

# Julianne Miranda Bermúdez, DrPHc, MS

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*I am a highly motivated person, bilingual (Spanish and English), a politically savvy public health advisor with experience in managing projects as part of the Zika Response in Puerto Rico. I have excellent skills in communications with the public, politicians and decision makers. I maintain good relationships, am dynamic, responsible, creative, a good leader, collaborator and an excellent partnership builder. I have an exceptional organization, planning and problem solving skills.*

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## PERTINENT EXPERIENCE & INTERSHIP

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February 2017 – Present

### **Puerto Rico Science, Technology & Research Trust/Puerto Rico Vector Control Unit-Community Mobilization Program Supervisor**

Supervisor: Marianyoly Ortiz, PhD

**Description:** The Puerto Rico Vector Control Unit (PRVCU) is an initiative of the private non-profit organization the Puerto Rico Science, Technology, and Research Trust. The PRVCU was established to leverage Puerto Rico's capacity to control the *Aedes aegypti* mosquito, the vector for the diseases zika, chikungunya, and dengue in Puerto Rico. The PRVCU focuses on strengthening the capacity for vector control in Puerto Rico as well as implementing vector surveillance, creating innovative information systems, carrying out vector control operations, and boosting community engagement through citizen mobilization and education programs. At the present, I am the supervisor of the Community Mobilization Program with a team of five community mobilization specialists. As part of my role, I am coordinator of all the community engagement initiatives and partnerships of the PRVCU.

May 2016 – February 2017

### **Caduceus Healthcare/Centers for Disease Control and Prevention-Public Health Analyst Lead**

Supervisor: Angela Harris, PhD

*Project Manager:* Integrated *Aedes aegypti* Vector Control Intervention in Caguas City, Puerto Rico to Prevent and Control Zika Virus Infections

**Description:** The Centers for Disease Control and Prevention (CDC), the Puerto Rico Department of Health (PRDH), and Caguas Municipality have agreed to conduct an integrated vector control intervention to control the mosquitoes that transmit Zika virus, dengue virus, and chikungunya virus in approximately 150 communities in the urban area of Caguas municipality. The integrated vector control intervention include health education and outreach, source reduction, larviciding, and 90,000 non-insecticidal mosquito traps (three traps per house). At the present, I am the project manager of the intervention. As part of my role, I coordinated and provided educational sessions with more than 150 community leaders in the study area in collaboration with the Caguas municipality. I work directly with CDC employees to develop different documents such as Memorandum of Understanding (MOU), informed consent, factsheets and handouts for the community about the intervention. I am the liaison between CDC, PRDH and policy makers in Caguas municipality. Also, I maintain an excellent communication with the Operations Manager (Contractor) to facilitate the process of the intervention, for example, link with the community leaders in the study area.

October 2014-June 2015

**Doctoral Internship**

**Research Project: “Public Policy Aspects of Environmental Control of Dengue and Chikungunya Viruses”**

**Phase 1: Dengue Branch of the U.S. Centers for Disease Control and Prevention (San Juan, PR)**

Supervisor: Roberto Barrera, PhD - Entomology and Ecology Activity/Division of Vector-Borne Diseases

**Description:** The nature of assignments during this internship was directly related to doing research regarding the Dengue and Chikungunya’s virus surveillance process of the mosquito population. Also, as part of the assignments, there was collaboration in field research to control the mosquito vector of Dengue and Chikungunya, the *Aedes aegypti*. I specifically collaborated and helped maintain the excellent conditions inside the mosquito colonies laboratory. This included, but was not limited to: preparing field materials (such as conditions of mosquito’s traps, revising the traps, counting and identifying the mosquitoes collected), setting traps to collect mosquitoes, periodically checking the traps and collecting specimens, preparing samples for viral identification; and helping maintain in good condition the mosquito colonies in the laboratory (for example, feeding the mosquitoes, separating the eggs and keeping them, hatching and rearing mosquito larvae).

**Phase 2: Office of Epidemiology and Investigation, Puerto Rico Department of Health (San Juan, PR)**

Supervisor: Brenda Rivera García, DVM, MPH – Director & State Epidemiologist/Office of Epidemiology and Investigation

**Phase 3: Auxiliary Secretary of Environmental and Public Health Laboratories, Puerto Rico Department of Health (San Juan, PR)**

Supervisor: Carlos M. Carazo Gilot, DVM - Auxiliary Secretary & State Veterinary/Auxiliary Secretary of Environmental and Public Health Laboratories

**Phase 4: Dengue Prevention Program of Auxiliary Secretary of Environmental and Public Health Laboratories, Puerto Rico Department of Health (San Juan, PR)**

Supervisor: Martha Patricia Cano Taleno, MD, MPH - Director of Dengue Prevention Program/Auxiliary Secretary of Environmental and Public Health Laboratories

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**EDUCATION**

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August 2012 – Present    **Doctor in Public Health-Environmental Health (DrPH), anticipated 2017**  
*Current Dissertation: Knowledge, attitudes and practices regarding vector-borne disease (Dengue virus, Chikungunya virus and Zika virus) in two communities in Caguas, Puerto Rico.*  
Graduate School of Public Health  
University of Puerto Rico-Medical Sciences Campus

June 2011                    **Master in Environmental Health (MS)**  
Graduate School of Public Health  
University of Puerto Rico-Medical Sciences Campus

May 2009

**Bachelor in Sciences (BS)**  
University of Puerto Rico, Río Piedras Campus

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## OTHER EXPERIENCE

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December 2015 – September 2016

**SePARE Program, Vega Baja Municipality**

Director: Javier O. Morales Nazario, MPH, CLE

*Evaluator*

**Description:** The Program mission is reduced the health inequalities that affect the maternal and child health through preventive services with a focus on health promotion, humanized care and developing health environments. My role in SePARE Program was the intern evaluator of the program. I created, kept and analyzed all the database of the program. I was at charge of the reports that we provided to the funds office in the municipality. I developed a presentation that we provided to the pregnant women regarding the importance of prevent mosquito bites that includes information about the Zika virus and the *Aedes aegypti* mosquito.

September 2015- June 2016

**Center for Public Health Preparedness, Medical Sciences Campus**

Principal Investigator: Ralph Rivera Gutiérrez, MSW, PhD

*Research Project: Development of a Crisis Standard of Care Plan for the Puerto Rico  
Department of Health*

*Funding: Department of Health of Puerto Rico Project Coordinator*

- Coordinated the Ambulatory Care Component
- Revised scientific literature corresponding to the project
- Coordinated and conducted interviews around Puerto Rico
- Organized, entered and analyzed information corresponding to the data collected
- Redacted and prepared progress reports, final reports and oral presentations
- Redacted a guide of Crisis Standard of Care for the Ambulatory Care Component

July 2015- November 2015

**COAI, Inc./Puerto Rico Department of Health**

Principal Investigator: José Mulinelli/ Sandra Miranda De León, MS

*Interviewer*

- Conduct interviews to drugs users in San Juan for the HIV Program of the Puerto Rico Department of Health.

January 2012- June 2015

**Center for Public Health Preparedness, Medical Sciences Campus**

Principal Investigator: Ralph Rivera Gutiérrez, MSW, PhD

*Research Project: Development of an Emergency Health Planning Model for Puerto Rico*

*Funding: Department of Health of Puerto Rico, #2014-DS0600. Research Coordinator*

*Research Project: Structural, Non-Structural and Functional Hazard and Vulnerability Assessment of Puerto Rico Medical Center Health Care Facilities*

*Funding: Department of Health of Puerto Rico, #2014-DS0583. Research Assistant*

*Research Project: Crisis Standards of Care*

*Funding: Department of Health of Puerto Rico, #2014-DS0583. Research Assistant*

*Research Project: Hazard vulnerability assessment of public health systems, medical and mental health services of Puerto Rico 2012-2013.*

*Funding: Department of Health of Puerto Rico, #2013-DS0383. Research Assistant*

*Research Project: Assessment of hospitals and community organizations that serve people experiencing homelessness in Puerto Rico.*

*Funding: Department of Health of Puerto Rico, #2012-DS0495. Research Assistant*

- Collaboration with the Puerto Rico Department of Health on specific inquiries to generate on-demand analysis. (For example, Emergency Health Planning Model and Hazard Vulnerability Assessment (HVA))
- Risk Assessment of natural disasters and epidemics/pandemics in Puerto Rico
- Adapted the HVA Instrument for analysis of public health systems, medical and mental health services of Puerto Rico
- Developed Natural Hazards Impact analysis for critical infrastructure and vulnerable populations
- Presented lectures to communicate results on graduate level courses
- Developed, coordinated and conducted interviews around Puerto Rico as part of the projects above. For example, we interviewed hospitals and community organizations that serve homeless people.
- Revised scientific literature corresponding to the projects above to know what project like this are done in and outside of Puerto Rico
- Built questionnaires in Questionnaire Development System (QDS)
- Organized, entered and analyzed information corresponding to the data collected
- Assist in redacting and preparing progress reports, final reports and poster publications
- Geodatabase generation and data extraction from GIS analysis

August 2009-May 2011

**University of Puerto Rico, Medical Sciences Campus**

Principal Investigators: Pablo A. Méndez Lázaro, PhD & José A. Norat Ramírez, PhD

*Research Assistant*

**Research Project: Urban Long Term Research Areas (ULTRA). National Sciences Foundation and US Forest Service**

- Database development of hydro-climatic data for climate change pattern analysis.
- Land use change and landscape transformation for the Río Piedras hydrological drainage basin.
- Conducted interviews in different communities in the Metropolitan area regarding rise sea level.

**Research Project: Land-use and impact coral reef in Northeastern Puerto Rico**

- Laboratory technician in the Microbiology area
  - Processing and analysis of water quality
  - Determination of bacterial presence

2008-2009

**U.S. Census Bureau**

Supervisor: Mrs. Loraida Santiago

*Field Technician*

- Update maps and directions for the U.S. Census 2010

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**OTHER INTERNSHIPS**

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March 2011-May 2011

***Master Internship***

***Research Project: “Recent evolution of the hydrological regime in Mediterranean rivers in Spain”***

Salamanca, Spain

Supervisor: José Martínez Fernández, PhD

“Centro Hispano Luso de Investigaciones Agrarias (CIALE)”

University of Salamanca

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**AWARDS, ACTIVITIES & PROFESSIONAL ORGANIZATIONS**

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**Choo Choo Train Day Care & More, Inc.**

2014-Present    Executive Secretary

**Puerto Rico Public Health Association**

2014-Present    Member

2015             Strategic Planning and Public Policy Committee Member

## University of Puerto Rico – Medical Sciences Campus

2012	First place for poster presentation “ <i>Recent evolution of the hydrological regime in Mediterranean rivers in Spain</i> ” at 32nd Annual Research and Education Forum MSC San Juan, PR, March 28-30, 2012.
2011	Honor Student and Leadership Award
2010-2011	Member of General Student Council
2010-2011	President Public Health Student Council
2009-2010	Vice-President Environmental Health Student Association

## Ocean Conservancy International Coastal Clean Up

2011	Organizer Committee – Laguna San José, San Juan, PR
2010	Organizer Committee – Parque La Esperanza, Cataño Puerto Rico

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### CERTIFICATIONS

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2012 – CITI Health Information Privacy and Security (HIPS) for Clinical Investigators

2012 – Human Subject Research Protection

2012 – (MGT-310): Threat & Risk Assessment Course

2012 – (MGT-315): Enhanced Threat & Risk Assessment Course

2013 – (IS-546.A): Continuity of Operations (COOP) Awareness Course

2013 – (IS-547.A): Introduction to Continuity of Operations

2013 – (IS-548): Continuity of Operations (COOP) Program Manager Train the Trainer Course

2014 – (IS-520): Introduction to Continuity of Operations Planning for Pandemic Influenzas

2014 – (IS-522): Exercising Continuity Plans for Pandemics

2014 – (John Hopkins): Introduction to Public Health Preparedness and Response

2014 – (CDC OSSAM GRSJ): Safety Survival Skills Pt 1: Gen. Responsibilities (SANJ)

2014 – (CDC OSSAM LAEF): Safety Survival Skills Pt 2: Laboratory Safety

2014 – (CDC OSSAM SSO OEP 2015): Occupant Emergency Plan Refresher FY2015

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### SKILLS

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- Computer Skills: Microsoft Office (MS Word, MS Power Point, MS Excel, MS Publisher), Arc Gis 9.3/10.0/10.1, Minitab, SPSS, Questionnaire Development System (QDS) and EndNote.
- Bilingual, capable of speaking and writing in English and Spanish. I also maintain good relationships, good diction and expression to the public, dynamic, responsible, creative, leadership, cooperative and timely, excellent communicator and partner-builder.

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## SYMPOSIUM & SEMINARS

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### **Project Investigation Workshop: Crisis Standards of Care in an Emergency of Public Health**

April 1, 2016, Verdanza Hotel, San Juan, Puerto Rico

Presenter: "Crisis Standards of Care in an Emergency of Public Health: Ambulatory Care Component"

### **Project Investigation Workshop: Socio-ecological modeling for monitoring *Aedes aegypti*: an application to the Metropolitan area of Panama**

August, 2015, San Juan, Puerto Rico

Collaborator

### **Project Investigation Workshop: Socio-ecological modeling for monitoring *Aedes aegypti*: an application to the Metropolitan area of Panama**

March 4-7, 2015, Panama City, Panama

Collaborator

### **3<sup>rd</sup> Private Sector COOP Pandemic Workshop (FEMA Puerto Rico)**

December 9, 2014, FEMA DC Caribbean, San Juan, Puerto Rico

Presenter: "Epidemics and Pandemic: Puerto Rico Public Health Perspective"

### **3<sup>rd</sup> Symposium on Emergency Preparedness and Disaster of Public Health: Threat, Vulnerability and Risk of Health Systems of Puerto Rico**

May 8, 2014, Embassy Suites Hotel, Isla Verde, San Juan, Puerto Rico

Presenter: "Epidemias y Pandemias: Amenazas silenciosas en Puerto Rico"

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## PUBLICATIONS

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Padilla-Elías, Nilsa; **Miranda-Bermúdez, Julieanne**; Algarín-Zayas, Gabriela; Peña-Orellana, Marisol; Rivera-Gutiérrez, Ralph; Nieves-Santiago, Alejandro; González-Sánchez, Juan; Castellanos-Vega, Mónica; Robles-García, Héctor. 2016. Vulnerable populations in the face of a disaster in Puerto Rico. *Caribbean Studies* 44 (1). Accepted for publication on March 31, 2016.

Méndez-Lázaro, P. A., Nieves-Santiago, A. & **Miranda-Bermúdez, J.** 2014. Trends in total rainfall, heavy rain events, and number of dry days in San Juan, Puerto Rico, 1955-2009. *Ecology and Society* 19(2): 50. <http://dx.doi.org/10.5751/ES-06464-190250>

**Miranda-Bermúdez, Julieanne**; Rivera-Gutiérrez, Ralph; Peña-Orellana, Marisol; Padilla-Elías, Nilsa. 2014. A look at the dengue virus in Puerto Rico from the focus of education and health promotion. *1<sup>o</sup> Congreso Internacional de Escuelas Promotoras de la Salud y el IX Taller Regional de Promoción y Educación para la Salud en el Ámbito Escolar y Universitario*. La Habana, Cuba. ISBN 978-959-18-0977-3.

Méndez-Lázaro, P., Nieves-Santiago, A., **Miranda-Bermúdez, J.** Rivera-Gutiérrez, R., Peña-Orellana, M., Padilla-Elías, N., Colón-Bosques, E., Rosario-Molina, L., Guzmán-González, P., Rodríguez, S., Rivera, A. & Alemán-Gaetan, M. Geographical focus of natural risk assessment and its possible impacts on public health in Puerto Rico: 1986-2011; en *Geografía de la salud sin fronteras desde Ibero América*. Accepted for publication on August 28, 2013.

Méndez-Lázaro, Pablo; Nieves-Santiago, Alejandro; Delgado-Rivera, Shirley; Prieto-Pulido, Paola; **Miranda-Bermúdez, Julieanne**. 2012. Effects of climate change in rainfall patterns in San Juan, Puerto Rico: last decades of the 20th century and beginning of the 21st century. Book Article: *Libro de Trabajos en Extenso Primer Congreso Latinoamericano de Ecología Urbana: desafíos y escenarios de desarrollo para las ciudades Latinoamericanas* /Almeida Leñero Lucia... [et.al.]; con colaboración de Alejandra Clar; Lorena Gómez; Vanesa Elizabeth Beserra; compilado por Jaquelina Tapia; dirigido por Ana Carolina Herrero. - 1a ed. - Gral. Sarmiento: Ecología Urbana, 2012. (1244-1250) 2155pp. ISBN 978-987-28177-1-8

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## POSTER PRESENTATIONS

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*Capacidad de respuesta en el manejo de cadáveres para diversas amenazas en Puerto Rico.* **Julieanne Miranda Bermúdez, MS**; Ralph Rivera Gutiérrez, PhD, MSW; Marisol Peña Orellana, MSc, EdD; Nilsa Padilla Elías MPA; Heriberto A. Marín Centeno, PhD; Pablo A. Méndez Lázaro, PhD; Gabriela A. Algarín Zayas, MPH; Alejandro Nieves Santiago, MS; Héctor Robles García, MPHE; Tomás Matos Rivera, MS; Mónica Castellano Vega, MS. Expo Estadísticas Caguas, PR. October 9, 2015.

*Development of an Emergency Health Planning Model for Puerto Rico.* **Julieanne Miranda Bermúdez, DrPHc, MS**; Heriberto A. Marín Centeno, PhD; Gary Hirsch, Ralph Rivera Gutiérrez, PhD, MSW; Marisol Peña Orellana, EdD, MSc; Nilsa Padilla Elías, MPA; Gabriela A. Algarín Zayas, MPH. 35th Annual Research and Education Forum MSC San Juan, PR. March 25-26, 2015.

*Plans for Crisis Standards of Care in Puerto Rico.* Nilsa Padilla Elías, MPA; Marisol Peña Orellana, EdD, MSc; Ralph Rivera Gutiérrez, PhD, MSW; Juan A. González Sánchez, MD, FACEP; **Julieanne Miranda Bermúdez, DrPHc, MS**; Gabriela A. Algarín Zayas, MPH. 35th Annual Research and Education Forum MSC San Juan, PR. March 25-26, 2015.

*Functional Vulnerability of Five Hospitals in Puerto Rico.* Gabriela A. Algarín Zayas, MPH; Ralph Rivera Gutiérrez, PhD, MSW, Marisol Peña Orellana, EdD, MSc; Ricardo López Rodríguez, Luis Suárez, José Martínez Cruzado, Christian Villalobos, Manuel Conde, Juan Rodríguez, Nilsa Padilla Elías, MPA; **Julieanne Miranda Bermúdez, DrPHc, MS**. 35th Annual Research and Education Forum MSC San Juan, PR. March 25-26, 2015.

*Aspectos Legales de una Emergencia de Salud Pública y la Responsabilidad Médica en Puerto Rico.* Roberto Aponte Toro, JSD, LLM, MA; Carlos Bardají Frisa, JD, LLM; Jesús Guites Pereira, BA; Marisol Peña Orellana, EdD, MSc; Nilsa D. Padilla Elías, MPA; Ralph Rivera Gutiérrez, PhD, MSW; **Julieanne Miranda Bermúdez, DrPHc, MS**; Gabriela A. Algarín Zayas, MPH. 35th Annual Research and Education Forum MSC San Juan, PR. March 25-26, 2015.

*Una mirada al virus del dengue en Puerto Rico desde el enfoque de la educación y promoción de la salud.* **Julieanne Miranda Bermúdez, MS**; Ralph Rivera Gutiérrez, PhD, MSW; Marisol Peña Orellana, MSc, EdD & Nilsa Padilla Elías, BA, MPA. 1º Congreso Internacional de Escuelas Promotoras de la Salud y el IX Taller Regional de Promoción y Educación para la Salud en el Ámbito Escolar y Universitario en La Habana, Cuba. 7 al 10 de abril de 2014.

*Respond capacity for the management of corpses in disasters situations in Puerto Rico.* **Julieanne Miranda Bermúdez, MS**; Ralph Rivera Gutiérrez, PhD, MSW; Marisol Peña Orellana, MSc, EdD; Nilsa Padilla Elías MPA; Heriberto A. Marín Centeno, PhD; Pablo A. Méndez Lázaro, PhD; Gabriela A. Algarín Zayas, MPH; Alejandro Nieves Santiago, MS; Héctor Robles García, MPHE; Tomás Matos Rivera, MS; Mónica Castellano Vega, MS. 34th Annual Research and Education Forum MSC San Juan,



PR. April 9-11 2014.

*Preparedness and response of mental health facilities in a disaster in Puerto Rico.* Gabriela A. Algarín Zayas, MPH; Ralph Rivera Gutiérrez, PhD, MSW; Marisol Peña Orellana, MSc, EdD; Nilsa Padilla Elías, MPA; Heriberto A. Marín Centeno, PhD; Pablo A. Méndez Lázaro, PhD; **Julianne Miranda Bermúdez, MS**; Alejandro Nieves Santiago, MS; Héctor Robles García, MPHE; Tomás Matos Rivera, MS; Mónica Castellano Vega, MS. 34th Annual Research and Education Forum MSC San Juan, PR. April 9-11 2014.

*Hazard Vulnerability Assessment of Puerto Rico's Public Health, Medical & Mental Health Systems.* Marisol Peña Orellana, MSc, EdD; Ralph Rivera Gutiérrez, MSW, PhD; Nilsa Padilla Elías, MPA; Heriberto Marín Centeno, PhD; Pablo A. Méndez Lázaro, PhD; Gabriela A. Algarín Zayas, MPH; **Julianne Miranda Bermúdez, MS**; Alejandro A. Nieves Santiago, MS; Héctor J. Robles García, MPHE; Tomás D. Matos Rivera, MS. 34th Annual Research and Education Forum MSC San Juan, PR. April 9-11 2014.

*Vulnerable population during a disaster in Puerto Rico.* Ralph Rivera Gutiérrez, PhD, MSW; Gabriela B. Algarín Zayas, MPH; **Julianne Miranda Bermúdez, MS**; Nilsa Padilla Elías, MPA; Pablo A. Méndez Lázaro, PhD; Marisol Peña Orellana, MSc, EdD; Heriberto A. Marín Centeno, PhD; Alejandro Nieves Santiago, MS; Héctor Robles García, MPHE; Tomás Matos Rivera, MS. 34th Annual Research and Education Forum MSC San Juan, PR. April 9-11 2014.

*Social vulnerability to tsunami risk in the Metropolitan Region of the Puerto Rico Department of Health.* Alejandro Nieves Santiago, MS; Pablo A. Méndez Lázaro, PhD; Marisol Peña Orellana, MSc EdD; Nilsa Padilla Elías, MPA; Ralph Rivera Gutiérrez, MSW, PhD; Heriberto A. Marín Centeno, PhD; Edwin Colón Bosque; Tomás Matos Rivera, MS; **Julianne Miranda Bermúdez, MS**; Gabriela A. Algarín Zayas, MPH; Héctor Robles García, MPHE. 34th Annual Research and Education Forum MSC San Juan, PR. April 9-11 2014.

*The challenge of a coordinated response in a disaster situation in Puerto Rico.* Nilsa Padilla Elías, MPA; Ralph Rivera Gutiérrez, MSW, PhD; Marisol Peña Orellana, MSc, EdD; Heriberto A. Marín Centeno, PhD; Pablo A. Méndez Lázaro, PhD; Gabriela A. Algarín Zayas, MPH; **Julianne Miranda Bermúdez, MS**; Alejandro Nieves Santiago, MS; Héctor Robles García, MPHE; Tomás Matos Rivera, MS; Mónica Castellano Vega, MS. 34th Annual Research and Education Forum MSC San Juan, PR. April 9-11 2014.

*Inventory of medical services in response to an emergency and/or disaster in Puerto Rico.* Héctor Robles García, MPHE; Marisol Peña Orellana, MSc, EdD; Nilsa Padilla Elías, MPA; Ralph Rivera Gutiérrez, MSW, PhD; Heriberto A. Marín Centeno, PhD; Pablo A. Méndez Lázaro, PhD; Gabriela A. Algarín Zayas, MPH; **Julianne Miranda Bermúdez, MS**; Alejandro Nieves Santiago, MS; Tomás Matos Rivera, MS; Mónica Castellano Vega, MS. 34th Annual Research and Education Forum MSC San Juan, PR. April 9-11 2014.

*Environmental justice and unequal distribution of environmental hazard in the Metropolitan Region of the Puerto Rico Department of Health.* Mónica Castellano Vega, MS; Ralph Rivera Gutiérrez, MSW, PhD; Marisol Peña Orellana, MSc, EdD; Nilsa Padilla Elías, MPA; Heriberto A. Marín Centeno, PhD; Pablo A. Méndez Lázaro, PhD; Gabriela A. Algarín Zayas, MPH; **Julianne Miranda Bermúdez, MS**; Alejandro Nieves Santiago, MS; Héctor Robles García, MPHE; Tomás Matos Rivera, MS. 34th Annual Research and Education Forum MSC San Juan, PR. April 9-11 2014.

*Riesgo, vulnerabilidad y capacidad de acogida/respuesta del Estado ante un desastre natural.* Pablo A.

Méndez Lázaro, PhD; Alejandro Nieves Santiago, MS; Ralph Rivera Gutiérrez, MSW, PhD; Marisol Peña Orellana, MSc EdD; Nilsa Padilla Elías, MPA; **Julianne Miranda Bermúdez, MS**; Edwin Colón Bosques; Lisandra Rosario Molina; Paula Guzmán González; Sulaine Rodríguez Sanabria; Antonio Rivera de León. 34th Annual Research and Education Forum MSC San Juan, PR. April 9-11 2014.

*Exposición de la infraestructura esencial a los riesgos naturales y su importancia en salud pública.* Edwin Colón Bosques; Pablo A. Méndez Lázaro, PhD; Mara Castro; Alejandro Nieves Santiago, MS; Lisandra Rosario Molina; Paula Guzmán González; Sulaine Rodríguez Sanabria; Ralph Rivera Gutiérrez, PhD, MSW; Marisol Peña Orellana, MSc EdD; Nilsa Padilla Elías, MPA; **Julianne Miranda Bermúdez, MS**. 34th Annual Research and Education Forum MSC San Juan, PR. April 9-11 2014.

*Vulnerabilidad y riesgo a los desastres naturales y su impacto en la salud pública de Puerto Rico.* Sulaine Rodríguez Sanabria; Paula Guzmán González; Pablo A. Méndez Lázaro, PhD; Edwin Colón Bosques; Lisandra Rosario Molina; Alejandro Nieves Santiago, MS; **Julianne Miranda Bermúdez, MS**; Ralph Rivera Gutiérrez, MSW, PhD; Marisol Peña Orellana, MSc EdD; Nilsa Padilla Elías, MPA. 34th Annual Research and Education Forum MSC San Juan, PR. April 9-11 2014.

*Patrones espaciales y temporales del dengue en Puerto Rico: Una amenaza continua.* Lisandra Rosario Molina; Pablo A. Méndez Lázaro, PhD; Paula Guzmán González; Sulaine Rodríguez Sanabria; Edwin Colón Bosques; **Julianne Miranda Bermúdez, MS**; Marisol Peña Orellana, MSc EdD; Nilsa Padilla Elías, MPA; Ralph Rivera Gutiérrez, MSW, PhD; Alejandro Nieves Santiago, MS. 34th Annual Research and Education Forum MSC San Juan, PR. April 9-11 2014.

*Retos en facilidades de salud de Puerto Rico para desarrollar un plan de descontaminación en masa.* Liza I. Millán Pérez, PhD; Ana M. Mercado Casillas, MSc; Iván García Muñiz, MS; Roberto Portela López, MD; Ralph Rivera Gutiérrez, PhD, MSW; **Julianne Miranda Bermúdez, MS**. 34th Annual Research and Education Forum MSC San Juan, PR. April 9-11 2014.

*Hospital challenges to addressing the needs of the homeless during a disaster in Puerto Rico.* Marisol Peña Orellana, MSc, EdD; Ralph Rivera Gutiérrez, PhD, MSW; Heriberto A. Marín Centeno, PhD; **Julianne Miranda Bermúdez, MS**; Lourdes A. Miguel Vázquez, MPH & Nilsa Padilla Elías, BA, MPA. 33rd Annual Research and Education Forum Medical Sciences Campus, University of Puerto Rico, Meeting the Challenges of a Changing Global Stage, March 13-15, 2013.

*Community organizations and homelessness during a disaster in Puerto Rico.* Nilsa Padilla Elías, BA, MPA; Marisol Peña Orellana, MSc, EdD; Ralph Rivera Gutiérrez, PhD, MSW; Heriberto A. Marín Centeno, PhD; Lourdes A. Miguel Vázquez, MPH & **Julianne Miranda Bermúdez, MS**. 33<sup>rd</sup> Annual Research and Education Forum Medical Sciences Campus, University of Puerto Rico, Meeting the Challenges of a Changing Global Stage, March 13-15, 2013.

*Recent evolution of the hydrological regime in Mediterranean rivers in Spain.* **Miranda Bermúdez, J., MS**, Martínez Fernández J., PhD, Méndez Lázaro, P., PhD. 32<sup>nd</sup> Annual Research and Education Forum MSC San Juan, PR, March 28-30, 2012.

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## REFERENCES

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Upon request.