



**UCC**

# Interdisciplinary Health & COVID-19 Research Expo

**March 31, 2023**

8:00 am - 4:00 pm

Fideicomiso de Ciencias, Tecnología e  
Investigación



**PRHSJ**  
Puerto Rico Health Sciences Journal



# UCC Interdisciplinary Health & COVID-19 Research Expo

## Daily Schedule

- **8:00 am** Registry & Breakfast
- **9:00 am** Opening Ceremony
- **9:30 am** Conference 1
- **10:00 am** Poster Competition
- **12:00 pm** Lunch
- **1:00 pm** Conference 2
- **2:00 pm** Awards Ceremony

**Conference 1:** *"Puerto Rico COVID-19 Variant Surveillance Initiative"* by Dr. Janice Lozada, Dra. Ednalise Santiago & Luis Acevedo.

**Conference 2:** *"Transcurso del COVID-19 y la respuesta en Puerto Rico"* by Dr. Melissa Marzán.





# UCC Interdisciplinary Health & COVID-19 Research Expo

## COVID-19 Expo Committee Members:

**Humberto R. Nieves Jiménez, MS3** (*Lead Coordinator*)

**Natalia N. Prats Figueroa, MS3**

**Bianca P. Meléndez Nieves, MS3**

**Jean C. Martínez Izquierdo, MS3**

**Natalie M. Machargo Carlo, MS3**

**Patricia S. Serrano Boett, MS3**

**Christian C. Colón Vega, MS3**

**Gerardo E. Sánchez Navarro, MS3**

**Manuel A. Colón Terrón, MS3**

**Rafael E. Morales Grimany, MS2**

**Javier A. Vélez Martínez, MS1**





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## Abstracts:

Poster Number	Presentation Title	Presenter
1	<b>Musculoskeletal and Rheumatic Symptomatology Assessment After COVID-19 Vaccination in the Puerto Rican Population</b>	Gerardo E. Sánchez-Navarro, BS; Humberto R. Nieves-Jiménez, BS; Christian C. Colón-Vega, BS; Kristina M. Medina-Agramonte, BS; Juan D. Mercado-Potes, BS; Giancarlo Piovanetti-Crespo, BS; Frances Ramírez de Arellano-Canetti, BS; Ricardo Rodríguez-Infanzón, BS; Ariana N. Vélez-Santiago, BS; Bárbara Riestra-Candelaria, Ph.D
2	<b>An Assessment of Stress Levels Among Vaccinated Patients with Psychiatric Disorders During COVID-19 Pandemic</b>	Fabiola I. Umpierre-Lebrón, BS; Angel M. Negrón-Pantoja, BS; Nina Alonso, BS; Gustavo Rivera-Rodríguez, BS; Luz N.Ramos-Vargas, PhD, MHS





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## Abstracts:

Poster Number	Presentation Title	Presenter
3	<b>A Demographic and Medical Study of a COVID-19 Vaccinated Puerto Rican Cohort</b>	Humberto R. Nieves-Jiménez, BS; Andrea Firpo-Pabón, BS; Sergio J. Báez-Juarbe, BS; Diego B. Buitrago-Villamizar, BSN; Jean Carlos G. Martínez-Izquierdo, BS; Juan D. Mercado-Potes, BS; Fernando A. Sánchez-Pérez, BS; Sebastián Portela-Colón, BS; Eric M. González-Morales, MD, MPH
4	<b>Effects of the COVID-19 Vaccine's Second Dose among Puerto Rican Men and Women: A Cross-sectional study</b>	Ginette González-Ramírez, BS; Maria V. Rios, MPH; Laura F. Gómez Guzmán, MPH; Luis Hernández-Rodríguez, BS; Natalia Martinez, BS; Bak-nin Choi, BS; Bianca Melendez, BS; Iris Parrilla-Boria, PhD
5	<b>Assessing the Influence of Chronic Diseases on Safety Perception and Precautions before and after COVID-19 Vaccination</b>	Jean A. Pérez-Verdejo, BS; Humberto R. Nieves-Jiménez, BS; Carlos V. López-Aquino, BS; Andrea B. Lastra Annexy, MPH; Julio C. Mantero, MS; Jorge J. Acevedo-Rico, BS; Daniela Medina-Camacho, BS; and David E. Rivera-Aponte, PhD





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6	<b>Addressing disparities in genomic surveillance for SARS-CoV-2 in Puerto Rico through multisector collaborations, summer 2021</b>	Fabiola Cruz-López, PhD, MPH; Vianca Aponte, BS; Karolane González, BS; Andrea Firpo, BS; Fabiola Fontanet-Jaime, BS; Tania Mitwalli, BS; Patricia Serrano, BS; Natalie Machargo, BS; Ernesto Vázquez, BS; Martin González; Kendall Billig, MPH; Nathan Grubaugh, PhD; David Rivera, PhD
7	<b>COVID-19 Vaccine Acceptance Among Puerto Rican Pregnant Females</b>	Camelia M. Del Valle-Torres, BS; Natalie M. Machargo-Carlo, BS; Sara S. Colón-Berríos, BS; Addyth Miranda-Valle, BS; Luar Rodríguez-Gálvez, BS; Sara Vendrell-González, BS; Juan Salgado, MD
8	<b>Systemic and Skin-related Conditions Identified in a COVID-19 Vaccinated Puerto Rican Cohort</b>	Humberto R. Nieves-Jiménez, BS; Andrea Firpo-Pabón, BS; Laura I. Ortiz-López, BS; Jean Carlos G. Martínez-Izquierdo, BS; Manuel A. Colón-Terrón, BS; Eric M. González-Morales, MD, MPH



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## Abstracts:

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9	<b>Severity of COVID-19 Infection and the Development of Long-Term Persistence of Olfactory and Gustatory Disorders in the Puerto Rican Population</b>	Kileisha G. Alicea-Ríos, BS; María Méndez-Valentín, BS; Fabiel Morales-Fontán, BS; Luis Hernández-Rodríguez, BS; Giancarlo Piovanetti-Crespo, BS; Isis E. Silvestrini-Bonilla, MD
10	<b>Exercise therapy to combat the post-acute sequelae of COVID-19</b>	Ángel S. Pagán Jiménez, BS; Natalie E. Bonvie-Hill, MSN; Brian P. Shapiro, MD; Tathagat Narula, MBBS, MD; Augustine S. Lee, MD; Bala Munipalli, MD; Amy L. Lockwood, RT; Patricia J. Mergo, MD; Elizabeth M. Johnson, MD; Isabel O. Cortopassi, MD; Scott A. Helgeson, MD; Igor A. Fernandes, PhD; Bryan J. Taylor, PhD





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11	<b>The Impact of COVID-19 Stay-At-Home Orders on Access to Healthcare Among Sexual Minorities Living in Puerto Rico</b>	Kyle Melin, PharmD, MSc; Iliá M Otero Cruz, MPH; Gilmery Betancourt Marrero, BS; Julio M. Babilonia Deynes, BEd; Nelly Conte Schmidt, EdD, BSPh; Souhail Malave Rivera, PhD, MSc; Carlos E. Rodríguez-Díaz, PhD, MPHE, MCHES
12	<b>Joint Pain Assessment and Comparability Following Pfizer-BioNTech and Moderna COVID-19 Vaccination</b>	Gerardo E. Sánchez-Navarro, BS; Humberto R. Nieves-Jiménez, BS; Juan D. Mercado-Potes, BS; Frances Ramírez de Arellano-Canetti, BS; Rafael Morales-Grimany, BS; Patricia S. Serrano-Boett, BS; Diego Buxeda-Lopez, BS; Bárbara Riestra-Candelaria, Ph.D



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13	<b>The Association of Covid-19 Second-Dose Side Effects with Pre-Existing Chronic Conditions in Puerto Ricans Aged 65 or Older</b>	Ginette Gonzalez-Ramirez, BSc; Laura Gomez-Guzman, MPH; Maria V. Rios, MPH; Bak-nin Choi, BSc; Rocio K Vega-Roman, BSc; Stephanie A. Quetglas, BSc; Natalia Martinez, BSc; Gabriel I. Figueroa-Martínez, BSc; Luis D. Oller Payano, BSc; Sebastian Portela, BSc; Kelly L. Rivera Escobar, BSc; David E. Rivera-Aponte, PhD
14	<b>SARS CoV-2 spike protein mediated cardiomyocyte fusion as a mechanistic explanation of Cardiovascular Abnormalities</b>	Brian Monge Barrios, BS; Quinlan Mewborne, BS; Jay Schneider, MD, PhD





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15	<b>Different COVID-19 Vaccines and their Effects on Menstruation in the Puerto Rican population</b>	Bianca Meléndez-Nieves, B.S.; Natalia Prats-Figueroa, B.S.; Fabiola Umpierre-Lebron, B.S.; Myrmarie Cruz-Perez, B.S.; Christopher Arnold-Suarez, B.S.; Gabriel Figueroa-Martinez, B.S.; Hector Munoz-Miro, B.S.; Alexandra Cruz-Serrano, B.S.; Maria Santos-Ortiz, B.S.; Alfonso-Serrano, MD FACOG-FACS
16	<b>COVID-19 and the Deaf Community: A Human Rights Issue</b>	Fabiola Fontanet-Jaime, BS; Luis E. Hernández Rodríguez, BS; Fabiola Ramos Guzmán, BS, JD; Tania Mitwalli, BS; Addyth Miranda Del Valle, BS; Andrea Firpo Pabón, BS; Maricarmen Cruz-Jiménez, MD, FAAPMR
17	<b>Women Living with Children in Puerto Rico During the Pandemic: Socioeconomic Problems, Life Disruption, and Health-Related Challenges</b>	Valerie M. Marrero-Acosta, HSDG; Eduardo Cumba-Avilés, PhD; Demivette Gómez-Rivera, BA; & Paola M. Rivera-Arroyo, HSDG



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18	<b>A Report on Adverse Reactions and Perceived Intensity Following Third Dose mRNA COVID-19 Vaccination</b>	Humberto R. Nieves-Jiménez, BS; Ernesto J. Vázquez-Nevárez, BS; Claudia I. Colón-Farrulla, BS; Manuel A. Colón-Terrón, BS; Giancarlo Piovanetti-Crespo, BS; Adriana B. Sanjenís-Marrero, BS; María C. Santos-Ortiz, BS; Patricia S. Serrano-Boett, BS; Rafael E. Morales-Grimany, BS; Isis Silvestrini, MD
19	<b>The effects of the pandemic-induced transition to online learning on Hispanic medical students' sleeping habits</b>	Nikki López Suárez, BA; Claudia Pérez Draper, BS; Valerie S. Chaloka, BS; Francisco Lladó, PharmD; Mario Marcé, BS; Genesis Padilla, BS; Solianne Martinez, PhD
20	<b>An analysis: Caregivers' level of education and its potential influence on their decision to vaccinate children against COVID-19</b>	Gisselle M. Freytes Terrada, BS; Addyth G. Miranda Valle, BS; Sara S. Colón Berríos, BS; Tania Mitwalli, BS; Lleyanne, P. Rivera Rivera, BA; Natalia N. Prats Figueroa, BS; Bianca P. Meléndez Nieves, BS; Natalia M. Martínez Rodríguez, BS





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21	<b>Infants' Outcomes After Intrauterine Covid-19 Exposure In Puerto Rico</b>	Gabriela Ortiz-García, Paola Rivera-Dilán, Jetzabeth Torres-Dávila, Milangelis Machuca-Rodríguez, Ivette Bustelo-Ortiz, Patricia Morales-Iglesia, Inés García-García MD FAAP, Juanita Negrón-Pagán MD FAAP, Leticia Gely-Rojas MD FAAP, Lourdes García-Tormos EdD CCC-SLP BCS-S, Norma Claudio-Figueroa MD FAAP, Lourdes García-Fragoso MD FAAP
22	<b>Impact of the COVID-19 Pandemic on the Mental Health of Socially Vulnerable Youths (10–24 y/o)</b>	Stephanie A. Quetglas Cancel, BSc; Tani M. O'Neill Galanes, BSc; Karolane A. González González, BSc and Gustavo Flores Buonomo, BSc





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23	<b>Encouraging Early Research Involvement for Medical Students: A Blueprint Concept Developed During the COVID-19 Pandemic</b>	Humberto R. Nieves-Jiménez, BS; Waleska Crespo-Rivera, DrPH, MHSA
24	<b>The Impact of the Covid-19 Pandemic on the Presentation of Colorectal Cancer</b>	Sebastián A. Henríquez López, BS; Maralexa Martínez Valcárcel, BS; Alexandra Schoene Ruiz, MD; Sebastian Castañer Colberg, MD; Guillermo Bolaños Ávila, MD FACS; Nicole Muñoz, PhD
25	<b>Evaluating Musculoskeletal &amp; Rheumatic Symptomatology in Different Age and Sex Groups After COVID-19 Vaccination</b>	Gerardo E. Sánchez-Navarro, BS; Humberto R. Nieves-Jiménez, BS; Christian C. Colón-Vega, BS; Ricardo Rodríguez-Infanzón, BS; Ariana N. Vélez-Santiago, BS; Kristina Medina-Agramonte, BS; Bárbara Riestra-Candelaria, Ph.D



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26	<b>Potential Influence of Puerto Rican Political Parties Concerning COVID-19 Vaccine Hesitancy</b>	Pedro J. Rodríguez-Ramírez, BS; Humberto R. Nieves-Jiménez, BS; Patricia S. Serrano-Boett, BS; Gisselle M. Freytes-Terrada, BS; Gerardo E. Sánchez-Navarro, BS; Luis D. Oller-Payano, BS; Andrea Firpo-Pabón, BS; Amanda G. Rodríguez-Cancio, BS; Rolando A. Mena-Ventura, BS; Waleska Crespo-Rivera, DrPH, MHSA
27	<b>Effects of COVID-19 Vaccination in a Puerto Rican Cohort of HIV-positive Hispanics</b>	Ginette González-Ramírez, BS; Laura Gómez Guzmán, MPH; Natalia M. Martínez Rodríguez, BS; María Ríos Rivera, MPH; Rocío K. Vega Román, BS; Tania Mitwalli, BS; Luar A. Rodríguez Galvez, BS; Fabiola Fontanet Jaime, BS; Paola Campillo, BS; Sara Díaz Méndez, BS; Laura Díaz Méndez, BS; Dr. David E. Rivera Aponte, PhD; Angel Mayor, MD





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28	<b>Increased incidence of cutaneous reactions following Pfizer-BioNTech, and Moderna COVID-19 vaccine administration reported in the adult population with pre-existing dermatological conditions in Puerto Rico</b>	Pamela A. Merheb-Finianos BS; Laura I. Ortiz-Lopez BS; Luar A. Rodríguez-Gálvez BS; Amanda Rodríguez-Cancio BS; Fabiola M. Fontanet-Jaime BS; Gisselle M. Freytes-Terrada BS; Andrea Firpo-Pabón BS; David E. Rivera-Aponte PhD
29	<b>Prevalence of Endocrine and Respiratory Diseases in a COVID-19 Vaccinated Hispanic Cohort</b>	Humberto R. Nieves-Jiménez, BS; Andrea Firpo-Pabón, BS; Jean C. Martínez-Izquierdo, BS; Diego B. Buitrago-Villamizar, BSN; Juan D. Mercado-Potes, BS; Sergio J. Báez-Juarbe, BS; Manuel A. Colón-Terrón, BS; Javier A. Vélez-Martínez, BS; Sebastián Portela-Colón, BS; Eric M. González-Morales, MD, MPH





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30	<b>Mammary and Axillary Lymphadenopathy post COVID-19 Vaccination in the Puerto Rican Population</b>	Maillim I. Ortiz López, BS; Andrés I. Gorbea Dolagaray, BS; Sergio M. Aymat Sánchez-Vahamonde, BS; Gabriel O. Camareno Soto, BS; Elyette M. Lugo Quiñones, BS; Daniel E. Del Toro Pedrosa, BS; Nora E. Núñez Peña, BS; Luis J. Méndez Rosa, BS; María D. Díaz Rosario, BS; Adrián G. Giraldo Rodríguez, BS; Bárbara L. Riestra Candelaria, PhD



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## Evaluation: UCC Interdisciplinary Health & COVID-19 Research Expo



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