38th Annual Research and Education Forum MSC UPR
Special Edition

April 18-20, 2018

Commitment to Research and Education in the Face of Adversities

Program

http://foroannual.rcm.upr.edu
WELCOME MESSAGES

On behalf of the Organizing Committee and as an Interim Chancellor, it is my great pleasure to invite you to the 38th Annual Research and Education Forum of the Medical Sciences Campus of the University of Puerto Rico that will take place on April 18-20, 2018. We are proud to continue hosting this great annual event in which members of our academic community will have the opportunity to disseminate their scientific contributions.

This year’s theme: “Commitment to Research and Education in the Face of Adversities” invites us to reflect on the importance of continuing to investigate in spite of the difficulties sometimes experienced by the scientific community. This Forum’s special edition focuses on student contributions to research and education at the campus. The Annual Forum will offer a thought-provoking and stimulating scientific program and plenary sessions. The Forum provides great opportunities for students, researchers and educators to share their creative work and results.

I look forward to welcoming you.

Segundo Rodríguez-Quilichini, MD, FACS
Acting Chancellor, Medical Sciences Campus

We invite you to participate in the transcendental event of the Medical Sciences Campus in search of new knowledge, scientific advances and innovative strategies in the teaching processes that influence the training of health professionals for Puerto Rico.

On behalf of the Organizing Committee and as Interim Dean of Academic Affairs, it is an honor to invite you to participate in the 38th Annual Research and Education Forum of the Medical Sciences Campus of the University of Puerto Rico: “Commitment to Research and Education in the Face of Adversities”. This important event in health sciences and higher education brings together a diverse representation of leaders from the public, private sector, community entities, teachers and students working together to disseminate best practices in education, new developments in science, medicine, and public health in search of greater well-being for our society.

I look forward to welcoming you personally along with University Authorities and Organizing Committee of the 38th Annual Research and Education Forum of the Medical Sciences Campus of the University of Puerto Rico.

José Hawayek-Alemañy, MD
Acting Dean of Academic Affairs, Medical Sciences Campus
ORGANIZING COMMITTEE

Dr. José A. Capriles-Quirós  
Associate Dean of Academic Affairs

Prof. Luis E. Estremera-De Jesús, Chair  
Deanship for Academic Affairs

Prof. Daisy M. Gely-Rodríguez, Co-Chair  
Deanship for Academic Affairs

Dr. Edna E. Pacheco-Acosta  
Deanship for Academic Affairs

Dr. Ivelisse García-Meléndez  
Graduate School of Public Health

Dr. Nivia Pérez-Acevedo  
School of Medicine

Dr. Elinette M. Albino-Rodríguez  
School of Health Professions

Prof. Gloria Nazario-Pietri  
School of Dental Medicine

Dr. Carmen Mabel Arroyo-Novoa  
School of Nursing

Dr. José Colón-Sáez  
School of Pharmacy

TECHNICAL ASSISTANCE AND COLLABORATORS

Mr. Gastón Rodríguez-Ortiz  
Deanship for Academic Affairs

Ms. Solymar S. Solis-Báez  
School of Nursing

Mr. Javier O. Algarín-Ortiz  
Deanship for Academic Affairs

Dr. Jacqueline Flores-Otero  
School of Medicine
**WEDNESDAY, APRIL 18, 2018**

7:30 a.m. - 8:30 a.m.  
**REGISTRATION**  
Foyer Jaime Benítez Rexach Amphitheater

8:45 a.m. - 9:00 a.m.  
**Welcome and Opening**  
- Dr. José Hawayek-Alemañy  
  Acting Dean of Academic Affairs

9:00 a.m. – 12:30 p.m.  
**Oral Session A**  
School of Medicine  
Moderators:  
- Dr. Nivia Pérez  
- Dr. Jacqueline Flores Otero

1739 - Dendritic Cells Apoptosis and Pro Inflammatory Cytokines Reduction Driven by Fh12 Protein in the Presence of Bacterial Components  
**Presenter:** Mr. Caleb Ruiz-Jiménez

1791 - Increase in Incidence of Myelomeningocele in Puerto Rico Due to Ineffective Prevention Planning  
**Presenter:** Dr. Miguel A. Mayol Del Valle

1907 - Quality Improvement Project - Needs Assessment of Accurate Asthma Exacerbation Management in the Emergency Room at the University Pediatric Hospital  
**Presenter:** Mr. Carlos A. Flores

1989 - Maternal Hypertension as a Risk Factor for Severe Hypospadias  
**Presenter:** Mr. Esteban Tresgallo

2050 - Shifting Views on the Management of Disorders of Sex Development  
**Presenter:** Ms. Katiria A. Pintor Jiménez

2017 - Cortactin expression is driven by Wingless and neuronal activity to allow synaptic plasticity at the Drosophila neuromuscular junction  
**Presenter:** Ms. Carinhann M. Dominicci-Cotto

2124 - Pathological Distribution of Breast Cancer in Puerto Rico: A Comprehensive Analysis of Cancer Registry Data from 2010-2012  
**Presenter:** Dr. Mayrim V. Ríos Pérez

2171 - Mechanisms of resistance to Anti-EGFR/HER2 therapy in breast cancer  
**Presenter:** Ms. Paula R. Vigo-Morales

2149 - Development of a Transition of HealthCare Curriculum at the University of Puerto Rico’s Pediatrics and Internal Medicine-Pediatrics Residency Program  
**Presenter:** Mr. Guillermo Torres Viera

2072 - Sigma-1R antagonist (BD1047) prior to cocaine reduces cathepsin B secretion in HIV-1 infected macrophages in vivo and in vitro  
**Presenter:** Mr. Omar Vélez López

2203 - Regulation of Adaptive Immunity by 2-deoxyguanosine nanoparticles co-formulated with a chimeric DNA plasmid encoding for Vaccinia virus A27L antigen  
**Presenter:** Ms. Saritza Santos-Colón

2208 - Previous Immunity to Zika Modulates Dengue Infection Pathogenesis and Immune Response Kinetics in Rhesus Macaques  
**Presenter:** Mr. Erick Xavier Pérez-Guzmán

2103 - The Use of Scopoletin (SCOP) and Horseradish Peroxidase (hrPXase) to Measure the Reducing Power of Plasma  
**Presenter:** Dr. Sixto García-Castineiras

1851 - Adenosine A1-Dopamine D1 Receptor Heteromers Control the Excitability of the Spinal Motoneuron  
**Presenter:** Prof. Manuel E. Díaz-Ríos
12:30 p.m. to 1:30 p.m.  
BREAK

1:30 p.m. - 3:15 p.m.  
Oral Session B, School of Nursing  
Moderator:  
• Dr. Milagros Figueroa

1770 - The Occurrence of Delirium in Cardiovascular Surgical Patients  
Presenter: Ms. Elisabet Pérez Rodríguez

1816 - Estilos de Aprender de Estudiantes de Bachillerato en Ciencias de Enfermería y Preferencias por Prácticas de Enseñanza  
Presenter: Dr. Carmen A. Custodio Ortiz

1798 - Estimado del Dolor en Pacientes Sedados en Ventilador Mecánico  
Presenter: Mrs. Annibelle Suárez-Gómez

2003 - Las Experiencias Clínicas de los Estudiantes de Enfermería: Estudio de Caso hacia la Integración de la Mentoría  
Presenter: Dr. Ivelisse Rivera

1970 - Estimado de Dolor en Niños Conectados a Ventilación Mecánico en la Unidad Cuidado Intensivo  
Presenter: Ms. María A. Luna Rivera

1862 - Identifying Opioid and Benzodiazepine Withdrawal in Trauma Intensive Care Unit (TICU) Patients  
Presenter: Dr. Carmen Mabel Arroyo-Novoa

THURSDAY, APRIL 19, 2018

7:30 a.m. - 8:00 a.m.  
REGISTRATION  
Foyer Jaime Benítez Rexach Amphitheater

8:00 a.m. – 9:45 a.m.  
Oral Session C  
Graduate School of Public Health / Medicine

1724 - Development and Implementation of a LGBT Health Curriculum for Mental Health Providers in Puerto Rico  
Presenter: Mr. Alexis L. Laboy Almodóvar

2162 - Title: Hurricane Maria’s impact on long term care facilities in Puerto Rico: A Pilot Study  
Presenter: Mrs. Brena J. González

2060 - Estrategias de resiliencia para la recuperación post María en un programa de Medicina Interna  
Presenter: Dr. Yohana De Jesús-Berrios

2105 - Brigadas Salubristas: Iniciativa de trabajo Intersectorial y participación comunitaria académica.  
Presenter: Dr. Heriberto A. Marín Centeno

1707 - Setenta años despúes (1947-2018): Valoración de la situación de la profesión de Educación en Salud en Puerto Rico desde las voces de sus protagonistas  
Presenter: Dr. Hiram V. Arroyo

1759 - Public policy is needed for the prevention of childhood obesity in Puerto Rico  
Presenter: Dr. José A. Capriles-Quirós

10:30 a.m. - 12:00 m.  
Bailey K. Ashford Memorial Lecture, School of Medicine  
Speaker:  
• Dr. Mariano García Blanco  
University of Texas Medical Branch

12:00 p.m. to 1:00 p.m.  
BREAK

1:00 p.m. – 3:00 p.m.  
Poster Session  
La Veranda, Conrado F. Asenjo Library
FRIDAY, APRIL 20, 2018

7:30 a.m. - 8:30 a.m.
REGISTRATION
Foyer Jaime Benítez Rexach Amphitheater

8:30 a.m. – 9:45 a.m.
Oral Session D
Schools of Health Professions, Pharmacy, Medicine and Deanship for Academic Affairs
Moderators:
- Dr. Elinette Albino Rodríguez
- Dr. José O. Colón López

1746 - Making Assistive Technology Accessible for Community-Living older Hispanics with Functional Limitations: A Feasibility Study
Presenter: Ms. Edith M. López-Lugo

1786 - Patient Centered Medical Home in Federally Qualified Health Centers in Puerto Rico: Challenges and Opportunities
Presenter: Ms. Valeria M. Salgado Crespo

2193 - Effects of Summer Internship and Follow-up Distance Mentoring Programs on Middle and High School Student Perceptions and Interest in Health Careers
Presenter: Dr. Wilfredo E. De Jesús-Monge

1835 - Evaluation of the Dissemination and Implementation of a National Colorectal Cancer Screening Program among Primary Care Physicians in Puerto Rico
Presenter: Dr. Walter Morales Borrero

10:00 a.m. – 11:45 a.m.
Oral Session E
School of Dental Medicine
Moderator:
- Dr. Augusto Elías-Boneta

1734 - Novel Damaging IRF6 Mutation in a Van der Woude Family from Puerto Rico
Presenter: Ms. Ada M. Toraño Rodríguez

1800 - Comparison of the effectiveness of hyaluronic acid, PRP, and PRGF on the treatment of temporomandibular joint osteoarthritis. A systematic review
Presenter: Dr. Francisco J. Carrillo

1820 - Reduced health disparities in dental preventive services among 12-year-old Puerto Ricans
Presenter: Ms. Juliana A. Iral Pineda

2019 - Exonic and Intronic Novel Variants in GRHL3 from Puerto Ricans with Cleft Palate
Presenter: Miss. Carolina A. Bello Rivera

2127 - Rare Mutations in ADCY9 from Puerto Ricans with Orofacial Clefts
Presenter: Mr. Diego A. Rodríguez

2194 - Effect of the over expression of miRNA 142-3p on AC9 in human salivary gland cells
Presenter: Mr. Javier A. Rodríguez Ramos

11:45 a.m. – 12:00 m.
Closing
- Dr. José Hawayek Alemañy
  Acting Dean of Academic Affairs
## POSTER SESSION

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<td>1695</td>
<td>Prevalence of Bullying in Children with Chronic Conditions</td>
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<td>Presenter: Ms. Anandra A. González</td>
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<td>1705</td>
<td>SBAR Method for Improvement of Transmission of Information in the University Pediatric</td>
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<td>Hospital: A Quality Improvement Project</td>
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<td>Presenter: Dr. Natalia L. Rodríguez-Vázquez</td>
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<td>1710</td>
<td>Clinical and Demographic Profile of Patients Receiving Benzodiazepines for the</td>
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<td>Treatment of Anxiety Disorders at a Specialized Center in Puerto Rico</td>
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<td>Presenter: Mr. Roberto A. León-Barriera</td>
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<td>1777</td>
<td>Assessing the Interest, Knowledge and Confidence of Third Year Dental Medicine</td>
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<td>Students in the Management of Deaf Patients in the Dental Practice</td>
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<td>Presenter: Ms. Stephanie Pastrana Sánchez</td>
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<td>1792</td>
<td>Repercusiones del Cambio Climático en la Salud Humana: Propuesta de Política Pública</td>
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<td>en PR para el monitoreo de brotes de enfermedades vectoriales</td>
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<td>Presenter: Miss. Karen Agosto Valentín</td>
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<td>1794</td>
<td>Orthopedic Surgery Residency Case Log Transition: An Analysis of ACGME Data</td>
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<td>Presenter: Mr. Norberto J. Torres Lugo</td>
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<td>1812</td>
<td>Orthopaedic Surgeon Communication Skills: Perception of Empathy and Patient</td>
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<td>Satisfaction through the use of Anatomical Models</td>
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<td>Presenter: Mr. Dennys Rivera</td>
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<td>1839</td>
<td>The Use of Oral Hypoglycemic Agents in the Management of Diabetes Mellitus During</td>
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<td>Presenter: Ms. Loida A. González-Rodríguez</td>
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<td>1856</td>
<td>Anogenital Findings of Child Sexual Abuse in Puerto Rican Children: Revisited</td>
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<td>Presenter: Mr. Jorge L. Mejias Ramos</td>
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<td>1874</td>
<td>Pharmacists' Impact on Preventable Hospital Readmission Rates of High Risk Patients</td>
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<td>by offering Transition of Care Services upon Discharge</td>
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<td>Presenter: Mrs. Sara M. Ramos González</td>
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<td>1880</td>
<td>Uso de Simulación Clínica para Desarrollar Autoconfianza y Pensamiento Crítico en</td>
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<td>Estudiantes Subgraduados de Enfermería Psiquiátrica / Salud Mental</td>
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<td>Presenter: Dr. Noemy Díaz-Ramos</td>
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<td>1885</td>
<td>Curricular Mapping to ACPE Standards 2016 Appendix 1 and NAPLEX Blueprint</td>
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<td>Presenter: Dr. Edna N. Almodovar Carballo</td>
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<td>1914</td>
<td>Acceptability, barriers, and facilitators of a preventive group intervention for</td>
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<td>self-management of functional disabilities among older Hispanics.</td>
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<td>Presenter: Miss. Alexandra Meléndez-Ortiz</td>
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| 1921 | Muscle Controlled 3D Printed Prosthetic Hands.  
**Presenter:** Dr. Emma Fernández-Repollet |
| 1928 | Razones preventivas y económicas: Obligatoriedad de Exámenes Dentales a escolares de Puerto Rico  
**Presenter:** Ms. Violeta Contreras |
| 1959 | Calculus prevalence among adults in San Juan, Puerto Rico  
**Presenter:** Mr. Javier A. Cevallos-Ramos |
| 1960 | The politics of health: A discourse analysis of Zika virus infection and sexual and reproductive rights in Puerto Rico  
**Presenter:** Mr. José E. Guerrero-Bravo |
| 1967 | Assessment of the validity of anal Pap cytology and HPV typing in the detection of anal intraepithelial neoplasia in women  
**Presenter:** Miss. Jeslie M. Ramos Cartagena |
| 1976 | Acquiring Clinical Skills with Standardized Patients: Integrating Qualitative and Quantitative Methods  
**Presenter:** Mr. Elias K. Pabón Vázquez |
| 2012 | Características de las viviendas de Puerto Rico antes del paso de los huracanes 2012-2016.  
**Presenter:** Ms. Paloma Rivera-Ortiz |
| 2046 | Perfil de las madres adolescentes en Puerto Rico, 2016  
**Presenter:** Mrs. Ana G. Jara |
| 2091 | Análisis del Estado Laboral entre Personas con y sin Discapacidad en Puerto Rico para los años 2008, 2011 y 2014  
**Presenter:** Ms. Carmen P. Oyola |
| 2123 | Riesgo de Muerte por Cáncer de Colon según el Tiempo de Inicio de la Cirugía después del Diagnóstico de Cáncer en Puerto Rico  
**Presenter:** Dr. Karen J. Ortiz-Ortiz |
| 2129 | Access to substance abuse treatments: Whites and Hispanics.  
**Presenter:** Dr. Darlene I. Santiago |
| 2138 | Accuracy of the Short Blessed Test and the Clinical Dementia Rating Scale – Memory Domain as screening tools for Early Onset Alzheimer’s Disease  
**Presenter:** Dr. Alexandra Rivera |
| 2147 | Professional Volunteer Teams Help Communities After the Hurricane María  
**Presenter:** Ms. Yari D. Valle |
| 2156 | Pobreza entre los ancianos: características sociodemográficas y económicas de la población de 65 años o más en Puerto Rico, 2012 -2016.  
**Presenter:** Mr. Luis A. Rodríguez Ortiz |
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| 2181 | Asthma and COPD Overlap Syndrome in Puerto Rico: A Descriptive Study  
Presenter: Dr. Darilys M. Cuevas Acevedo |
| 2188 | Procesos de resiliencia post huracán María en la comunidad Socucho en Morovis y su vinculación con la actividad académica.  
Presenter: Ms. María T. Borges-Cancel |
| 2189 | Evaluation and Analysis of a Noise Reduction Enclosure: The impact of absorbing materials, surface area, and design.  
Presenter: Mr. Ernick E. Guzmán |
| 2207 | Epidemiología de Desastres: Puerto Rico después del Huracán María  
Presenter: Ms. Wilma González |
| 2213 | La vulnerabilidad ante el desastre: características sociodemográficas de la población ubicada en la ruta del huracán María  
Presenter: Mrs. Chrystal M. Galán |
| 2214 | La población extranjera en Puerto Rico: diferencias en sus características sociodemográficas de acuerdo al país de nacimiento, 2012-2016  
Presenter: Ms. Leidymee Medina |
| 1671 | Psycho-Social Survey: Comparison of Permanent Pacemaker Impact Through a 15-year Interval  
Presenter: Ms. Vivian V. Altiery De Jesús |
| 1675 | Aplicación de la Teoría de Acción Razonada a la Intención/Acción de Hacerse la Mamografía en Mujeres No Adherentes Mayores de 40 Años en Puerto Rico  
Presenter: Ms. Emily Loran-Velázquez |
| 1693 | Exploring the Well-being of Resident Physicians at a Hispanic Academic Medical Center, 2015-2016.  
Presenter: Dr. Luz N. Colón-de Martí |
| 1697 | Decision Tree Method Application to Identify Proteins Critical to Learning in a Mouse Model of Down Syndrome  
Presenter: Mr. Christian E. Cruz Cruz |
| 1712 | Fatty Acid-Induced Inflammasome Activation in Old-Endothelial Cells develops Pro-Atherogenic Senescence.  
Presenter: Ms. Aidaliz Llorens-Bonilla |
| 1715 | Assessing Cancer Driving CCR4 Mutations in Cutaneous T-Cell Lymphomas  
Presenter: Mr. Axel R. Delgado Amador |
| 1729 | Psychometric Properties of the Patient Health Questionnaire-9: A Multigroup Analysis for Depression Symptoms among Adolescents in Puerto Rico  
Presenter: Ms. Stephanie M. López-Torres |
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<td>1754</td>
<td>El Síndrome de Quemazón y su relación con la violencia de los pte. percibida por el personal de enfermería que trabaja en un hospital psiquiátrico. <strong>Presenter: Ms. Jennifer Rivera Pérez</strong></td>
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<td>1745</td>
<td>Experience of HIV Adolescents Compared with Sickle Cell and Inflammatory Bowel Disease Adolescents Regarding Transition to Adult Care in Puerto Rico <strong>Presenter: Dr. Mónica Rivera-Agosto</strong></td>
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<td>1756</td>
<td>Norovirus Pathogenesis: Elucidation of Programmed Cell Death-associated Molecular Pathways <strong>Presenter: Mr. Carlos A. Castrodad</strong></td>
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<td>1780</td>
<td>Endoplasmic Reticulum (ER) Stress is Anti-angiogenic and Anti-tumorigenic <strong>Presenter: Ms. Andrea P. Rivera Ruiz</strong></td>
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<td>1805</td>
<td>Synergetic effects of Dantrolene and Nimodipine on the PHE-induced Contraction and ACh-induced Relaxation in Aortic Rings from Diabetic Rats <strong>Presenter: Miss. Marie Román</strong></td>
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<td>1807</td>
<td>The Use of Metabolomics in the Study of Mild Hypospadias <strong>Presenter: Ms. Coriness Pineyro-Ruiz</strong></td>
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<td>1809</td>
<td>Clinical Profile and Psychiatry Comorbidities of patients with Obsessive–Compulsive Disorder treated at CETMA in Puerto Rico <strong>Presenter: Dr. Jahaira López-Pastrana</strong></td>
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<td>1846</td>
<td>Título: Uso de suplementos herbarios en adultos en el área noreste de Puerto Rico y su potencial de interacción <strong>Presenter: Ms. Nelly Conte</strong></td>
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<td>1853</td>
<td>Expression of antioxidant genes and drug sensitivity profile of <em>Plasmodium berghei</em> abcg mutant <strong>Presenter: Ms. Angélica K. de Jesús Sosa</strong></td>
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<td>1871</td>
<td>Novel curcumin analog nanoparticles decreased cell viability, proliferation, and apoptosis in prostate cancer cells. <strong>Presenter: Ms. Maylein C. Juan-Rivera</strong></td>
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<td>1887</td>
<td>Maintaining Neuronal Function: The Role of the Transcription Factor Gooseberry in Synaptic Growth and Stability. <strong>Presenter: Mrs. Marizabeth Pérez Carambot</strong></td>
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<td>1896</td>
<td>Experiencias de adultos entre 40 y 60 años viviendo con DT2 <strong>Presenter: Dr. Clara I. Valderrama</strong></td>
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<td>1897</td>
<td>Manifestaciones de TV y el SQ en enfermeras que trabajan con mujeres sobrevivientes de VD en salas de emergencias de PR <strong>Presenter: Dr. Wanda Irizarry</strong></td>
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<td>1900</td>
<td>BAT-1 Up-Regulation Decreases Cell Invasion and Migration In Vitro</td>
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<td>Presenter: Ms. Aileen M. García-Vargas</td>
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<td>1905</td>
<td>Anti-cancer Activity Of Novel Chalones Against Highly- Metastatic Prostate Cancer Cells</td>
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<td>Presenter: Ms. Metsiel J. Donate</td>
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<td>1912</td>
<td>Novel Ehop-016 derivatives decrease Cell Viability, Migration/Invasion and Rac activity in Prostate Cancer.</td>
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<td>Presenter: Ms. Valerie Vélez Rodríguez</td>
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<td>1913</td>
<td>Level of Satisfaction and Perception of Patients that Benefit from a Comprehensive Evaluation of Medications by Pharmacists in Ambulatory Clinics</td>
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<td>Presenter: Dr. Allison Fonseca</td>
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<td>1919</td>
<td>Knowledge and Practice of Pertussis Vaccination during Pregnancy by Mothers of Infants Admitted to the Neonatal Intensive Care Unit</td>
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<td>Presenter: Ms. Nicole Rivera-Jiménez</td>
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<td>1932</td>
<td>Application of retinoic acid after optic nerve injury affects optic nerve glia and macrophages in adult frog Rana pipiens</td>
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<td>Presenter: Miss. Valeria De La Rosa-Reyes</td>
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<td>1938</td>
<td>Transition Readiness (TR) from Pediatric to Adult-Oriented Care Among Young Adults with Type 1 Diabetes Mellitus (T1DM) in Puerto Rico (PR)</td>
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<td>Presenter: Mr. Jonathan Vélez</td>
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<tr>
<td>1941</td>
<td>Las experiencias de violencia vertical de los estudiantes de enfermería en la práctica clínica</td>
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<td>Presenter: Ms. Ana Ortiz Arroyo</td>
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<td>1951</td>
<td>Control ejecutivo en medidas de fluidez verbal en una muestra de mujeres puertorriqueñas VIH seropositivas (VIH+)</td>
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<td>Presenter: Miss. Elisa Ramos-Pérez</td>
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<td>1953</td>
<td>Structure of the Seminal Receptacle of Female Dirofilaria immitis</td>
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<td>Presenter: Mr. Gabriel Borges Vélez</td>
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<td>1984</td>
<td>Patients’ Satisfaction Regarding Implant-Retained Prosthesis: A Ten Year Follow-Up Study</td>
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| 1998 | Etiology, Factors, and Outcomes Associated to Open Elbow Release after Post-Traumatic Elbow Stiffness  
**Presenter:** Ms. Marcantonio V. Pinci |
| 2002 | A Center for the Rapid Analysis of Clinical-grade Biologics: The Biophysical Characterization of HIV-1 Env Protein as a Vaccine Candidate  
**Presenter:** Dr. Pearl Y. Akamine |
| 2008 | EtOH activation of β-catenin singling promotes TCF/LEF transcriptional regulation and Wnt secretion.  
**Presenter:** Ms. Kiara M. Cardona |
| 2014 | Social Isolation Stress Increases Anxiety-like Behavior on Male Sprague Dawley Rats.  
**Presenter:** Mrs. Natalia B. Ortiz |
| 2018 | Gene Polymorphisms linked to Clopidogrel Response within the Puerto Rican Population  
**Presenter:** Ms. Jonnalie C. Tomassini Fernandini |
| 2021 | Presence of Gastrointestinal Parasites in Macaca mulatta in a Seasonal and Diverse Environment: Implications of Parasites and Sociality on Wildlife  
**Presenter:** Mrs. Carla M. Escabi-Ruiz |
| 2023 | Oligotyping analysis of gut bacterial genes previously associated with inflammation and colorectal neoplasia  
**Presenter:** Ms. Rachell M. Martínez-Ramírez |
| 2025 | Towards an accurate anatomical measurement of the human liver: lessons from Ultrasound and MRI  
**Presenter:** Mr. Jancarlo Lugo Rosado |
| 2026 | Phthalates affect synaptic growth and stability at the Drosophila NMJ  
**Presenter:** Mr. Kevin M. De León González |
| 2037 | African genetic ancestry is associated with BRAF-mutated colorectal tumors and distal location in Puerto Rican Hispanics with colorectal cancer  
**Presenter:** Ms. Kimberly Alicea-Zambrana |
| 2042 | Identification of a Novel Compound with Antimalarial Activity  
**Presenter:** Dr. Emilee E. Colón-Lorenzo |
| 2043 | Ecological Sampling and Vector Capacity Potential of the Malaria Vector Anopheles Mosquito in Two Holdridge Life Zones in Puerto Rico  
**Presenter:** Mr. Daniel W. Pérez-Ramos |
| 2047 | Sobrecarga y trastornos del sueño en los cuidadores de pacientes con Alzheimer.  
**Presenter:** Ms. Ileana Viltres |
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| 2052 | **Effects of Sodium Pump Inhibition in the Response of the Rat Trachea to Peroxide under Electrical Field Stimulation in Low Temperature Conditions.**  
**Presenter:** Dr. Guido E. Santacana                                                                                                                                 |
| 2055 | **Simvastatin Improvement of Cardiovascular Status in Diabetes; A Quantitative Proteomic Approach.**  
**Presenter:** Miss. Yarelis Díaz                                                                                                                                                                             |
| 2058 | **Characterization of Endometrial Cancer Donors at the UPR Comprehensive Cancer Center Biobank**  
**Presenter:** Miss. María I. Álvarez Cardona                                                                                                                                                                     |
| 2063 | **Neural-derived CD63+Rab5+ exosomes carry dysfunctional IRS-1 serine/tyrosine phosphorylation in response to HIV-1 Tat protein**  
**Presenter:** Ms. Janice G. Lozada Delgado                                                                                                                                                                       |
| 2064 | **Modulation of nicotinic receptors by cannabinoids**  
**Presenter:** Miss. Carla S. Rodríguez Tirado                                                                                                                                                                          |
| 2067 | **Assessment of Composite Sensor Array as Process Analytical Technology (PAT) for Quality Control of Aqueous Formulations**  
**Presenter:** Ms. Mery Vet George De la Rosa                                                                                                                                                                        |
| 2070 | **Andrographolide Induces a DNA Damage Response in Prostate Cancer via DNA Double Strand Breaks**  
**Presenter:** Mr. Andrés López                                                                                                                                                                                   |
| 2077 | **GW4869 and Allopurinol Regulate the Release of Exosomal Reactive Oxygen Species from Human Neuronal Cells Exposed to HIV-1 Tat**  
**Presenter:** Mr. Bryan J. Collazo-Rodríguez                                                                                                                                                                      |
| 2079 | **The Role of Lateral Orbitofrontal Projections in a Rodent Model of Persistent Avoidance**  
**Presenter:** Mr. Carlos I. Huertas Pérez                                                                                                                                                                         |
| 2083 | **Novel 1,5-Disubstituted 1,2,3-Triazoles as Inhibitors of Metastatic Breast Cancer**  
**Presenter:** Miss. Tatiana M. Matos Gascot                                                                                                                                                                       |
| 2104 | **Encouraging parents to read aloud to babies in the neonatal intensive care unit (NICU) as a resource to promote early literacy**  
**Presenter:** Dr. Krystal Miranda Aponte                                                                                                                                                                           |
| 2116 | **Síntomas de Depresión y el Control de los Niveles de Glucosa en Sangre en Adultos con Diabetes Mellitus Tipo 2 en Puerto Rico.**  
**Presenter:** Ms. Glorivett De Jesús-Rullán                                                                                                                                                                         |
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<td>2119</td>
<td>Consumo de Bebidas Azucaradas en el Recinto de Río Piedras luego de Puesta en Vigor la Certificación #35.</td>
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<td>Presenter: Miss. Natalie M. Maldonado García</td>
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<td>2126</td>
<td>The role of Cathepsin B secretion of HIV-infected MDM on neuronal apoptosis</td>
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<td>An Association between Alzheimer’s Disease and Depressive-Affective Disorders in a Hispanic Population</td>
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<td>Entomological Sampling of Mosquitoes in an Arbovirus Endemic Area</td>
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<td>2164</td>
<td>Mental Health Providers that integrate Evidence-Based Practices for Anxiety Disorders in Puerto Rico</td>
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<td>2166</td>
<td>Use of Mathematical Non-linear Growth Functions to Model Plasmodium berghei Parasitemias</td>
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<td>Presenter: Dr. José R. Muñiz</td>
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<td>2167</td>
<td>Presenilin-2 Gene Mutation Identified in Seven Hispanic Patients Presenting with Fronto-Temporal Dementia-like Phenotype</td>
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<td>Cross Cultural Adaptation of a Questionnaire to Assess Post-Partum Pain Management Satisfaction Upon Hospital Discharge</td>
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<td>2179</td>
<td>How does the learning environment influence the behavior of residents?</td>
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<td>Proteomics and Metabolomics of the sensor Mtl1p in Saccharomyces cerevisiae as an aid in stress-specific functional role determination</td>
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<td>Contraceptive use among Hispanic Women living in San Juan Puerto Rico</td>
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<td>2219</td>
<td>Knowledge about contraceptive methods among Hispanic Women living in Puerto Rico</td>
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