

**University of Puerto Rico**  
**Office of the Vice President for Research and Technology**  
**Nanotechnology and Material Sciences Researchers**

Río Piedras							
NAME	LAST_NAME	EMAIL	CAMPUS_NAME	FACULTY	PROJECT_NAME	AGENCY	MAIN_AREA
Fouad M.	Aliev	faliev@uprrp.edu	Rio Piedras	Natural Sciences	Nano Polymers: Molecular structure-physical properties relationship at Nanoscale	Department of Defense	Nanostructured Materials
Carlos	Cabrera Martinez	ccabrera@uprrp.edu	Rio Piedras	Natural Sciences	Center for nanoscale materials in accordance with University of Puerto Rico.	National Aeronautics and Space Administration	Nanostructured Materials
Zhongfang	Chen	zhongfangchen@gmail.com	Rio Piedras	Chemistry	Novel materials for hydrogen and lithium storage; endohedral metallofullerenes and related endohedral clusters; molecules with novel bonding patterns; planar hypercoordinate carbon and other elements; novel aromaticity (EPSCOR-IFN)	National Science Foundation	Nanotubes, nanocables, peapods
Xianping Peter	Feng	pfeng@cnet.upr.edu	Rio Piedras	Natural Sciences	Design & Manufacturing Large Area, Thick cBN Films for High Power Energy Device App	National Science Foundation	Aerospace Technology
Luis	Fonseca	luis@uprrp.edu	Rio Piedras	Natural Sciences	Materials with applications in light amplification for optical communications, novel biological and chemical sensors, magnetic nanodevices, and new display materials.	National Science Foundation	Nanostructured Materials
Manuel	Gómez	mgomez@upr.edu	Rio Piedras	Natural Sciences	Development and Understanding of Multifunctional Nanostructures for Spintronics and Magnetoelectrics Applications (DOE Epscor )	Department of Energy	Nanostructures

Kai H.	Griebenow	kai.griebenow@gmail.com	Rio Piedras	Natural Sciences	"Poly(ethylene glycol) modification of enzymes and pharmaceutical proteins to enhance their stability in medical and biotechnology applications". R. Arce, PD; Griebenow, PI. (NIH-NIGMS, MBRS Program).	National Institute of Health	Biotechnology/Nanotechnology
Yasuyuki	Ishikawa	yishikawa@uprrp.edu	Rio Piedras	Natural Sciences	Development and Understanding of Multifunctional Nanostructures for Spintronics and Magnetoelectrics	Department of Energy	Nanostructures/Magnetoelectrics
Ram Sharan	Katiyar	rkatiyar@uprrp.edu	Rio Piedras	Natural Sciences	Nano-structured Spintronic Materials for Novel Magneto Electronic Devices	Department of Defense	Material Sciences
Carlos J.	Marin Martin	cjmarin@uprrp.edu	Rio Piedras	Natural Sciences	Fabrication of Solid-state X-and Gamma-Ray Detectors of Polycarbonate/Mercuric Iodide Nanocomposites for Space Exploration	National Aeronautics and Space Administration	Nanocomposites/Aerospace technology
Rita	Mayol	anaritamayol@hpcf.upr.edu	Rio Piedras	Natural Sciences	Development and Understanding of Multifunctional Nanostructures for Spintronics and Magnetoelectrics Applications (DOE Epscor)	Department of Energy	Nanostructures
Elvia J.	Melendez Ackerman	ejmendez@uprrp.edu	Rio Piedras	Natural Sciences	From Hectares to Nanometers: GK-12 Multidisciplinary Explorations of Tropical Ecosystems and Functional Nanoscience,	National Science Foundation	Functional nanoscience/Ecosystems
Gerardo	Morell	gerardo@adam.uprr.pr	Rio Piedras	Natural Sciences	Large area ambient pressure synthesis of noncomposite carbon films	Department of Defense	Biological Sciences
Ratnakar	Palai	r.palai@uprrp.edu	Rio Piedras	Natural Sciences	Development and Understanding of Multifunctional Nanostructures for Spintronics and Magnetoelectrics Applications (DOE Epscor)	Department of Energy	Multifunctional nanostructures
Raphael G.	Raptis	raphael@adam.uprr.pr	Rio Piedras	Natural Sciences	Nanoporous materials for separations and catalysis (UPRM CREST IGR3)	National Aeronautics and Space Administration	Nanotechnology

Jose M.	Rivera Ortiz	jrivera@cnet.upr.edu	Rio Piedras	Natural Sciences	Development of synthetic self-assembled nanostructures that may become more effective anticancer drugs as well as nanocarriers for "smart" drug delivery applications.	National Science Foundation	Nanostructured Materials/Anticancer drugs
Eugene S.	Smotkin	esmotkin@uprrp.edu	Rio Piedras	Natural Sciences	NASA-UPR Center for Nanoscale Materials	National Aeronautics and Space Administration	Nanostructured Materials/Aerospace technology
Brad	Weiner	brad@adam.uprr.pr	Rio Piedras	Natural Sciences	Infrastructure Building Towards an Institute for Functional Nanomaterials(IFN) in Puerto Rico.	National Science Foundation	Nanostructured Materials
<b>Mayagüez</b>							
NAME	LAST_NAME	EMAIL	CAMPUS_NAME	FACULTY	RELEVANT PROJECT	AGENCY	MAIN_AREA
Aldo	Acevedo	aldo.acevedo@upr.edu	Mayagüez	Engineering	Electric Flow field Assist. Assy. Nanorods Nem. Poly. Matri. Ext. Nanost. Mult. Films (Fedral Pass Through CRCI-IFN)	National Science Foundation	Functional Dispersed Nanostructures
Felipe	Acosta	felipe.acosta1@upr.edu	Mayagüez	Engineering	Envir.Effects Mitigation, Strength, Degrad. Glass Fiber Reinforced Polymer	Department of Defense	Engineering/Polymers
Nelson	Cardona	nelson.cardona@upr.edu	Mayagüez	Engineering	UPRM CREST IGR3 Nanoporous materials for separations and catalysis	National Science Foundation	Nanotechnology/Biomedical
Miguel	Castro	miguel.castro2@upr.edu	Mayagüez	Arts & Sciences	Dev. Detec. Method Study Nucleation Growth Mechanism Silver/Gold Nano.	Private Agency/Organization	Drug synthesis
Marco	De Jesús	marco.dejesus@upr.edu	Mayagüez	Arts & Sciences	Nanofabrication of densely packed polymer arrays for surface enhanced Raman applications	National Science Foundation	Nanostructured Materials
Rubén	Díaz Rivera	rubene.diaz@upr.edu	Mayagüez	Mathematics	Fabrication Micro & Nanoscale Fluidic System Whole Cell Biosensing Application	UPR and Private Agency	Engineering

Gustavo	Gutierrez	jorgegustavo.gutierrez@upr.edu	Mayagüez	Engineering	Mag. Effect Using Mag. Nanofluid w/Low Curie Tamp Elec. Applications	Department of Defense	Mechanical Engineering/Nanost ructured Materials
Arturo J.	Hernandez	arturoj.hernandez@upr.edu	Mayagüez	Physics	UPRM CREST IGR3 Nanoporous materials for separations and catalysis	National Science Foundation	Nanotechnology/Bi omedical
Héctor	Jiménez	hectorj@upr.edu	Mayagüez	Arts & Sciences	The study of nanomaterials under the influence of strong magnetic fields, ultra low temperatures, electric fields, and light (EPSCOR-IFN).	National Institute of Health	Nanostructured Materials
Eduardo	Juan	eduardoj.juan@upr .edu	Mayagüez	Engineering	UPRM CREST IGR1 Multifunctional nanoparticles for magnetically actuated siRNA delivery	National Science Foundation	Nanoparticles
Frederick	Just Agosto	frederick.just@upr.edu	Mayagüez	Physics	Comprehensive Inv. Lifetime Character Nanostructures Composite Sandwich	Other Federal Agency	Nanostructures/Me chanical Engineering
María	Martinez Iñesta	mariam.martinez@upr.edu	Mayagüez	Engineering	Synthesis and characterization of nanostructures of Angstrom dimensions, high dimensionality, and high uniformity (EPSCOR-IFN).	National Science Foundation	Nanostructured Materials
Patricia	Ortiz	patricia.ortiz3@upr.edu	Mayagüez	Chemistry	Fungal metabolism, application of glyconanotechnology in the control of fungal infections, analysis of fungal metabolites, proteomics of lignocelluloses degradation, and molecular biology (EPSCOR-IFN)	National Science Foundation	Nanotechnology
Agnes	Padovani	agnes.padovani@upr.edu	Mayagüez	Engineering	UPRM CREST IGR4 Nanoengineered composite materials for energy efficient devices and applications	National Science Foundation	Nanotechnology/Bi omedical
Oscar	Perales	oscarjuan.perales@upr.edu	Mayagüez	Engineering	UPRM CREST IGR2) quantum dot systems for cancer therapy	National Science Foundation	Nanotechnology/Bi omedical

Carlos	Rinaldi	carlos.rinaldi@upr.edu	Mayagüez	Engineering	UPRM CREST IGR4 Nanoengineered composite materials for energy efficient devices and applications	National Science Foundation	Nanotechnology/Biomedical
Jorge	Ríos	jorge.rios2@upr.edu	Mayagüez	Arts & Sciences	Molecular Studies of Proteins Encapsulated in Soft Materials	National Institute of Health	Molecular or cellular entities
Luis	Rivera	luis.rivera100@upr.edu	Mayagüez	Arts & Sciences	UPRM CREST IGR2 quantum dot systems for cancer therapy	National Science Foundation	Nanotechnology/Biomedical
Nelson	Sepulveda	nelson.sepulveda@upr.edu	Mayagüez	Engineering	UPRM CREST IGR4 Nanoengineered composite materials for energy efficient devices and applications	National Science Foundation	Nanotechnology/Biomedical
Guillermo	Serrano	guillermo.serrano@upr.edu	Mayagüez	Engineering	UPRM CREST IGR4 Nanoengineered composite materials for energy efficient devices and applications	National Science Foundation	Nanotechnology/Biomedical
Surinder B.	Singh	surinder.singh@upr.edu	Mayagüez	Mathematics/Physics	CREST IRG2: Engineered non-toxic quantum dots systems for cancer therapy applications	National Science Foundation	Biomedical nanotechnology /Cancer or Carcinogenesis
Oscar Marcelo	Suarez	oscarmarcelo.suarez@upr.edu	Mayagüez	Engineering	UPRM CREST IGR4 Nanoengineered composite materials for energy efficient devices and applications	National Science Foundation	Nanotechnology/Biomedical
David	Suleiman	david.suleiman@upr.edu	Mayagüez	Engineering	UPRM CREST IGR4 Nanoengineered composite materials for energy efficient devices and applications	National Science Foundation	Nanotechnology/Biomedical
Paul	Sundaram	paul.sundaram@upr.edu	Mayagüez	Engineering	Nanoscaffolds in Ti Alloys to Enhance Osseointegration	National Institute of Health	Nanoscaffolds/ Osseointegration/ Biotechnology
Maharaj	Tomar	maharajs.tomar@upr.edu	Mayagüez	Arts & Sciences	UPRM CREST IGR2 quantum dot systems for cancer therapy	National Science Foundation	Nanotechnology/Biomedical/Cancer
Madeline	Torres Lugo	madeline.torres6@upr.edu	Mayagüez	Engineering	UPRM CREST IGR1 Multifunctional nanoparticles for magnetically actuated siRNA delivery	National Science Foundation	Nanotechnology/Biomedical

Other Campus							
NAME	LAST_NAME	EMAIL	CAMPUS_NAME	FACULTY	RELEVANT PROJECT	AGENCY	MAIN_AREA
Rogério	Furlan	rogfurlan@gmail.com	Humacao	Physics	PENN-UPR Partnership for research and Education in Materials (PREM)	National Science Foundation	Education in materials
Nicholas J.	Pinto	nicholas.pinto@upr.edu	Humacao	Physics	RUI: Conducting Polymer Nanofibers for Device and Sensor Applications: Motivating undergraduate students into research in Materials Science	National Science Foundation	Nanofibers
Idalia	Ramos	iramos@mate.uprh.edu	Humacao	Physics	PENN-UPR Partnership for Research and Education in Materials (PREM)	National Science Foundation	Material Sciences
Luis	Rosa	luis.rosa13 upr edu	Humacao	Physics	Atomic Force Microscope (AFM) NANOLITHOGRAPHY; Surface Science of Organic Crystalline Surfaces	Institutional Support	Nanotechnology
Jose	Sotero	jse@mate.uprh.edu	Humacao	Mathematics	PENN-UPR Partnership for Research and Education in Materials (PREM)	National Science Foundation	Physical Sciences
Esther Z.	Vega	esther.vega@upr.edu	Humacao	Biology	PENN-UPR Partnership for Research and Education in Materials (PREM)	National Science Foundation	Physical Sciences
Natalia	Zimbovscaya	natalia.zimbovscaya@upr.edu	Humacao	Physics	Understanding the Nature of the Metallic State in Conducting Polymers, a Crucial Step in the Fabrication of Enhanced Polymer Based Electronic Devices	Department of Defense	Physics/Polymers
Luis César	Fernández	luis.fernandez8@upr.edu	Cayey	Chemistry	ZnO Nanorot Array Synthesis: Controlling Morphology for Potential Solar Cells Application	Upr and Privtae Agency	Material amd Surface Chemistry
Wilfredo	Otaño	wilfredo.otano@upr.edu	Cayey	Mathematics/Physics	Nanostructural materials en its biomedical and electronical aplications	National Institute of Health	Nanotechnology/Biological Sciences
Victor	Pantojas	victor.pantojas@upr.edu	Cayey	Mathematics/Physics	Study of Palladium Nanostructures	National Aeronautics and Space Administration	Nanomaterials

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