

# Research and Technology

## Recent Research Grant Awards

<b>Principal Investigator</b>	<b>Title</b>	<b>Campus</b>	<b>Funding Agency</b>
Dr. Alonso Ramírez	REU Site: Tropical Ecology and Evolution at El Verde Field Station (NSF: 552567)	UPR-Río Piedras	National Science Foundation
Dr. Alonso Ramírez	UMEB: Undergraduate research on tropical ecosystems: from rainforest to cities (NSF: 602642)	UPR-Río Piedras	National Science Foundation
Dr. Ana Guadalupe	Preparing Current and Future Researchers to Understand Ethical Perimeters of Research, from Inception to Dissemination. (NSF: 734906)	UPR-Río Piedras	National Science Foundation
Dr. Elvira Cuevas	Center for Applied Tropical Ecology and Conservation: Biodiversity Conservation Under the Scenario of Climate Change. (NSF: 734826)	UPR-Río Piedras	National Science Foundation
Dr. Emily Sáez Santiago	School-based Prevention Program for Depression in Latino Pre-Adolescents (NIH: K23MH081135)	UPR-Río Piedras	National Institute of Health

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Dr. Eugene Smotkin	Low cost manufacturing of fuel cell membrane electrode assemblies with H/D CATA	UPR-Río Piedras	Faraday Technology Inc.
Dr. Guihua Gong	C*-algebras: structure, classification and applications. (NSF: 701150)	UPR-Río Piedras	National Science Foundation
Dr. Jill Thompson	Collaborative Research: LTREB: Long-term Studies of Flowering, Fruiting and Seedling Recruitment in Neotropical Forests: Global Change, Climate Variability and Species Coexistence. (NSF: 614659)	UPR-Río Piedras	National Science Foundation
Dr. Luis Pericchi	Accelerating Puerto Rican Students into the National Research Effort in Mathematics and Computer Science. (NSF: 630927)	UPR-Río Piedras	National Science Foundation
Dr. María Domínguez	CAA: Microbial Phylogenetic Structure and Diversity in the Unique Fermenting Crop of the Hoatzin ( <i>Opisthocomus Hoazin</i> ). (NSF: 716911)	UPR-Río Piedras	National Science Foundation

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Dr. Mitchell Aide	Automated Remote Data Acquisition, Analysis and Dissemination of Biodiversity Indicators in the Context of Global Climate Change. (NSF: 604143)	UPR-Río Piedras	National Science Foundation
Dr. Mitchell Aide	Automated bird and amphibian species identification computer program	UPR-Río Piedras	US Department of Defense
Dr. Nelson Varas	AIDS Stigma among health professionals in Puerto Rico. (NIH: R01MH080694)	UPR-Río Piedras	National Institute of Health
Dr. Néstor Carballeira	Marine Fatty Acids as New Antifungal, Antimycobacterial, and Topo-I Agents (NIH:1SC1GM084708-01)	UPR-Río Piedras	National Institute of Health
Dr. Nicholas Brokaw	Luquillo LTER Program 4: Understanding Change in the Ecosystems of Northeastern Puerto Rico. (NSF: 620910)	UPR-Río Piedras	National Science Foundation
Dr. Paul Bayman	A Phylogenetic Approach to Virulence in <i>Aspergillus</i> (NIH:1SC3GM084818-01)	UPR-Río Piedras	National Institute of Health

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Dr. Rafael Arce	Photodegradation Reactions Mono and Dinitro PAHs (NIH:1SC1ES017352)	UPR-Río Piedras	National Institute of Health
Dr. Rafael Ríos	IGERT: Natural-Human Systems in the Urbanizing Tropics (NSF: 801577)	UPR-Río Piedras	National Science Foundation
Dr. Reginald Morales	Integration of Informatics and Quantitative Concepts in Biology at UPR (NIH:1T36GM078010)	UPR-Río Piedras	National Institute of Health
Dr. Sandra Peña	DNA Recombination/Repair Mechanisms in Memory (NIH:1SC1MH086072)	UPR-Río Piedras	National Institute of Health
Dr. Zarixia Zavaloruiz	Biochemical Characterization of the Regulatory T-cell Protein LAG-3. (NIH:1SC2AI081661)	UPR-Río Piedras	National Institute of Health

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Dr. Agustín Irizarry	Acheivable Renewable Energy Targets PR's Ren. Energy Portfolio standard	UPR-Mayagüez	PR Department of Natural Resources
Dr. Agustín Rullan	Can gaming provide enough context to improve knowledge integration and retention in engineering freshmen? Developing a computer game for industrial engineering (NSF: 835990)	UPR-Mayagüez	National Science Foundation
Dr. Alejandro Segarra	Management of avocado lace bu: an integrated approach	UPR-Mayagüez	US Department of Agriculture
Dr. Amos Winter	SGER: Sclerosponges: a key to understanding the influence of global warming on ocean thermocline and mixed layer variability..an example from the Caribbean. (NSF: 738825)	UPR-Mayagüez	National Science Foundation
Dr. Ángel López	Advanced Pixel Silicon Detectors for CMS Detector	UPR-Mayagüez	University of Kansas
Dr. Arturo Hernández	CAREER: A Research and Education Program in Nanostructured Materials for Adsorption Based Separations at the University of Puerto Rico, Mayagüez. (NSF: 546370)	UPR-Mayagüez	National Science Foundation
Dr. Belinda Pastrana	Calcium-Binding Human Centrosome Proteins and Complexes	UPR-Mayagüez	National Institute of Health

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Dr. Benjamín Colucci	Transportation System- Technology Transfer Center	UPR-Mayagüez	PR Transportation Department
Dr. Carlos Ríos	Geomicrobiological and Metagenomic Studies (GEMS) of Puerto Rico Soils	UPR-Mayagüez	US Department of Agriculture
Dr. Carlos Rinaldi	CAREER: Response of Novel Suspensions of Magnetic Nanoparticles to Time Varying Magnetic Fields. (NSF: 547150)	UPR-Mayagüez	National Science Foundation
Dr. Carlos Rinaldi	REU: Research Experiences for Undergraduates and Teachers in Functional and Nanostructured Materials at the University of Puerto Rico, Mayagüez. (NSF: 552673)	UPR-Mayagüez	National Science Foundation
Dr. Carlos Rinaldi	NIRT: Magnetically and Thermally Active Nanoparticles for Cancer Treatment. (NSF: 609117)	UPR-Mayagüez	National Science Foundation
Dr. Carlos Velázquez	ERC Structured Organic Composites	UPR-Mayagüez	Rutgers University
Dr. Christa Von Hillebrandt	Installation and Maintenance of Sea Level Gauge in Dominican Republic	UPR-Mayagüez	National Oceanic Atmospheric Administration
Dr. Christa Von Hillebrandt	Puerto Rico Tsunami Hazard and Mitigation Program	UPR-Mayagüez	National Oceanic Atmospheric Administration

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Dr. David Sotomayor	Sustainable Pasture Production Using Dairy Manure And Innovative Liquid Nitrogen Source In PR	UPR-Mayagüez	US Department of Agriculture
Dr. David Suleiman	Nanostructured Cross- Linked Ionomers for Protecting Clothing	UPR-Mayagüez	US ARMY
Dr. Dimaris Acosta	RUI-Bryophytes as Biodomes: Bryophytes and their Associated Microfaunal Diversity in Two Cloud Forests. (NSF: 640052)	UPR-Mayagüez	National Science Foundation
Dr. Dimuth Siritunga	RIG/CAA: A road to more nutritious cassava: Cloning, functional characterization and over-expression of B-cyanoalanine synthase gene from cassava. (NSF: 641084)	UPR-Mayagüez	National Science Foundation
Dr. Dimuth Siritunga	Pathways for New Laboratory Modules in Undergraduate Genetics and Cell Physiology Education: Characterization of Puerto Rican Cassava (NSF:736727)	UPR-Mayagüez	National Science Foundation
Dr. Enrique Melendez	Design of Metallocene Complexes with Antitumor Properties (NIH: 5S06gm008103)	UPR-Mayagüez	National Institute of Health
Dr. Felipe Acosta	Environmental Effects Deformation, Strength, Degradation Glass Fiber Polymer	UPR-Mayagüez	US ARMY

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Dr. Félix Fernández	Light Induced Insulator to Metal Transitions Novel Device Applications	UPR-Mayagüez	Missile Defense Agency
Dr. Franklin Carrero-Martinez	RIG: Postsynaptic Molecular Assembly at the Onset of Neuromuscular Synaptogenesis in vivo (NSF: 818243)	UPR-Mayagüez	National Science Foundation
Dr. Frederick Just Agosto	Comprehensive Investigation Lifetime Characteristics Nano Sandwich Comp.	UPR-Mayagüez	Office of Naval Research
Dr. Gladys Ducoudray	UPRM-TI Analog and Mixed Signal Testing Initiative	UPR-Mayagüez	Texas Instruments, INC.
Dr. Genock Portela	Evaluation of Bridges Subjected to Military Loadings and Dynamic Effects	UPR-Mayagüez	US ARMY
Dr. Guoquan Wang	MRI: Acquisition of 15 High-rate GPS Units for Developing a Broadband Earthquake Observation System in Puerto Rico and the U.S. Virgin Islands. (NSF: 722540)	UPR-Mayagüez	National Science Foundation
Dr. Gustavo Lopez	Lung Surfactant Pathologies: Study of the Formation of Biomolecular Aggregates (NIH: 5S06GM008103)	UPR-Mayagüez	National Institute of Health
Dr. Héctor Monroy	Refining and Disseminating Pedagogical Taxonomy	UPR-Mayagüez	Oklahoma University
Ismael Pagan Trinidad, M.S.	Summer Research Internship Program	UPR-Mayagüez	National Oceanic Atmospheric Administration



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Dr. Jesús Chinaa	Upgrading and Internet Publication of the Herbarium of the Department of Biology at the University of Puerto Rico at Mayaguez (MAPR).(NSF: 545174)	UPR-Mayagüez	National Science Foundation
Dr. José Chavarría	Habitat And The Role Of Natural Enemies In Regulating Spatial Patterns Of Entomopathogenic Nematodes	UPR-Mayagüez	US Department of Agriculture
Dr. Jorge Corredor	Photochemical Response and Optical Properties Org. Matter	UPR-Mayagüez	National Oceanic Atmospheric Administration
Dr. Jorge Ferrer-Negrón	EESE: Graduate Education in Research Ethics for Scientists and Engineers. (NSF: 629377)	UPR-Mayagüez	National Science Foundation
Dr. Jorge Rivera Santos	Evaluation of hidrological studies	UPR-Mayagüez	PR Department of Natural Resources
Dr. Jorge Rivera Santos	Puerto Rico Water Research Institute	UPR-Mayagüez	US Geological Survey
Dr. Jorge Rivera Santos	Waste Tire Crumb Rubber as Absorbent for Heavy Metal Ions	UPR-Mayagüez	US Geological Survey
Dr. Jose Chavarría Carvajal	Integrated management of black sigatoka of musa sp		US Department of Agriculture

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Dr. José Cruz-Cruz	Collaborative Development of Ethics Across the Curriculum Resources and Sharing of Best Practices. (NSF: 551779)	UPR-Mayagüez	National Science Foundation
Dr. José Colom	MRI: Development of a Meteorological Radar Network for Puerto Rico's West Coast (NSF: 821331)	UPR-Mayagüez	National Science Foundation
Dr. José Verle Rodrigues	Characterization and control of new and emerging viruses affecting cucurbits in Puerto Rico.	UPR-Mayagüez	US Department of Agriculture
Dr. Juan Lopez-Garriga	Hemoglobin I From <i>Lucina Pectinata</i> : A Model for Hydrogen Sulfide Reactivity Within Hemeproteins. (NSF: 544250)	UPR-Mayagüez	National Science Foundation
Dr. Juan Lopez-Garriga	Unraveling the Reaction between Heme (FeIV=O) Moiety and H <sub>2</sub> S (NIH: 5S06GM008103)	UPR-Mayagüez	National Institute of Health
Julio Morell, M.S.	Support to Caribbean Regional Assoc. for Integrated Coastal Ocean Observing	UPR-Mayagüez	Lockheed Martin
Dr. Linda Wessel Beaver	Collaborative Initiative for Plant Breeding Education	UPR-Mayagüez	US Department of Agriculture
Dr. Luis Cáceres	Puerto Rico Experiences on Mathematics and Undergraduate Research	UPR-Mayagüez	National Security Agency

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Dr. Luis Godoy	A Computer-Based Simulated Environment to Learn on Structural Failures in Engineering (NSF: 736828)	UPR-Mayagüez	National Science Foundation
Dr. Kejie Lu	Improving the Curriculum of Electrical and Computer Engineering through A Wireless Network Testbed: A Vertical Integration Approach (NSF: 736868)	UPR-Mayagüez	National Science Foundation
Dr. Lynette E. Orellana	Improve Behavior Determining Food Safety Practices	UPR-Mayagüez	US Department of Agriculture
Dr. Manuel Jiménez	L-DMOS Model Validation Circuits	UPR-Mayagüez	Texas Instruments, INC.
Dr. Manuel Jiménez	Study of System-Level Design Method Impl. SAR Supp.	UPR-Mayagüez	Lockheed Martin
Dr. Matías Cafaro	RUI: Symbiotic Gut Fungi of Arthropods (Trichomycetes: Zygomycota) in the Caribbean: Exploring Their Biodiversity in the Neotropics. (NSF: 615510)	UPR-Mayagüez	National Science Foundation
Dr. Matías J. Cafaro	Exploring Assoc. Between Tropical Social Insects and Actinomycetes	UPR-Mayagüez	University of Wisconsin

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Dr. Melvin Pagán	Polymorphic genes evaluation in denepol cattle germplasm	UPR-Mayagüez	US Department of Agriculture
Dr. Mildred Chaparro	ADVANCE IT Start Award: University of Puerto Rico Mayaguez (NSF: 811144)	UPR-Mayagüez	National Science Foundation
Dr. Miguel Castro	Novel Sensing Solutions IRAD	UPR-Mayagüez	Lockheed Martin
Dr. Miguel Velez	A Geometrical Approach for the Analysis of Hyper spectral Imagery	UPR-Mayagüez	Nat. Geo. Intell. Agency
Dr. Moses Bogere	Dense Multiphase Flow Simulation: Continuum Model Poly-Dispersed Syst.	UPR-Mayagüez	Department of Defense
Dr. Narinder Mehta	Smart Metal Corrosion Coating System for Military and Civil Applications	UPR-Mayagüez	US ARMY
Dr. Nazario Ramírez	Statistical Techniques to Improve the Hydro-Estimator Rainfall Algorithm	UPR-Mayagüez	National Oceanic Atmospheric Administration

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Dr. Nelson Sepúlveda	MRI: Acquisition of Processing and Testing Equipment for the Integration of Materials Science and Engineering Research at the University of Puerto Rico at Mayagüez. (NSF: 722534)	UPR-Mayagüez	National Science Foundation
Dr. Nelson Sepúlveda	Integration RF MEMS Switches Separately Folded Slot Antenna	UPR-Mayagüez	Macaulay-Brown, Inc.
Dr. Néstor Rodríguez	Collaborative Research: BPC-DP: Paving the Road to Professorship for Female Students (NSF: 739249)	UPR-Mayagüez	National Science Foundation
Dr. Nico Franz	BRC: A New Infrastructure for Invertebrate Biodiversity Research in Puerto Rico (NSF: 749434)	UPR-Mayagüez	National Science Foundation
Dr. Oscar M. Suarez	A Research and Education Thermomechanometry Hub at UPRM	UPR-Mayagüez	Office of Naval Research
Dr. Oscar M. Suarez	CREST: Nanotechnology Center for Biomedical and Energy-Driven Systems and Applications. (NSF: 0833112)	UPR-Mayagüez	National Science Foundation

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Dr. Paul Sundaram	Research Evaluation Differences Between Field Accelerated Lab.	UPR-Mayagüez	Mandaree Enterprise Corp.
Dr. Paul Sundaram	Nanoscaffolds in Ti Alloys to Enhance Osseointegration (NIH:5S06GM008103)	UPR-Mayagüez	National Institute of Health
Dr. Richard Appeldoorn	CCRI: Taking Coastal Mapping to a New Level	UPR-Mayagüez	National Oceanic Atmospheric Administration
Dr. Rodolfo Romanach	MRI: Acquisition of NIR Chemical Imaging Spectrometer to Study Novel Organic Composites (NSF: 821113)	UPR-Mayagüez	National Science Foundation
Dr. Roy Armstrong	MRI: Development of an Autonomous Underwater Vehicle (AUV) for Benthic Research and Training. (NSF: 722815)	UPR-Mayagüez	National Science Foundation
Dr. Roy Armstrong	Coral Reef Bleaching and Threads to Biodiversity in Puerto Rico	UPR-Mayagüez	National Aeronautical and Space Administration
Dr. Sangchul Hwang	Open Pit Quarry Reclamation and Restoration with Agremax Reutilization	UPR-Mayagüez	AES Puerto Rico
Dr. Sangchul Hwang	Biochemical Decomposition/Settlement Lanfill AGREMAX	UPR-Mayagüez	AES Puerto Rico

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Dr. Stefano Leonardi	A Parametric Study of V Shaped Trip-strips	UPR-Mayagüez	Pratt & Whitney
Dr. Víctor Huérfano	Introducing Shake Map in PR Via Scenarios of Damaging Earthquakes	UPR-Mayagüez	US Geological Survey
Dr. Walter Díaz	Evacuation Behavior in PR and USVI: Social Science/Behavi.. Analysis	UPR-Mayagüez	USARMY
Dr. Wilford Schmidt	Collaborative Research: MIP: Pressure Influences on Microbial Life in the Puerto Rico Trench (NSF: 801809)	UPR-Mayagüez	National Science Foundation
Dr. Yang Li	MRI: Acquisition of a Cryogen-Free Physical Property Measurement System for Research and Education at University of Puerto Rico at Mayaguez (NSF: 821284)	UPR-Mayagüez	National Science Foundation
Dr. Yi Jia	Micro Passive Wireless Temperature Sensor For Bearing Health Monitoring in Harsh Environments. (NSF: 757486)	UPR-Mayagüez	National Science Foundation

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Dr. Carlos Luciano	A Randomized, Double Blind, Placebo Controlled, Pararell Group, Multicenter Trial of Pregabalin versus Placebo in the Treatment of Neuropatic Pain Associated with HIV Neuropathy	UPR-Medical Sciences	Pfizer
Dr. Carlos Sariol	Immonopathogenesis Study Of Dengue Hemorrhagic Fever In Rhesus	UPR-Medical Sciences	Northeast Biodefense Center
Dr. Carlos Sariol	A Tetravalent Dengue Vaccine Based On Alphavirus Replicons	UPR-Medical Sciences	National Institute of Health
Dr. Carlos Torres-Ramos	Interaction Between DNA Repair and Antioxidant Genes During Aging (NIH:1SC3GM084759)	UPR-Medical Sciences	National Institute of Health
Dr. Carmen Zorrilla	UPR Clinical Trials Unit (NIH: U01AI069415)	UPR-Medical Sciences	National Institute of Health



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Dr. Carmen Zorrilla	Mentoring Institute for HIV and Mental Health Related Research of the University (NIH: R25MH083617)	UPR-Medical Sciences	National Institute of Health
Dr. Carmen Zorrilla	A Randomized, Open-Label Trial To Compare The Efficacy, Safety And Tolerability Of Drv/Rtv Vs Drv/Rtv In Nearly Treatment Experienced Hiv-1 Infected Subjects	UPR-Medical Sciences	Tibotec Pharmaceuticals Limited
Dr. Carmen Zorrilla	Pox-Mva-011-A	UPR-Medical Sciences	Bavaria Nordic A/S
Dr. Cruz María Nazario	Breast Cancer Epidemiology in Puerto Rico	UPR-Medical Sciences	US ARMY
Dr. Edmundo Kraiselburd	A Caribbean Project for Clinical and Basic Neuroscience Research. (NIH: U54NS043011)	UPR-Medical Sciences	National Institute of Health
Dr. Edmundo Kraiselburd	Establishment & maintenance of a closed CPRC SPF colony. (NIH: U42RR016021)	UPR-Medical Sciences	National Institute of Health

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Dr. Edmundo Kraiselburd	BI3 Facility At Upr	UPR-Medical Sciences	National Institute of Health
Dr. Emma Fernández	RCMI Multidisciplinary collaborative research program. (NIH: G12RR003051)	UPR-Medical Sciences	National Institute of Health
Dr. Estela Estepe	Clinical Research Education And Career Development (Creced) Program (NIH: 25RR017589)	UPR-Medical Sciences	National Institute of Health
Dr. Glorisa Canino	UPR-CHA Research Centro of Excellence: Making Difference for Latino Health. (NIH: P60MD002261)	UPR-Medical Sciences	National Institute of Health
Dr. Glorisa Canino	Parental Effets on Depression and Disruptive Disorders	UPR-Medical Sciences	National Institute of Health

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Dr. Gregory Quirk	Prefrontal amygdala interactions in fear conditioning. (NIH: R01MH058883)	UPR-Medical Sciences	National Institute of Health
Dr. Hector Banchs	A 24-month, multi-center, randomized, open-label non-inferiority study of efficacy and safety comparing two exposures of concentration-controlled Certican with reduced Neoral versus 3.0 g MMF with standard dose Neoral in de novo heart transplant recipients	UPR-Medical Sciences	Novartis
Dr. Irma Febo	Adolescent medicine trials unit for HIV/AIDS intervention. (NIH: U01HD040490)	UPR-Medical Sciences	National Institute of Health
Dr. Jaime Peters	Pre-existing Differences in BDNF and Fear Extinction (NIH:1F32MH085383)	UPR-Medical Sciences	National Institute of Health
Dr. Jennifer Barreto Estrada	Interdisciplinary Leadership Education (NIH: P2ORR016470)	UPR-Medical Sciences	National Institute of Health

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Dr. Jonathan Blagburn	Engrailed and the Control of Synaptic Circuitry in Drosophila (NIH:1SC2NS065384)	UPR-Medical Sciences	National Institute of Health
Dr. Jorge Santana	Adult aids clinical trials unit (NIH: U01A1034832)	UPR-Medical Sciences	National Institute of Health
Dr. Jorge Santana	A Phase 2, Open-Label, Multicenter Study of the Safety of Ritonavir-Boosted GS-9137 (GS-9137/R) Administered in Combination with Other Antiretroviral Agents for the Treatment of HIV-1 Infected Subjects	UPR-Medical Sciences	Gilead Sciences Inc.
Dr. José Rodríguez-Medina	Signaling interactions in cytokinesis, cell wall biogenesis, and growth in fungi (NIH:1SC1AI081658)	UPR-Medical Sciences	National Institute of Health
Dr. Josefina Romaguera	A Randomized, Double-Blinded, Tolerability And Immunogenicity Study Of A Multivalent Human Papillomavirus(Hpv)	UPR-Medical Sciences	Merck

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Dr. Kamaudi Joshipura	Periodontitis, Biomarkers and Cardiovascular Disease. (NIH R01DE017176)	UPR-Medical Sciences	National Institute of Health
Dr. Kaumudi Joshipura	Clinical Research and Mentoring in Oral Epidemiology. (NIH: K24DE016884)	UPR-Medical Sciences	National Institute of Health
Dr. Ligia Chávez	Cultural Development of an Adolescent Mental Health Quality of Life Instrument (NIH:1SC1HD060888-01)	UPR-Medical Sciences	National Institute of Health
Dr. Marcia Cruz Correa	Familial Colorectal Cancer Registry in Puerto Rico: A Feasibility Study. (NIH: R03CA130034)	UPR-Medical Sciences	National Institute of Health
Dr. Marcia Cruz Correa	Clinic pathology of IGF2 loss of imprinting in colon neoplasia. (NIH: K22CA115913)	UPR-Medical Sciences	National Institute of Health
Dr. Maribel Tirado	An Open-Label, Dose Escalation Phase I Trial of MK-0646 given as an every other week infusion in patients with relapsed locally advanced metastatic cancers	UPR-Medical Sciences	Merck

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Dr. Marianela Perez-Torres	Novel Mechanisms of EGFR Gene Expression Regulation (NIH:1SC2GM084789-01)	UPR-Medical Sciences	National Institute of Health
Dr. Margarita Irizarry	Identification of Prostate Cancer Stage in Hispanics Using Serum Protein Profile (NIH:1SC3GM084769)	UPR-Medical Sciences	National Institute of Health
Dr. Mark Miller	Expansion Of Imaging Facilities At The Institute Of Neurobiology	UPR-Medical Sciences	Department of Defense
Dr. Melvin Bonilla	Study Of The Effects Of Losartan On Ped. Patients W/ Hypertention	UPR-Medical Sciences	Merck
Dr. Michael Clatts	Male IDUs in Viet Nam: Ethno-Epidemiology of HIV Risk. (NIH: R01DA016188)	UPR-Medical Sciences	National Institute of Health

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Dr. Michael Clatts	Diffusion of HIV-1 among Drug Using Men in SE Asia (NIH: R01DA022170)	UPR-Medical Sciences	National Institute of Health
Dr. Néstor Sánchez	A Multi-Center, Randomized, Double-Blind, Parallel-Group Study to Demonstrate the Efficacy and Safety of Adapalene/Benzoyl Peroxide Topical Gel Compared with Adapalene Topical Gel, 0.1%; Benzoyl Topical Gel, 2.5% and Topical Gel Vehicle in Subjects with Acne Vulgaris	UPR-Medical Sciences	Galderma R&D
Dr. Nayda Figueroa-Valles	Puerto Rico Central Cancer Registry (NIH: 7U58DP00782)	UPR-Medical Sciences	National Institute of Health
Dr. Rafael Burgos Calderón	A Randomized, Double-Blind, Placebo and Active Comparator Controlled Study to Assess the Efficacy and Tolerability of MK-8141 in Hypertensive Patients	UPR-Medical Sciences	Merck
Dr. Rafael Burgos Calderón	The PRIMO II Study: Paricalcitol Injection benefits in Renal failure Induced cardiac Morbidity in Subjects with Chronic Kidney Disease Stage 5	UPR-Medical Sciences	Abbot

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Dr. Reynold Lopez Enríquez	UPRCCC-Breast & Cervical Cancer Early Detection Program	UPR-Medical Sciences	National Center For Chronic Disease Prevention and Health Promo
Dr. Robert Kensler	Cardiac Muscle: Functional Role of Myosin - Binding Protein C in Contraction (NIH:1SC1HL096017)	UPR-Medical Sciences	National Institute of Health
Dr. Roberto E. Torres-Zeno	Puerto Rico Health Services Research Institute	UPR-Medical Sciences	Department of Health and Human Services
Dr. Sylvette Ayala Torres	Dna Damage And Oxysterol-Induced Apoptosis	UPR-Medical Sciences	Universidad Central Del Caribe
Dr. Sylvette Ayala Torres	Mitochondrial Dna Damage And Repair In Neurodegeneration	UPR-Medical Sciences	National Institutes Of Health
Dr. Walter Frontera	PRCC/MDACC:Partners for Excellence in Cancer Research. (NIH: U54CA096297)	UPR-Medical Sciences	National Institute of Health
Dr. Yilda Rivera	Healthy Tomorrows Partnership For Children Program	UPR-Medical Sciences	Health Resources And Services Administration



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Dr. Zoe Rodriguez	Pediatric Hiv\Aids Cohort Study (Phacs)	UPR-Cayey	Harvard School Of Public Health
Dr. Edwin Vázquez	Howard Hughes Program	UPR-Cayey	Howard Hughes
Dr. Mayra Pagán	Reinvigorating the Chemistry Curriculum with Fourier- TraNSF: orm Nuclear Magnetic Resonance (FT-NMR) Spectroscopy. (NSF: 633431)	UPR-Humacao	National Science Foundation
Dr. Nicholas Pinto	RUI: Conducting Polymer Nanofibers for Device and Sensor Applications: Motivating undergraduate Students into Research in Materials Science. (NSF: 704534)	UPR-Humacao	National Science Foundation
Dr. Nicholas Pinto	Understanding the Nature of the Metallic State in Conducting Polymers, a Crucial Step in the Fabrication of Enhanced Polymer Based Electronic Devices	UPR-Humacao	US ARMY, Department of Defense

# Research and Technology

## Recent Research Grant Awards

<b>Principal Investigator</b>	<b>Title</b>	<b>Campus</b>	<b>Funding Agency</b>
Dr. Edu B. Suárez	Integrated Strategies for Increasing Understanding, Preparedness, Response and Research in Terrorism at UPRP	UPR-Ponce	US Department of Homeland Security
Dr. Manuel Gómez	Puerto Rico-Louis Stokes Alliance for Minority Participation, Phase IV: Sustaining Numerical Goals and Building Permanent Pathways to Graduate Studies. (NSF: Cooperative Agreement)	UPR-Central Administration	National Science Foundation
Dr. Manuel Gómez	2008 PR-LSAMP Bridge to the Doctorate Initiative: Diversifying the STEM Workforce by Providing Fellowships to the LSAMP Graduates to Continue and Complete a PhD Degree (NSF:832961)	UPR-Central Administration	National Science Foundation
Dr. Eugene Smotkin	Improve Fuel Cell Cathode Catalysts Using Combinatorial Methods	UPR-Central Administration	Department of Defense

# Research and Technology

## Recent Research Grant Awards

<b>Principal Investigator</b>	<b>Title</b>	<b>Campus</b>	<b>Funding Agency</b>
Dr. Gerardo Morell	Puerto Rico Space Grant Consortium	UPR-Central Administration	National Aeronautics Space Administration
Dr. Gerardo Morell	Puerto Rico Nasa Epscor Research Infrastructure Development	UPR-Central Administration	National Aeronautics and Space Administration
Dr. Ram Katiyar	Nano-Structured Magneto-Electric Composites: Design and Development for Multifunctional Devices	UPR-Central Administration	Department of Defense
Dr. Ram Katiyar	Nanostructured Spintronic Materials for Novel Magnetoelectronic Devices	UPR-Central Administration	Department of Defense
Dr. Raphael Raptis	U.S.-Greece Dissertation Enhancement: Mössbauer Spectroscopic Studies of Redox-Active Fe <sub>4</sub> O <sub>4</sub> -Cubanes (NSF:827841)	UPR-Central Administration	National Science Foundation
Dr. Raphael Raptis	International Collaboration in Chemistry: A Combined Experimental and Theoretical Study of Redox-Active Fe <sub>4</sub> O <sub>4</sub> -Cubanes (NSF: 822600)	UPR-Central Administration	National Science Foundation