencia Puerto Rico: Un recurso para la educación científica. *Centro Criollo de Ciencia y Tecnología, Caguas, PR*
36. **March 31, 2012** - Science in Puerto Rico: Academia, Industry & Beyond, *The 2012 Puerto Rican Student Conference, Yale University, New Haven, CT*
37. **February 23, 2012** - Ciencia Puerto Rico: Creating Community to Catalyze the Advancement of Science and Research in Puerto Rico, *3rd Summit of Translational Research in Health Disparities, San Juan, PR*
38. **February 2011** - Online Resources for Cancer Studies. *Help on the Hill: An Event for Cancer Patients and their Loved Ones, Van Andel Institute, Grand Rapids, MI.*
39. **October 2010** - Addressing Health Disparities: Working together to ensure Wellness for all. *YMCA Corporate Health & Wellness Event, Van Andel Institute, Grand Rapids, MI.*
40. **December 2008** - Discussion of the Results from the NIH RFI: Soliciting Input on Current Needs in Emergency Medicine Research, *NIH Roundtable on Opportunities to Advance Research on Neurological and Mental Health Emergencies, Bethesda, MD*
41. **October 2008** - The Development of a Scientific Career: Research and Mentorship Opportunities, *Universidad Metropolitana, San Juan, Puerto Rico.*
42. **October 2008** - Science for the Service of Society: A Career in Science Policy, *Ponce School of Medicine, Ponce, Puerto Rico.*
43. **July 2004** - Single-Bouton Optical Resolution of Synaptic Transmission at the Drosophila Larval Neuromuscular Junction, *4th Forum of European Neurosciences, Lisbon, Portugal.*
44. **October 2003** - Single-Bouton Optical Resolution of Synaptic Transmission at the Drosophila Larval Neuromuscular Junction, *Neurobiology of Drosophila Meeting, Cold Spring Harbor, NY.*

Workshops

1. **June 5, 2024** - Managing & Expanding your Mentoring Relationships, *Yale Summer Research Program*, New Haven, CT
2. **January 29-30, 2024** – Organizer, Advancing Antiracism, Diversity, Equity, and Inclusion in STEMM Organizations: Current Context and Challenges, *National Academies of Science Engineering and Medicine*, Washington, DC
3. **June 16, 2023** – Networking for Success. *Yale Summer Enrichment Medical Academy*. New Haven, CT
4. **January 20, 2022** – Mentoring-Up: Establishing and Nurturing Your Mentoring Relationships, *Yale PATHS Program*, Online (Instructor)
5. **November 9, 2021** – Networks and Recommenders, *Yale PATHS Program*, Online (Instructor)
6. **May 12, 2021** – Mentoring-Up: Establishing and Nurturing Your Mentoring Relationships, *Yale PATHS Program*, Online (Instructor)
7. **April 20, 2021** – Mentors, Peers, and Champions: Building a Community of Support, *Yale PATHS Program*, Online (Instructor)
8. **October 21, 2020** – Letters of Recommendations: Helping Your Mentors Help You, *Yale PATHS Program*, Online (Instructor)
9. **February 16, 2019** - From a Moment to a Movement: Building Infrastructure to Sustain Scientist Advocacy, *AAAS Annual Meeting*, Washington, DC (Panelist and Presenter)
10. **October 12, 2018** - Be a Proactive Mentee: Taking an Active Role in Your Research Training, *SACNAS Conference*, San Antonio, TX (Organizer & Presenter)
11. **September 1, 2018** - Ciencia en Acción: Science Policy Workshop at the *AAAS Caribbean Annual Meeting*, San Juan, PR (Annual Meeting lead-organizer, Speaker)
12. **December 2, 2017** - Science learning for all: Inclusive teaching strategies, *ASCB Annual Meeting*, Philadelphia, PA (Workshop Organizer & Moderator)
13. **December 2, 2017** - Getting the most out of your thesis committee, *ASCB Annual Meeting*, Philadelphia, PA (Workshop Organizer & Moderator)
14. **December 2, 2017** - Planning your exit from grad school, *ASCB Annual Meeting*, Philadelphia, PA (Workshop Organizer & Moderator)
15. **October 21, 2017** - Goal-Setting Skills for Academic and Career Success, *SACNAS Conference* (Organizer & Presenter)
16. **July 17, 2017** - Science Outreach: Opportunities for Research Intensive Programs, *12th ASCB MAC Jr. Faculty & Postdoc Workshop*, Seattle, WA (Instructor)
17. **June 9, 2017** - #SciComm: The Why, the How and the What, *UPR-Mayagüez REU Program*, San Juan, PR
18. **November 11, 2016** - Being a Proactive Mentee: Taking Control of Your Research Experience, *Annual Biomedical Research Careers Minority Conference (ABRCMS)*, Tampa, FL (Instructor)
19. **October 15, 2016** - The Postdoc Hunt: Tools and Strategies for a Smooth PhD Transition, *Society for the Advancement of Chicanos, Hispanics, and Native Americans in Science (SACNAS) Annual Meeting*, Los Angeles, CA (Organizer, Moderator)
20. **October 1, 2016** - Culturally Relevant Education Teacher's Workshop, *Fundación Banco Popular*, San Juan, PR (Instructor)
21. **September 30, 2016** - Critical thinking and cultural relevance as student empowerment strategies, *El Nuevo Día Teachers' Workshop*, San Juan, PR (Instructor)
22. **July 15-17, 2016** - American Society for Cell Biology Minority Affairs Committee 11th Junior Faculty and Postdoc Workshop, *University of North Carolina*, Raleigh, NC (Panelist and Presenter)
23. **June 18, 2016** - Scientific Communication Workshop for REU Participants, *University of Puerto Rico, Mayagüez*, Mayagüez, PR (Instructor)
24. **June 12, 2015** - Scientific Communication Workshop for REU Participants, *University of Puerto Rico, Mayagüez*, Mayagüez, PR (Instructor)

25. **December 5, 2014** - Effective Communication Workshop, *University of Puerto Rico, Mayagüez, Mayagüez, PR* (Co-Organizer)
26. **October 18, 2014** - Delivering Science: Effective Communication Skills to Become a Successful Scientist, *Society for the Advancement of Chicanos, Hispanics, and Native Americans in Science (SACNAS) Annual Meeting, Los Angeles, CA* (Co-Organizer)
27. **October 9, 2014** - Workshop: Cultural relevancy in the teaching of science, *University of Puerto Rico-Humacao, Humacao, PR*
28. **October 19, 2013** - Ciencia Puerto Rico 2nd CienciaPR Educational Symposium: Charting a Map for Success, Skills and Strategies for Graduate Students in STEM, *San Juan, PR* (Co-Organizer)
29. **April 4, 2013** - State of STEM K-12 education in Puerto Rico. 1st Roundtable on STEM school education in Puerto Rico: Stakeholders, Challenges, and Opportunities *Rio Grande, PR* (Organizer)
30. **September 2011** - Ciencia Puerto Rico Educational Symposium on Graduate Studies and Scientific Careers, *San Juan, PR* (Co-Organizer)

Panelist

1. **May 13, 2024** - The Trainee Podcast: Build Your Research Community. Episode 2, Crossroads Ahead: Strategies to Successfully Transition Through Career Stages. *iBiology Courses*.
2. **April 19, 2024** - Cultivating Inclusion: A Roadmap for Scientists in Training. *24th Annual CCR Fellows and Young Investigators Colloquium, Washington, DC*
3. **September 30, 2020** – COVID-19 y la Comunidad Latina (organizer and moderator), *Online*
4. **September 29, 2020** – COVID-19 and the Latinx Community (organizer and moderator), *Online*
5. **October 19, 2019** - Science careers in non-profits, *What Can You Be with a PhD Conference, New York, NY*
6. **May 1, 2018** - Eye of the Storm: #WOCin STEM Leading Post-Hurricane Recovery Vanguard STEM videochat
7. **April 7, 2018** - Funding Opportunities, *Biomedical Science Careers Student Conference, Boston, MA*
8. **November 4, 2017** - Science careers in non-profits, *What Can You Be with a PhD Conference, New York, NY*
9. **April 8, 2017** - The Urgency of Civic Responsibility: Building a Movement to Leverage Scholar-Activism in the Academy, *Yale University Bouchet Conference on Diversity and Graduate Education, New Haven, CT*
10. **November 6, 2017** - March for Science, *American Association for the Advancement of Science, Facebook Live*
11. **September 17, 2016** - Funding and Research Opportunities, *Forward Research & Innovation Summit, San Juan, PR*
12. **April 4, 2016** - Mentoring Workshop Panel, *Annual Yale Bouchet Conference on Diversity and Graduate Education, Yale University, New Haven, CT*
13. **March 30, 2016** - Among Borinqueñas: The Contributions of Puerto Rican Women in STEM, *Puerto Rico, Via Skype, Puerto Rico Science Technology and Research Trust, San Juan, PR*
14. **March 16, 2016** - A Conversation on STEM Education with Bright Spots Across the Country. *Online. White House Youtube Channel*
15. **May 28, 2015** - Women in Science Career Panel, *Yale University, New Haven, CT*
16. **October 10, 2014** - *First Meeting for a STEAM Education, University of Puerto Rico, Rio Piedras, PR*
17. **September 22, 2014** - Science in Rice and Beans: Local resources to increase student's interest in the sciences, *University Gardens High School, San Juan, PR*
18. **June 6, 2014** - Live Q&A, Developing Scientific Networks to Improve Education. *iBiology Hangouts. Youtube*.

SELECTED PRESS AND MEDIA COVERAGE (*Selected. CienciaPR/YaleCiencia/Guerrero-Medina*)

1. March 30, 2024 - Building a science community: A conversation with Giovanna Guerrero-Medina. *Wu Tsai Institute News*
2. November 28, 2023 – Executive Director Recognized for Mentoring Ciencia Puerto Rico
3. November 15, 2023 - Building Bridges: DICE-Driven Exchange Connects Navajo Technical University Students with Yale School of Medicine. *YSM News*
4. October 17, 2023 - Construyendo Comunidad: Inaugural Conference Unites Latine Health Professionals. *YSM News*
5. April 20, 2022 - Participants From Two Pipeline Programs Visit YSM for Conference. *YSM News*
6. March 1, 2022 - Yale Psychiatry Faculty Co-Found Group Aimed At Fostering Community Among Latinas in Academia. *YSM News*
7. September 27, 2021 – Increasing Access: Giovanna Guerrero-Medina, PhD. *YSM News*
8. August 20, 2021 – Intersections Science Fellowship Symposium Gets a Boost. *YSM News*
9. June 24, 2021 – The Yale Ciencia Academy Welcomes a New Class of Young Science Leaders. *YSM News*
10. May 10, 2021 – PATHS helps students from underrepresented backgrounds realize med school dreams. *YSM News*
11. December 10, 2020 – Yale’s New Virtual Program to Train and Diversify the Next Generation of Doctors and Scientists. *YSM News*
12. September 8, 2020 – The Power of Collaboration - Dra. Giovanna Guerrero Medina. *Marullo Podcast. Serie: Ciencia con Humanidad*.
13. June 19, 2020 – The Yale Ciencia staff and fellows help Puerto Rico fight COVID-19. *YSM News*
14. April 5, 2020 – Científicos con Puerto Rico. *Luis Alberto Ferré Rangel Conversaciones Podcast*.
15. May 24, 2019 – Episodio 9: Giovanna Guerrero-Medina, PhD. *Caminos en Ciencia Podcast*.
16. January 30, 2019 - Educadores viajan a Nueva Orleans para evento del Smithsonian *Primera Hora*
17. December 18, 2018 - CienciaPR recognized as a science defender by Union of Concerned Scientists. *News is My Business*
18. November 8, 2018 - The JetBlue Foundation Celebrates National STEM Day by Awarding Grants to Power STEM Initiatives in Puerto Rico. *Business Wire*
19. September 24, 2018 - Puerto Rico: Maria’s Laboratory for Scientific Collaboration. *UCS Blog*
20. September 10, 2018 - Puerto Rican Scientists and the Communities They Serve: “Resistance is Resilience.” *UCS Blog*
21. August 2, 2018 - Junte entre maestros y científicos por impulsar la ciencia en la isla. *Metro*
22. May 14, 2018 - Entregarán telescopios a 20 escuelas en Puerto Rico. *Metro*
23. May 1, 2018 - Conversations with Women of Color in STEM - Eye of the Storm: #WOCin STEM Leading Post-Hurricane Recovery. *Vanguard STEM*
24. April 6, 2018 - Being a Woman in Science Is Hard. That’s Why We’re Trying to Change It. *Slate*
25. March 20, 2018 - One Scientist’s Quest to Improve Science Education in Puerto Rico. *Got Science? Union of Concerned Scientists podcast*
26. March 14, 2018 - Yale and Puerto Rico group receive federal grant to strengthen science education following natural disasters. *Yale News*
27. March 7, 2017 - Boricuas exitosas en carreras STEM. *Primera Hora*
28. January 30, 2018 - Rebuilding Puerto Rico May Help Improve Science Education. *Voice of American Blog*
29. December 29, 2017 - Rebuilding Science Education in Puerto Rico. *Scientific American*
30. November 13, 2017 - El impacto de Huracanes Irma y María en la investigación. *Biología Boricua podcast*
31. March 7, 2017 - Boricuas exitosas en carreras STEM. *Primera Hora*
32. January 6, 2017 - In Conversation with Daniel Colon-Ramos and Giovanna Guerrero-Medina. *Yale Spectrum podcast*
33. June 8, 2016 - Meet a scientific community manager. *Trellis, AAAS*
34. October 27, 2016 - Oportunidad para científicos jóvenes. *El Nuevo Día*

35. August 17, 2016 - Junte inédito de ciencia, empresa e inversión. *El Nuevo Día*
36. March 21, 2016 - Cumple 10 años Ciencia Puerto Rico. *El Nuevo Día*
37. November 20, 2015 - CienciaPR gets \$1.6M grant to develop science experts. *News is My Business*
38. November 19, 2015 - Crece la agenda de CienciaPR. *El Nuevo Día*
39. September 30, 2015 - White House recognizes Yale-led diversity initiative. *Yale Daily News*
40. February 19, 2015 - Yale launches minority outreach program in STEM. *Yale Daily News*
41. February 12, 2015 - Ciencia Puerto Rico será el modelo para nueva iniciativa de Yale University. *Universia*
42. February 9, 2015 - Yale apuesta al modelo de la red Ciencia Puerto Rico. *El Nuevo Día*
43. February 9, 2015 - Yale Ciencia Initiative to bring Yale science to the world. *Yale News*
44. October 10, 2014 - Ciencia a tu alrededor: Motivación para una nueva generación científica. *El Nuevo Día*
45. October 9, 2014 - Videos para atraer jóvenes a las ciencias. *El Nuevo Día*
46. October 8, 2014 - CienciaPR apuesta a la democratización del conocimiento científico. *Diálogo*
47. October 8, 2014 - Buscan despertar la curiosidad por las estrellas. *El Nuevo Día*
48. July 28, 2014 - Experts call for more cooperation between universities. *Exame*
49. June 14, 2014 - Live Q&A: Developing a Scientific Network to Improve Education. *iBiology*
50. January 31, 2014 - Online network compensates for Puerto Rico's brain drain. *SciDevNet*
51. January 9, 2014 - Ciencia Puerto Rico named model for science diversity. *News Is My Business*
52. December 11, 2013 - Clave la comunicación para el científico, advierten expertos boricuas. *El Nuevo Día*
53. October 23, 2013 - Un manantial del saber científico. *El Nuevo Día*
54. October 22, 2013 - Ciencia Puerto Rico estrena herramientas. *El Nuevo Día*
55. June 7, 2013 - Who Will Remake Puerto Rico for the 21st-Century Social Economy? *Forbes*
56. February 2, 2012 - Estudiantes puertorriqueños en EEUU se unirán para buscar soluciones a problemas de la Isla. *Universia*

JOB-RELATED TRAINING (selected)

May 8-9, 2019	Yale Great Manager Training Program, Yale University, New Haven, CT
Summer 2014	Yale National Academies Summer Institute (scientific teaching), Yale University, New Haven, CT
Spring 2013	Certificate in Non-profit Management (78 contact hours), University of Puerto Rico, Mayagüez
September 2010	Curriculum Development Workshop, Van Andel Education Institute, Grand Rapids, MI
July 24, 2008	Project Management, USDA Graduate School, Washington DC
August 2006 - May 2008	Emerging Leaders Program, HHS Competencies and Leadership Training, Washington DC
May 6, 2008	Gene Discovery, Genetic Methods and Complex Genetics, National Institutes of Health, Bethesda, MD
February 25, 2008	Introduction to the Principles and Practice of Clinical Research, National Institutes of Health, Bethesda, MD
March 23, 2007	Congressional Operations Seminar, The Government Affairs Institute, Washington DC

SUMMARY OF SKILLS

- Mentoring developing scientists
- Leading and managing teams

- Federal research funding expert
- Program development
- Grant writing
- Leading inclusive faculty recruitment process
- Scientific conference, symposia and event planning
- Strategic planning & program evaluation
- Lay and technical scientific writing
- Project management
- Science policy analysis
- Non-profit management
- Science outreach
- Experience with molecular and cell biology, techniques, concepts, and culture
- Fully-bilingual: English and Spanish; Can act as translator and interpreter
- Intermediate proficiency speaking, reading, and writing in French and Italian
- Excellent proficiency with Drupal, WordPress, SquareSpace, Mailchimp, social media apps, Qualtrics, Canva, AirTable, G-Drive+Apps, Excel, Microsoft Office
- Extensive knowledge of scientific funding and workforce databases