

CHALLENGES TO
**RESEARCH,
EDUCATION &
HEALTH SERVICES**
IN THE VIRTUAL ERA



PROGRAM

42ND ANNUAL
RESEARCH AND EDUCATION FORUM
MARCH 30, 31 & APRIL 1ST, 2022
VIRTUAL MODALITY

MEDICAL SCIENCES CAMPUS
UNIVERSITY OF PUERTO RICO





Published 2022

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RECTORA DEL RECINTO CIENCIAS MÉDICAS

Me complace darles la bienvenida al 42do Foro Anual de Investigación y Educación del Recinto de Ciencias Médicas de la Universidad de Puerto Rico; “Retos de la investigación, Educación y Educación”. Como institución académica de vanguardia, reconocida por la excelencia en la educación de las Ciencias de la Salud y la Investigación Biomédica celebramos este Foro como vehículo y oportunidad para nuestros investigadores, facultad y estudiantes compartir los hallazgos de sus estudios. Este evento además sirve de punto de encuentro para intercambio de ideas innovadoras e iniciar nuevas colaboraciones dentro de nuestro Recinto y con otras instituciones universitarias de la Isla. En esta ocasión, el Foro destacará las importantes contribuciones de la comunidad universitaria en el ámbito de la salud en estos tiempos donde la comunicación virtual nos presenta nuevas oportunidades.

La ciencia ha asumido un destacado desempeño en el quehacer social y cada día alcanza mayor relevancia en nuestra cotidianidad. En el campo de la salud, sus avances y hallazgos maximizan nuestras expectativas de vida, disminuyen la morbilidad y mortalidad y contribuyen a incrementar nuestra calidad de vida. Sobre todo, se ocupa de investigar y proponer soluciones a los desafíos y preocupaciones de salud, que representan la reaparición y surgimiento de enfermedades, las complicaciones y resistencia a tratamiento de otras, así como las respuestas del organismo humano.

En este ejercicio incesante, la investigación científica tiene un rol esencial. No sólo en el fragor sin tregua por preservar la salud y prolongar la vida humana, sino en la totalidad de los procesos sociales. Desde nuestros tratamientos médicos hasta nuestro desarrollo económico, encontramos un importante vínculo con los conocimientos generados por la ciencia. La investigación científica, por lo tanto, es una de las piedras angulares de la vida de nuestras sociedades del siglo XXI.

Contamos con proyectos que han sido eje y motor para el desarrollo de nuevos investigadores y de oportunidades para profesores deseosos de entrar en este campo, entre estos, RCMI, la ALIANZA, INBRE y la Colaboración para la Excelencia en Investigación de Cáncer entre la UPR y el Centro de Cáncer de MD Anderson de la Universidad de Texas, todos subvencionados por los Institutos Nacionales de la Salud (por sus siglas, NIH).

El Recinto de Ciencias Médicas, como institución de educación universitaria de primer orden, cuenta con 45 programas únicos que no se ofrecen en otras universidades en Puerto Rico. En el Foro también se presentan modelos de innovadores en la educación. Uno de los programas que ha colaborado significativamente a avances del Recinto en la utilización de herramientas digitales lo es el Proyecto Título V.

Una gran ilustración de este importante desempeño de la investigación es como nuestros investigadores clínicos, epidemiológicos y científicos realizan una vital aportación en la toma de decisiones durante la actual pandemia del COVID-19. La estrecha colaboración entre el sector de la investigación y profesionales de la salud ha permitido un sorprendente conocimiento del agente patógeno, causante de esta enfermedad, en poco tiempo.

Nuevamente, bienvenidos a este importante encuentro de trabajo exhaustivo, hacia nuevas direcciones que redunden en beneficio de la salud de nuestra población y el avance de la ciencia.

Ilka C. Ríos Reyes, DMD, MS
Rectora



DECANA ASUNTOS ACADÉMICOS

Me place darles la bienvenida a la cuadragésima segunda (42^{da}) edición del **Foro Anual de Investigación y Educación**. Alineado con la misión institucional de promover la investigación y la educación en el campo de las ciencias de la salud, el Foro constituye el principal evento académico-investigativo en este recinto universitario. El Foro brinda la oportunidad para que el estudiantado, la facultad e investigadores del campus y de otras instituciones académicas y de investigación en Puerto Rico y del exterior, intercambien y debatan sobre nuevos conocimientos empíricos que informen la teoría y la práctica del quehacer académico e investigativo.

El programa científico en gran medida representa parte de la agenda académica, de investigación y de servicios que tuvieron su haber en tiempos recientes, en el entorno histórico de la pandemia de COVID-19. Por segundo año consecutivo, el Foro se lleva a cabo en modalidad virtual. Por lo cual, el programa está compuesto de sesiones plenarias en modalidad sincrónica; y sesiones orales virtuales y de Poster, ambas en modalidad asincrónica. En esta edición se abordará el tema **Retos de la investigación, educación y servicios de la salud en la era virtual**, a través de las diversas voces y experiencias de un conjunto de expertos.

¡Les invito a participar, compartir, aprender y disfrutar de esta variedad de conocimientos y saberes que provee este evento científico, único en nuestro Recinto!

Cordialmente,

Juanita E. Villamil Silvey, D.M.D., FPFA, FICD
Decana Interina
Asuntos Académicos

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Mr. Gerardo E. Vélez-Pérez
Production Technician, RCM Online
Deanship for Academic Affairs

PROGRAM

WEDNESDAY, March 30, 2022

Virtual Modality

8:30 am. – 9:00 am.

OPENING SESSION

Synchronous Modality



Master of Ceremonies

Yesenia M. Acevedo Rivera
Executive Secretary
General Student Council

Welcome Remarks



Ilka C. Ríos-Reyes, DMD, MS
Chancellor
Medical Sciences Campus
University of Puerto Rico



Juanita Villamil-Silvey, D.M.D., FPFA, FICD
Interim Dean of Academic Affairs
Medical Sciences Campus
University of Puerto Rico

9:00 am. – 10:00 am.

PLENARY SESSION I-A: The View from NIH: Many Challenges, Many Opportunities

Moderator



Dipak K. Banerjee, Ph.D.
Professor
Department of Biochemistry
School of Medicine



Speaker

Lawrence A. Tabak, DDS, Ph.D.
Acting Director
National Institutes of Health
Bethesda, MD

10:00 am. – 11:00 am.

PLENARY SESSION I-B: Enseñanza híbrida, mixta y con población combinada: Metodologías pos COVID-19

Moderator



Luis E. Estremera De Jesús, EdD, MPHE
Assistant Professor
Deanship of Academic Affairs

Speaker



José R. Ferrer López, EdD
Director of Distance Education
Professor
University of Puerto Rico
Mayagüez Campus

11:00 am – 12:00 pm.



**Asynchronous Modality
Virtual Oral and E-Poster Session**

12:00 m. – 1:00 pm.

Lunch Break

1:00 pm. – 2:30 pm.



***Virtual Oral and E-Poster Session*
Asynchronous Modality**

2:30 pm. – 4:00 pm.
Synchronous Modality

PANEL SESSION II: La respuesta de la salud pública del COVID-19 en Puerto Rico y el Mundo

Moderator



José Seguinot Barbosa, PhD, JD, MA
Dean
Graduate School of Public Health

Speakers:



Mirando la salud con otros lentes: Covid-19 y desigualdad en Puerto Rico

Marinilda Rivera Díaz, MSW, PhD, MSc



Valores de Salud Pública y Liderato ante la Pandemia de Covid-19

Roberto Ramírez García, MHSA, PhD



Epidemiología del Covid-19 en Puerto Rico

Juan Reyes Pulliza, EdD, MS



El ciclo de vida y el impacto de la pandemia

Ana M. Parrilla Rodríguez, MD, MPH, FABM, IBCLC, FACCE, LCCE



Fundamentos bioéticos, consentimiento informado y el Principio Precautorio en la respuesta a la pandemia del Covid-19

Luis A. Bonilla Soto, PhD

Thursday, March 31, 2022

Virtual Modality

8:30 am. –11:00 am.

Synchronous Modality

PANEL SESSION III: Emerging Science and Promising Technologies to Advance Oral Health

Moderator:



Dr. Augusto R. Elías Boneta, DMD, MSD, DHC
Assistant Dean for Research
School of Dental Medicine
University of Puerto Rico

Keynote Speaker:



Rena N. D'Souza, DDS, PhD
Director, National Institute of Dental and Craniofacial Research,
National Institutes of Health



Integrating Research, Mentoring and Health Promotion, and the Virtual Era

Kaumudi Joshipura, BDS, MS, PhD,



Going beyond the oral microbiome: Integrating the oral ecology in multidisciplinary research projects

Evangelia Morou-Bermudez, DDS, MS, PhD



Mentoring of SDMUPR students in Academic Dental Careers

Damaris Molina Negrón, DMD, FAAPD



Jocelyn Medina, MA, PhD

11: 00 am. – 1:00 pm.
Synchronous Modality

Special Session

60th Annual Bailey K. Ashford Memorial Lectures
Role of Mosquito Immune Evasion in the Dispersal of
Ancestral Plasmodium Falciparum and Globalization of Malaria

Moderator



Nivia L. Pérez-Acevedo, MS, Ph.D.
Interim Associate Dean of
Biomedical Sciences and Director of Graduate Program
School of Medicine, MSC-UPR

**Program Keynote
Speaker**



Carolina V. Barillas Mury, MD, PhD
Chief, Mosquito Immunity and Vector Competence Section
Laboratory of Malaria and Vector Research
National Institutes of Health

12:00 m. – 1:00 pm.
Lunch Break



1:00 pm. – 2:30 pm.
Virtual Oral and E-Poster Session
Asynchronous Modality

2:30 pm. – 4:00 pm.
Synchronous Modality

PANEL SESSION IV: Retos en la Educación e Investigación
en la preparación de los profesionales de la salud ante la
pandemia: Lecciones aprendidas

Moderator:



Heriberto Rivera Rivera, EdD
Interim Associate Dean for Academic Affairs
School of Health Professions

Speakers:



Perspectiva en la prestación de servicios en la Clínica de Autismo de EPS

Nicolás Linares Orama, PhD



Perspectiva en la preparación clínica en el Programa de Asistencia Dental

Mirna L. Pacheco Rodríguez, EdD



Perspectiva en los proyectos de investigación

Elsa M. Orellano Colón, PhD, MSc, MOT, OTR/L, ATP

6:00 pm. – 8:00 pm Special Session



Onsite presentation
Jaime Benítez Amphitheater
Medical Sciences Campus

Book Presentation

Salud y Ambiente: Apuntes históricos de la salud ambiental en Puerto Rico (1898-2020)

Editores y Coautores:



Heriberto Torres Castro, PhD



José Seguinot Barbosa, PhD, JD, MA
Graduate School of Public Health

Friday, April 1, 2022

Virtual Modality

8:30 am. – 10:30 am.

Synchronous Modality

***PLENARY SESSION V: Quality Improvement: Essential
Actions for the 21st Century Health Care***



Moderator:

Ricardo L. García De Jesús, MD, FAAP
Assistant Professor
School of Medicine

Speakers:



Yasmín Pedrogo, MD, FAAP, MEdL
School of Medicine



Milagros Figueroa, RN, PhD, FCCM
School of Nursing



Elinette Albino, PhD, MS, MT(ASCP)
School of Health Professions



Nilka De Jesús, MD, MSc, FAAP
School of Medicine

11:00 am – 12:30 m.
Synchronous Modality

***PLENARY SESSION VI: Pharmacogenomics Studies in
Caribbean Hispanics from Puerto Rico: bridging the gap to
reduce healthcare disparities***

Moderator



José O. Colón Sáez, PhD
Assistant Professor
Pharmaceutical Sciences Department
School of Pharmacy

Speakers:



Jorge Duconge Soler, PhD, MSc, BSc Pharm
Assistant Dean of Research and Graduate Program
University of Puerto Rico School of Pharmacy

12:30 pm. – 1:00 pm.
CLOSING SESSION
Synchronous Modality

Moderator



Elinette M. Albino, PhD, MS, MT(ASCP)
Associate Professor
School of Health Professions

VIRTUAL ORAL SESSIONS

Although Virtual Plenary Sessions will be held synchronously, Virtual Oral and Poster sessions will be available asynchronously. The Forum's page will have direct access to the School's presentations, organized by abstract number. Forum participants will be able to access these presentations at any time, from March 30 until April 1. Forum participants will be able to choose presentations of interest and will also be able to submit questions to presenters. Presenters will respond through email at a later time. We hope this format provides participants ample time to enjoy the Forum's content and promote networking and discussion on important topics being worked on at Medical Sciences Campus' Schools and Deanships.

Graduate School of Public Health

ID	Abstract Title and Authors
4204	Association between cumulative duration of breastfeeding and breast cancer in the Atabey study Santiago García, Vilynette ; Ramos-Valencia, G.; Rosario-Rosado, R.V.
4280	Community outreach strategies to understand COVID-19 booster vaccination acceptance among adults in Puerto Rico: The Puerto Rico Community Engagement Research Alliance (PR-CEAL) Against COVID-19 Disparities Pons Calvo, Adriana ; Pérez-Cardona, Cynthia; Suárez-Pérez, Erick; García, Enid
4300	Prioridades en Salud en Tiempos de Adversidad: Resultados Foros Comunitarios de la Población Sin Hogar en Puerto Rico Acosta Pérez, Edna ; Miranda, Christine; Noboa, Carlamarie; Roubert, Mayra; Sánchez, Yashira; Sánchez, Marizaida; Ortiz, Glenda; Schleier, Valeria; Mora, Laura; Sánchez, Keishla Y.; Meléndez, Jean C.; Rodríguez, Francisco
4301	Comprensión de la preparación de la comunidad, barreras y facilitadores relacionados con COVID-19: Investigación de participación comunitaria en Castañer Puerto Rico Colón Colón, Marcilyn ; Acosta Pérez, Edna; Soto-Román, Zuleska; Martínez Piña, Heriberto; Rodríguez Ramos, José O.; Russell Orama, Robin
4306	Percepción de la efectividad del uso de telesalud en la adquisición de destrezas verbales y conductuales entre niños con autismo durante la pandemia de COVID-19. Berrios Toledo, Kyara ; Rodríguez Figueroa, Linnette; DaLuz Sant'Ana, Istoni

Graduate School of Public Health

ID	Abstract Title and Authors
4333	Diferencias por edad y sexo en el riesgo de complicaciones hospitalarias en pacientes admitidos por un infarto al miocardio Canales, Karelys ; Pérez, Cynthia M.; Pons Calvo, Adriana; Solís Torres, Norangelys; Tamarit Quevedo, Zaydelis; Colón-López, Vivian.
4342	Nivel de alfabetización digital entre los proveedores de servicio en Centros de Actividades y Servicios Múltiples en Puerto Rico Nazario Acevedo, Jaminette ; Correa Rivera, B.; Cruz Agosto, G.; Carrasquillo Rivera, M.; Núñez Maldonado, S.; Núñez Morales, A.; Rosario Rodríguez, E.; Rodríguez Figueroa, L.; Labault Cabeza, N.

School of Dental Medicine

ID	Abstract Title and Authors
4260	Three-dimensional Accuracy of Conventional versus Digital Strategies Complete Arch Impressions Blanco-Plard, Arturo ; Vargas, Nadyan; Hernández, Ana; Pino, Fernando

School of Health Professions

ID	Abstract Title and Authors
4270	Developing an Ecosystem to promote Global Health Equity between Africa and Latin America and the Caribbean through Public Private Partnership Soto de Laurido, Lourdes
4352	Retrospective Evaluation using Whole-Exome Sequencing as a Genetic Testing Approach in Puerto Ricans with Neurogenetic Complex Traits Albino, Elinette ; Carlo, Simon; Chapel-Crespo, Cristel; Santiago-Cornier, Alberto, Buxó, Carmen

School of Medicine

ID	Abstract Title and Authors
4211	Aflibercept for Treatment of Secondary Central Serous Chorioretinopathy in Patient with Myasthenia Gravis <i>Ramírez, Estefanía</i> ; Pappaterra-Rodríguez, Mariella; Puebla, Guillermo; Nieves, Ileana; Requejo, Guillermo A.; Oliver, Armando L.
4212	Risk Factors Leading to Evisceration or Enucleation in Patients with Endophthalmitis <i>Lugo, Ambar</i> ; Requejo, Guillermo A.; Montalvo, Lorena; Meléndez, Alexander; Álvarez, Samuel; López, Andrés; Ríos, Radamés; Villegas, Víctor; Oliver, Armando L.
4213	Characteristics upon Presentation of Herpes Simplex Virus Associated Uveitis Patients in the Hispanic Population <i>Ramos Sánchez, Raúl</i> ; Requejo, Guillermo A.; González, Natalia; Cotto, Agneris; Jiménez, Ashley; Pappaterra-Rodríguez, Mariella; Crespo, Marcos; Rivera, Erick; Oliver, Armando L.; Santos, Carmen
4214	Infectious Scleritis: A 30 Years Retrospective Study <i>Requejo, Guillermo</i> ; Santiago, Alejandra; Vázquez Valencia, Esteban; Rivera Román, Lilia; Báez Rivera, Emilio; Oliver, Armando L.; Santos González, Carmen
4221	Modelo de mentoría para monitoreo y asistencia técnica individualizada hacia el cumplimiento de objetivos de Programas de Gerencia de la Calidad <i>Piar Reyes, Mayra</i>
4226	Improving Access to Healthcare in 18-20 Year Olds: Development of a Legislative Project <i>Bosques Casillas, Carlo</i> ; Feliciano, Carlos; Pitre, Jonathan
4227	Mental Health Provider's experiences with Telehealth during the COVID-19 Pandemic <i>Subervi Vázquez, Alisha</i> ; Orengo-Aguayo, Rosaura; Martínez, Karen G.
4230	Human Papillomavirus Mediated Penile Cancer Overexpress NOTCH2 and JAG1 <i>Rivera López, Carlos</i> ; Sánchez-Vázquez, María M; Hernández-González, Andrés E.; Marcos-Martínez, María J.; Figueroa-Díaz, Jasmine; Pérez-Santiago, Josué; Lu, Xin; Chahoud, Jad; Zacharias, Niki; Puras-Báez, Antonio; Pettaway, Curtis; Martínez Ferrer, Magaly
4274	Riesgo de complicaciones hospitalarias en pacientes con enfermedad polivascular aterotrombótica <i>Ramos, Bárbara</i> ; M. Pérez, Cynthia; Suárez, Erick L., García Rivera, Enid J.

School of Medicine

ID	Abstract Title and Authors
4289	Proteomics and cytokine analysis of Host factors associated with COVID-19 disease severity in Puerto Rico Meléndez, Loyda; Cantres Rosario, Yadira; Rodríguez de Jesús Ana; Carrasquillo, Kelvin; Méndez, Loyda; Roche-Lima, Abiel; Cadilla, Carmen; Irizarry, Carmen; Cartagena-Isern, Luz; Daniel Casiano; Beltrán, Jorge

VIRTUAL ORAL SESSIONS

External Institutions

ID	Abstract Title and Authors
4207	Surgical Management of Thyroid Illnesses in Children Álvarez Torres, Edwin; Lugo-Vicente, Humberto <i>Pontificia Universidad Católica de Puerto Rico</i>
4215	Bilateral Acute Iris Transillumination Associated to Moxifloxacin/Antibiotic Use Guardiola, Gabriel; Ramos, Fabiola; Pappaterra-Rodríguez, Mariella; Requejo, Guillermo A.; Pérez, Alejandro; Santiago, Luis; Cintrón, Natalia; Llop Santiago, Stephanie M.; Méndez, Israel; Santos, Carmen; Oliver, Armando L. <i>Universidad Central del Caribe</i>
4217	Guía para el Desarrollo de Protocolos Culturalmente Sensibles Basados en Evidencia para el Enlace y Retención del Tratamiento del VIH Torres Báez, Lourdes <i>Puerto Rico Department of Health</i>
4243	Surveying race and racism in Puerto Rican medical education Martínez, Ramón; Nieves, Angélica; Martin, Alondra; Calderón, Delia; Mayol, Luis <i>Universidad Central del Caribe</i>

External Institutions

ID	Abstract Title and Authors
4250	Use of aspirin prophylaxis during pregnancy in Puerto Rico to prevent risk of preeclampsia: preliminary findings. Frontanes Heredia, Abymael; Bruckman Blanco, Wilmarie; Rodríguez Maldonado, Luis; Figueroa Maisonet, Lydia L.; Gely Rojas, Leticia; Fargas Berrios, Neichma; Caludio Figueroa, Norma; González Méndez, Ricardo; Arce Cardona, Sylvia; Torres Sotomayor, Jilibeth; Guzmán Vázquez, Joann; Lugo López, Karla S.; Fulcar Matos, Mayeline; García García, Inés; García Fragoso, Lourdes; García Tormos, Lourdes <i>Mennonite Cayey Hospital</i>
4276	Parental and Epidemiological Effects on Vertebral Malformations in The Puerto Rican Population Gordian Rivera, Eva; Santiago-Cornier, Alberto; Iriarte, Iván; Roubert, Mayra <i>Ponce School of Medicine and Health Sciences</i>
4283	Aberrant Lipid Metabolism and Alternative Macrophage Activation in Therapy-Resistant Prostate Cancer Barrientos Risso, Carla María; Martínez, Shannalee R.; Luis Gronau, Camila M.; Colón Vicentí, Lixamar; Díaz Osterman, Carlos J. <i>Ponce School of Medicine and Health Sciences</i>
4284	Cognitive and neuronal function improvement after Leukemia Inhibitory Factor treatment in HIV-Nef affected Animal Models Rivera-Crespo, Yamil; Román-Vega, R.; Kalil-Roldán, Alves J.; Inyushin, M. <i>Universidad Central del Caribe</i>
4296	An integrative multi-omics approach to understanding tumor biology in Puerto Rican men with prostate cancer Martínez, Shannalee; Dutil, Julie; Park, Jong Y.; Yamoah, Kosj; Díaz Osterman, Carlos J. <i>Ponce School of Medicine and Health Sciences</i>
4303	Epigenetic variations associated with aggressiveness and drug resistance in prostate cancer among Puerto Rican men Luis Gronau, Camila; Martinez, Shannalee R.; Colón Vicentí, Lixamar; Barrientos Risso, Carla M.; Ruiz Deya, Gilberto; Dutil, Julie; Berglund, Anders; Park, Jong Y.; Yamoah, Kosj; Díaz Osterman, Carlos J. <i>Ponce School of Medicine and Health Sciences</i>

External Institutions

ID	Abstract Title and Authors
4304	Loneliness and Death/Self-harm Thoughts during the COVID-19 Pandemic in Puerto Rico: Comparing Sociodemographic Groups Ortiz Domenech, Stephanie; Rivera-Santiago, Keilany; Cumba-Avilés, Eduardo; Pagán-Torres, Orlando; Rosario Hernández, Ernesto <i>University of Puerto Rico - Río Piedras Campus</i>
4310	Beliefs towards COVID-19 booster vaccination acceptance among immunized adults in Puerto Rico: Assessments of PR-CEAL López Cepero, Andrea; Cameron, Stephanie; Colón López, Vivian; Díaz, Adriana L.; Pagán, William; Tossas, Juan; Pérez, Cynthia M. <i>Emory University</i>
4316	Gender differences in behavioral and psychological impacts of the COVID-19 pandemic among adults in Puerto Rico: Assessments of the Puerto Rico Community Engagement Research Alliance (PR-CEAL) Against COVID-19 Disparities. Cameron Maldonado, Stephanie; Pérez, Cynthia M.; Díaz, Adriana L.; Pagán, William; Tosas, Juan; Colón-López, Vivian; López-Cepero, Andrea <i>University of Puerto Rico - Cayey</i>
4320	Targeting de novo fatty acid synthesis in enzalutamide resistant prostate cancer Colón Vicenti, Lixamar; Martinez, Shannalee R.; Barrientos Risso, Carla M.; Luis Gronau, Camila M.; Dutil, Julie; Díaz Osterman, Carlos J. <i>Ponce School of Medicine and Health Sciences</i>
4337	Functional Diversity: Community Health Priorities Need Assessment Within Puerto Rican Population Roubert Rivera, Mayra; Sánchez Colón, Yashira M.; Acosta Pérez, Edna; Sánchez Cesáreo, Marizaida; Hernández Vargas, Keishla Y.; Meléndez González, Jean C.; Miranda Díaz, Christine; Ortiz Torres, Glenda L.; Noboa, Carlamarie <i>Ponce School of Medicine and Health Sciences</i>
4338	Insidious-Onset Hepatothorax: A Rare Case Without Respiratory Symptomatology Maldonado Chaar, Sergio; Miró-González, Ángel A. <i>Ponce School of Medicine and Health Sciences</i>

External Institutions

ID	Abstract Title and Authors
4341	Comprobando la efectividad del “Science take-out kit” sobre los factores de riesgo de Cáncer de Seno en la comunidad puertorriqueña Núñez, Tsunami; Lorenzo, Kerely E.; Pellot, Victoria I.; Rivera, Alanis N.; Cardona Cordero, Nancy R. <i>University of Puerto Rico, Aguadilla Campus</i>
4348	Perceptions of Government Response to the COVID-19 Pandemic in Puerto Rico: Comparing Participants’ Assessments of Two Public Administrations Abreu Castro, Bianca; Cumba-Avilés, Eduardo; Rivera-Santiago, Keiliany; Pagán-Torres, Orlando; Rosario-Hernández, Ernesto <i>University of Puerto Rico, Río Piedras Campus</i>

VIRTUAL E-POSTERS SESSION

Although Virtual Plenary Sessions will be held synchronously, Virtual Oral and Poster sessions will be available asynchronously. The Forum's page will have direct access to the School's presentations, organized by abstract number. Forum participants will be able to access these presentations at any time, from March 30 until April 1. Forum participants will be able to choose presentations of interest and will also be able to submit questions to presenters. Presenters will respond through email at a later time. We hope this format provides participants ample time to enjoy the Forum's content and promote networking and discussion on important topics being worked on at Medical Sciences Campus' Schools and Deanships.

Graduate School of Public Health

ID	Abstract Title and Authors
4251	Panorama de los resultados adversos del embarazo relacionados a nacimientos en Puerto Rico Pabón Cruz, Karen ; Parrilla-Rodríguez, Ana M.; Gorrín-Peralta, José J.; Torres-Cintrón, Mariela.
4266	Evolución del perfil sociodemográfico del estudiantado de nuevo ingreso de la Universidad de Puerto Rico Recinto de Río Piedras, 2005-2021 Vázquez Flores, Jesús ; Díaz Ramos, Tatiana; Dávila Román, Ana Luisa
4285	A Formative Assessment For The Implementation Of An Educational Intervention To Increase COVID-19 Booster: The Puerto Rico Vaccine Uptake Study (PR-COVACUPS) García Seguí, Angélica ; Colón López, Vivian; Matos-Jiménez, Katherine; Torres-Irrizarry, Gabriella; López-Cepero, Andrea; Pérez-Cardona, Cynthia M.
4293	Training the Next Generation of Cancer Prevention and Control Researchers with a Cultural Sensitivity to Hispanic Populations Elías, Camila ; Soto-Salgado, Marievelisse; Ortiz-Ramos, Kevin J.; Rivera-Lugo, Mirza; Morales Sánchez, Kathleen N.; Tortolero Luna, Guillermo; Ortiz, Ana P.
4302	Reproducción en tiempos difíciles, características de las mujeres que dieron a luz, Puerto Rico: 2015 al 2020 Alvelo Colón, Génesis ; Dávila, Ana Luisa
4305	"Vaping", problemas de salud mental y conducta suicida entre estudiantes adolescentes en Puerto Rico Rodríguez Figueroa, Linnette ; Moscoso Álvarez Margarita R.; Reyes-Pulliza, Juan C.; Zayas-Martínez, Laura M.; Colón, Héctor M.

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4314	Prevalencia de Síntomas de Ansiedad, Depresión y Niveles de Estrés en Médicos y Enfermeros (as) laborando en P.R. durante la Pandemia de COVID-19 Sanz-Calixto, Ivanna ; Robles-Rivera, Alexandra I.; Reyes-Pulliza, Juan C.; Ramos Valencia, Gilberto
4322	Level of Empowerment of Parents or Caregivers of Children and Youth of the Family Leadership Training Program 2020-2021 Salas-Pagán, Carol ; López-Pérez Giannina; Alonso-Amador, Annie; Torres- Avillán, Ilia M.
4328	La pobreza infantil en Puerto Rico, 2015-2019: urge mirar más allá del umbral de pobreza general Báez Caraballo, Francelis ; León López, Luz E.; Santos Lozada, Alexis R.
4343	Características físicas de la vivienda Puerto Rico: 2015-2019 Delucca, Rahisa ; De Jesús-Monge, Vivianna
4344	La población que reside en las zonas costeras en Puerto Rico: indicadores de vulnerabilidad Torres Vilanova, Jim ; León López, Luz E.

School of Dental Medicine

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4202	Comparison of U1-Sn and Lip E-lines with Orthodontics Standards Soto Soto, Clarimar ; González-Carbonell, Andrea; López-Del Valle, Lydia; Rivas-Tumanyan, Sona.
4324	Identification of Organic and Inorganic Electron Donors for Nitrate Reduction in Salivary Bacteria Morales Morales, Jairelisse ; Febres-Cruz, Camila; Bencosme Velásquez, Ana; Joshipura Jinraj, Kaumudi; Morou Bermúdez, Evangelia

School of Pharmacy

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4203	Development of Glibenclamide Matrix Tablets Incorporating its Extended Release Solid Dispersion with Combined Polymeric Carriers <i>Dahiya, Sunita</i> ; Ruiz Colón, Kazandra
4257	Andrographolide altered inflammation pathways and cytokine expression in prostate cancer <i>Santiago, Mitzy</i> ; Erazo, Gabriela; Sánchez Vázquez, María; Cardona, Valerie; Roques, Yarelis; Martínez Ferrer, Magaly

School of Health Professions

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4201	Metástasis de adenocarcinoma de ovario en la vagina: Estudio de caso en paciente postmenopáusica de 71 años. <i>Avilés García, Paola</i> ; López-Rivera, Yadiris; Paz-Fustes, José; Noy-Malave, Miguel
4259	Health and Socio-Demographic Determinants Influencing Adherence and Access to Treatment for Hearing Loss in Puerto Rican Adults <i>Lugo-Vélez, Wanda</i> ; Santiago de Snyder, Soami; Pabon Cruz, Karen; Acosta Pérez Edna; Rivera-Febres, Cristina; Roche Miranda, Marcos
4278	Investigación Clínica y Traslacional: Logros de los Participantes y Contribución del Proyecto Título V Cooperativo a Futuros Investigadores <i>De Jesús Ojeda, Lizbelle</i> ; Irizarry-Ramírez, Margarita; Ruiz-Izcoa, Elaine; Rosado-Santiago, Edgardo L.; Soto-Santiago, Juan C.; Flores-Rivera, Efraín; Moscoso-Álvarez, José R.; García-García, Rubén

School of Medicine

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4200	COVID 19 and lung damage: Autopsy findings in an adolescent <i>Luna García, Paola</i> ; García De Jesús, R.; Llorens-Marín, C.; Correa-Rivas, M.

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4208	Multiple Evanescence White Dot Syndrome Following Administration of Human Papilloma Virus and Meningococcal Vaccines Rivera Figueroa, Laiza ; Pappaterra-Rodríguez, Mariella; Requejo, Guillermo A.; Ríos, Radames; Rivera Grana, Erick; Rodríguez, Eduardo; Oliver, Armando L.
4210	HLA-A29-Associated Retinal Vasculitis Without Choroidal Lesions Oliver, Armando ; Pappaterra-Rodríguez, Mariella; Amaral, Claudia; Muns, Sofía; Durán, Diego; Marrero, Víctor; Requejo, Guillermo; Marrero, Frances; De Jesús, Edgar; Riskalla, Mona M.; Ryan, Meghan; Koozekanani, Dara
4218	Unilateral Focal Retinitis Presentation of Cat Scratch Disease: A Case Report Santos Malave, David ; Pappaterra-Rodríguez, Mariella; Requejo, Guillermo A.; Oliver, Armando L.
4224	An Unusual Presentation of a Left Anterior Descending Coronary Artery Obstruction, a deadly disease Zorrilla Caballero, Frank ; González-Sánchez, Juan
4225	Collapsing Focal Segmental Glomerulosclerosis associated to Cytomegalovirus infection in an immunocompromised pediatric patient Morales Ramírez, Jeannette ; Crespo-Salgado, J.
4229	Changes In Health Care Workers Infection Control Behavior During The COVID-19 Pandemic Veléz Veléz, Johanna ; García-Fragoso, Lourdes; Reyes-Bou, Zayhara; García García, Inés
4231	Adolescent Male with Unusual Toxic Neuropathy after E-cigarette Liquid Ingestion Containing Synthetic Cannabinoids: A Case Report Rivera Dávila, Laura ; Moreda-Rivero, Claudia M.; Quiñones-Ramos, Ana; Rosario-Arroyo, Vianca; Pedrego-Rodríguez, Yasmín; Silva-Díaz, Débora; Delgado-Díaz, Rocío; Deliz-Roldán, Brenda; Silva Torres, Luz A.
4232	Attitudes Towards Vaccines of Pregnant Women Living in Puerto Rico Ferré, Mariana ; Quintana, Alexandra M.; Romaguera, Josefina
4233	Not just another Case of Vertigo: Importance of HINT Exam in the Emergency Department Durán Meléndez, Osvaldo ; Ramos-Fernández, María

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4236	Impact of Challenges Faced During COVID-19 Pandemic in the Wellbeing of Healthcare Workers <i>Vélez Vélez; Johanna</i> ; García-Fragoso, Lourdes; Reyes-Bou, Zayhara; García García, Inés
4241	Improving breastfeeding knowledge in the newly mother at the Nursery of the University District Hospital in San Juan, Puerto Rico <i>Moreda Rivero, Claudia</i> ; GarcíaPuebla, Ana
4244	Granulomatosis with polyangiitis as a mimicker of myeloproliferative disease <i>Ríos Rivera, Rafael</i> ; Báez, Laisha M.
4245	Assessment of Food Insecurity among patients with Inflammatory Bowel Disease in the University of Puerto Rico- IBD Clinics. <i>Cummings López, Rafael</i> ; Ramos-Tollinchi, Lizzie M., Castelblanco Agostini, Valeria; Soto González, Alondra; Torres, Esther A.
4247	Influenza vaccine acceptability among undergraduate and graduate students, and healthcare workers <i>Solís, María</i> ; Solís, Edgar; Esquilín, Inés O.
4248	Seronegative Inflammatory Oligoarthritis Secondary to Vitamin D Deficiency <i>Báez Negrón, Laisha</i> ; M. Vilá, Luis
4252	Impact of IBD on Daily Lives: A Descriptive Insight into Patient's Experience in the Work and Study Settings <i>Matos Jiménez, Fabiola</i> ; Colón-Terrón, Manuel A.; Nieves-Jiménez, Humberto R.; Torres, Esther A.
4253	Lower Income Levels in Puerto Ricans with IBD: A Sociodemographic Characterization of a Hispanic Cohort <i>Nieves Jiménez, Humberto</i> ; Peluyera-García, Alondra M.; Cuevas-Rodríguez, Sandra; Torres, Esther A.
4272	Severe Systemic Lupus Erythematosus Exacerbation following mRNA-based SARS-CoV-2 vaccination <i>Márquez, Suheiry</i> ; Santiago, Adianez; Ríos, Grissel; Rodríguez, Vanessa
4273	In COVID-19 Era, Are Parents Satisfied with Telemedicine For The Follow-UP On Infants Discharged From The Neonatal Intensive Care Unit? <i>Claudio, Jennifer</i> ; García Fragoso, Lourdes; Reyes Bou, Zayhara

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4275	Assessing the Need of Lactation Support via Telehealth as an Educational Tool to Maintain Exclusive Breastfeeding for the First Six Months of Life of Infants Born at the University District Hospital (UDH) Cardona Cruz, Adriana
4277	Human brain organoids as a model to study HIV-associated neurocognitive disorders. Medina Colón, Estefanía ; Cantres-Rosario, Yisel M.; Rodriguez, Elaine; Díaz, Bexaida; Miriam Matos; Wojna Muñiz, Valerie
4288	Comparison of demographic and clinical features of patients with confirmed and unconfirmed SARS-CoV-2 infection in a primary healthcare center in Puerto Rico Larriuz, María ; García Rivera ¹ , Enid J.; Ramos, Bárbara A.; Llegus, Eduardo M.; García, Julián E.; Morales, Maité; Rodríguez, Rocío; Tossas, Juan G.; Collazo, Militza; Solís, Edgar; Colón, Vivian; M. Pérez, Cynthia
4291	Interest, attitudes, and participation of Hispanics in Puerto Rico in COVID-19 trials: Results from PR-CEAL. Ramos Cartagena, Jeslie ; Pérez, Cynthia M.; Elías, Camila; Santiago Pérez, Gloriáliz G.; Bourginal Feliciano, Mariela; Pérez Villafañe, Omar; Santiago Marrero, Michael A.; Colón López, Vivian; Ortiz, Ana P.
4295	Nerve Muscle Damage Recovery Device Fernández Repollet, Emma ; Schwartz, Abraham; Laboy Morales, Diego; Nieves-Santiago, Ricardo; Frontera, Walter R.
4311	Neonatal Focal Choroiditis in Infant Born from COVID 19 Infected Mother: A Case Report Ortiz, Yazmín ; Pérez Torres, Raúl; Reyes-Bou, Zayhara; García Fragoso, Lourdes; García García, Inés E.
4312	Differences in Monocytes and Lymphocytes' glucose uptake in response to HIV-1 Tat protein in the presence of insulin. Álvarez, Jaylene ; Morales, Dariana; Gerena, Yamil
4313	Plasma Exosomes from HIV-Positive Women with HAND Induce Activation of Monocytes from HIV-Negative Women Donors Collazo Rodríguez, Bryan ; Negrón Rodríguez, Cristhian G.; Medina Colón, Juan C.; Orti Valentín, Lorivette; Cantres, Yisel; Rodríguez, Elaine; Wojna, Valerie; Gerena, Yamil

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4315	Use of Non-steroidal Anti-inflammatory Drugs (NSAIDs) as Single Agent for Postpartum Pain Management <i>Rivera Castro, Graciela</i> ; Pietri-Mattei, Keysha; Benzaquen García, Elena; Rosario-Vega, Nattalia; Gutiérrez-Mirabal, Pura; Medina Zayas, Josiel
4317	Impact of prenatal Diagnosis on Elective Termination of Pregnancy in Puerto Rican Population <i>Pietri Mattei, Keysha</i> ; Santos, Gabriel; Blundell Osori, Mónica; Colón, Cristina; de la Vega, Alberto
4326	Chronic Recurrent Multifocal Osteomyelitis: An Uncommon Cause of Limping. <i>Rosario Arroyo, Vianca</i> ; García Mateo, Ethyann; Esquilín Rivera, Inés
4334	Cardiovascular Disease and Precision Medicine in Caribbean Hispanic patients <i>Moneró Paredes, Mariangeli</i> ; Santiago, Ednalise; González, Edgardo; Núñez, Héctor; González, Ariel; Torres, Lorna; Renta, Jessica Y.; González, Lorena; Duconge, Jorge
4340	Acute Renal Infarction: Undiagnosed Abdominal Pain <i>Márquez Rosario, Michelle</i> ; Crespo-Mejías, Y.; Vilorio-Rodríguez, K.
4346	Education and low income as predictors of knowledge, attitudes, and practices regarding clinical research participation in Puerto Rico <i>García, Enid</i>
4350	Patient Experience and Perspective on Medical Cannabis as an Alternative for Musculoskeletal Pain Management <i>Claudio-Marciano, Alexandra</i> ; Mangual-Pérez, Danny; Tresgallo-Parés, Rubén; Ramírez-González, Manuel; Torres-Lugo, Norberto J.; Rivera-Dones, Asdrúbal; Rivera-Rodríguez, Gustavo; Lojo-Sojo, Luis

School of Nursing

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4237	Pre and Intraoperative Forced-Air Warming on Adult Patients Undergoing Surgical Procedures Requiring Anesthesia <i>Justo Durán, Anllely</i> ; García Jiménez, Ángel; Taylor, Nicoda; Figueroa Ramos, Milagros I.; Bonilla, José L.; Villar, Lilliana
4246	Experiences of Puerto Rican Healthcare Workers During the COVID-19 Pandemic: A Qualitative Approach <i>Díaz Ramos, Noemy</i> ; Álvarez, Carmen
4258	Preocupación de riesgo a caídas en la población de adultos de 65 años o más en Puerto Rico <i>González Caraballo, José</i> ; Pereira, Sherily
4294	Transversus Abdominal Plane (TAP) Block and Pain Management in the Obstetric Patient <i>Rodríguez, Juan</i> ; Miró, Alyssa; Mulero, Daniel; Mictíl, Giovanni; Bonilla, José L.; Figueroa-Ramos, Milagros I.
4307	Ketorolac Added to Lidocaine for Intravenous Regional Anesthesia in Upper Extremity Surgeries <i>Aponte Rodríguez, José</i> ; Román Santiago, Cristian; Bonilla, José L.; Figueroa Ramos, Milagros I.
4336	Sueño en el intensivo pediátrico: La experiencia de los niños <i>Ortega Martínez, Isamar</i> ; Figueroa-Ramos, Milagros I.

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4205	Altered sleep quality and related factors in a cohort of Hispanics with Inflammatory Bowel Disease in Puerto Rico. <i>Soto, Alondra</i> ; Díaz, Diego J.; Schmidt, Robert P.; Sánchez, Patricia; Centeno, Alexandra V.; Vergé, Nathalia P.; Martínez, Abner G.; Torres, Esther A. <i>University of Puerto Rico - Río Piedras Campus</i>

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4220	Assessment of the Availability of a Prehospital Pediatric Emergency Care Coordinator (PECC) and the Use of Pediatric Specific Equipment by Emergency Medical Services (EMS) Agencies at Puerto Rico During 2021 Arocho, Juan Pablo; Rivera-Dávila, Laura C.; Centeno Ramos, María E.; Martín Jiménez, Milagros B. <i>University of Puerto Rico, Cayey Campus</i>
4222	Guardianes de la Salud: Intervención Educativa Virtual contra el Mosquito <i>Aedes aegypti</i> ante la pandemia del COVID-19 Rivera Figueroa, Reinaldo; García-Zeno, Jania P.; Colón-Sanabria, Alice E.; Rodríguez-Quirón, Verónica M.; Marrero-Vázquez, Nicole M.; Saavedra-Hernández, Rafael A.; Miranda-Bermúdez, Julieanne; Ortiz-Ortiz, Marianyoly; Brown, Grayson C.; Crespo-Valentín, Luz A. <i>Puerto Rico Science, Technology and Research Trust - Puerto Rico Vector Control Unit</i>
4223	Estudio observacional del ciclo de vida del <i>Aedes aegypti</i> por estudiantes de escuela intermedia en Puerto Rico Colón, Alice; Miranda-Bermúdez, Julieanne; Rodríguez-Quirón, Verónica M.; Saavedra-Hernández, Rafael A.; Ortiz-Ortiz, Marianyoly; Brown, Grayson C.; Crespo-Valentín, Luz A. <i>Fideicomiso de Ciencia, Tecnología e Investigación de Puerto Rico</i>
4234	Miller-Fisher Syndrome and Chronic Lymphocytic Leukemia-Associated Paraneoplastic Syndrome with Unique Therapeutic Strategy Font Bocanegra, Luis; Sepúlveda Maldonado, Luis G.; Arroyo Arroyo, Jeditza <i>Hospital Buen Samaritano</i>
4242	Assesing Factors that Promote Successful Breastfeeding in the Neonatal Intensive Care Unit Olmo López, Cecilia; Moreda-Rivero, Claudia M.; Ortiz Berrios, Natalia; Nuñez Morales Cristina; García Tormos, Lourdes; García Frago, Lourdes <i>University of Puerto Rico, Rio Piedras Campus</i>
4249	B cell function in a preclinical model of HPV+ oropharyngeal cancer Castañón, Daniel; Galán Ortiz, Jorge; Dorta Estremera, Stephanie <i>San Juan Bautista School of Medicine</i>

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4254	Anatomical Survey in Patients with Chronic Pelvic Pain and Endometriosis Undergoing Surgical Management at a Teaching Hospital in Puerto Rico Zamora Olivencia, Débora; Marín Álvarez, Jeyka; Pereira, Andrea; Lozada, Yolianne <i>San Juan City Hospital</i>
4255	Knowledge of Analgesics and Anesthetics Used During Labor in Postpartum Hispanic Women Living in Puerto Rico Pelet, Indira; Fuentes, Yesenia; Angulo, Fabiola; Cruzado, Paulina; Marín Álvarez, Jeyka; Cruzado, Gustavo <i>San Juan City Hospital</i>
4256	Exercise Rate and Intervention among a Hispanic pregnant population in Puerto Rico Méndez, Ana; Marín Álvarez, Jeyka; Bernabé, Erika; Romaguera, Josefina <i>San Juan City Hospital</i>
4264	Natural compound PSP limits HIV-1 infection by modulating cytoskeletal activity through UPR signaling. Álvarez, Eduardo; Colón; Paola; Meléndez, Alexander; Franceschini, Angelisa; Nawal Boukli, M. <i>Universidad Central del Caribe</i>
4279	Covid 19 Vaccine Rate and Attitudes towards Booster among a Hispanic Pregnant population in Puerto Rico Nieves, Nilmar; Marín Álvarez, Jeyka; Pereira, Olga <i>San Juan City Hospital</i>
4287	Amyloid beta 1-40 expression in rat brain tissues after exposure 6-OHDA neurotoxin Roldán Kalil, Joshua; Vega Román, Rocío; Crespo Rivera, Yamil; Reyes Ortiz, Francisco; Alves, Janaina M.; Inyushin, Mikhail <i>Universidad Central del Caribe</i>

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4290	Validation of a Pharmacogenetic-guided Algorithm to Predict PRU Values in Caribbean Hispanics on Clopidogrel. López Reyes, Andrés; Duconge Soler, Jorge <i>University of Puerto Rico - Río Piedras Campus</i>
4297	Menopausal Symptoms, Hormonal and Non-Hormonal Treatment and Quality of Life among a Hispanic Population living in Puerto Rico Marín Álvarez, Jeyka; Borrero, Nivia; Bernabé, Erika; Ramírez, Yurizam <i>San Juan City Hospital</i>
4298	Retos y oportunidades a partir de la pandemia en comunidades migrantes en Puerto Rico Miranda, Christine; Noboa, Carlamarie; Acosta Pérez, Edna; Roubert, Mayra; Sánchez, Yashira; Sánchez, Marizaida; Ortiz, Glenda; Schleier, Valeria; Mora, Laura; Sánchez, Keishla Y.; Meléndez, Jean C.; Grullón, Romelinda. <i>Universidad Central del Caribe</i>
4299	Risk Factors and Quality of Life in Women 55 to 65 years old in Female with risk of developing Osteoporosis in Puerto Rico Esquilín, Marie Blanca; Marín Álvarez, Jeyka; Ramírez, Yurizam <i>San Juan City Hospital</i>
4325	A not so common cause of acute liver failure: a complication of Acute Myeloid Leukemia Núñez Morales, José; Rodríguez-Amador, Orlando MD1, Mirza, Zeyn MD1, Cortés-Sánchez, Carlos <i>VA Caribbean Healthcare System</i>
4327	Dysphagia Caused by a “Freak of Nature”: Dysphagia Lusoria Rodríguez Amador, Orlando; Mirza, Zeyn; Martin, José <i>VA Caribbean Healthcare System</i>
4329	Genes Associated with Cardiac Diseases in Puerto Rican Children with Non-Syndromic Orofacial Clefts Ocasio Gari, Sara; López, Lydia M.; Soto, Mairim; Buxó, Carmen J. <i>University of Puerto Rico, Bayamón Campus</i>

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4331	Decreasing Exposure to Antibiotics at Birth in Preterm Newborns Admitted to the Neonatal Intensive Care Unit (NICU) Bustelo, Ivette; López-Vallejo, Daniela; García García, Inés; García Fragoso, Lourdes <i>University of Puerto Rico, Cayey Campus</i>
4335	Diferenciales sociodemográficos de la población con discapacidad en Puerto Rico, 2015-2019 Muñoz Maurás, Ariana; León López, Luz E. <i>University of Puerto Rico, Río Piedras Campus</i>
4347	Health Humanities and Arts: "The Tabonuco (TABO-NEW-CO)" - A Transformative Psychosocial Educational Model for Mental Health and Wellness Ubiñas, Leticia; García, M.; Saavedra-Caballero, J.; Rodríguez, L.; De Jesús, M.; Olubukola, O.; Martínez, Y.; Negrón, R. <i>Instituto de Salud Inclusiva y Buen Vivir Inc.</i>
4349	The effect of Leukemia inhibitor factor in neuronal survival after HIV-g120 protein treatment in vitro Vega Román, Rocio; Crespo-Rivera, Y.; Roldán, J.; Inyushin, M.; Alves, J.M. <i>Universidad Central del Caribe</i>

