

**Seminar Series**  
**August 2018 – May 2019**

**Research Seminars**

<b>No.</b>	<b>DATE</b>	<b>SEMINAR / WORKSHOP / MEETING</b>	<b>SPEAKER (S)</b>
1.	August 24, 2018	<i>¿Así que quieres hacer un postdoc?</i>	José A. Rodríguez Martínez, PhD Assistant Professor Department of Biology UPR-Río Piedras
2.	August 31, 2018	The role of <i>Helicobacter pylori</i> as pathogen or commensal and its interactions with the human microbiome	Guillermo Pérez-Pérez, PhD Research Associate Professor Division of Infectious Diseases University of New York School of Medicine
3.	September 14, 2018	Exploring bioactive marine natural products: isolation synthesis and chemical biology of marine metabolites	Eduardo J. Caro, PhD Assistant Professor Department of Pharmaceutical Sciences UPR-School of Pharmacy UPR-Medical Sciences Campus
4.	September 21, 2018	Molecular and cellular mechanisms of HIV-induced neurocognitive disorders in the antiretroviral era.	Kelly Jordan-Sciutto, PhD Chair and Professor Department of Pathology University of Pennsylvania (UPenn)
5.	September 28, 2018	The structure and function of the nervous system: approaches using model organisms	Aixa Alfonso, PhD Associate Professor Biological Sciences University of Illinois at Chicago
6.	January 25, 2019	Adventures in metagenomic data science: statistical, computational and visual interactive data analysis	Héctor Corrada Bravo, PhD Associate Professor Department of Chemistry University of Maryland
7.	February 8, 2019	Academic Leader, Mentor and researcher in major	Yaritza Inostroza-Nieves, PhD

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		histocompatibility complex gene regulation: maintaining a balance for success.	Dean of Biomedical Sciences & Research San Juan Bautista School of Medicine
8.	February 15, 2019	Lighting up intracellular phase transitions	Clifford Branwynne, PhD Princeton University
9.	February 22, 2019	Characterizing Temporal and Inter-Individual Functional Differences in Pre-Term Human Infant Gut Microbiome Development by a Metaproteomics Approach	Robert L. Hettich, PhD Oak Ridge National Labs
10.	March 1, 2019	<i>Impulsando la #CienciaBoricua a través de desarrollo profesional de científicos</i>	Giovanna Guerrero-Medina, PhD Yale Ciencia Initiative Director Yale Ciencia Academy
11.	March 8, 2019	Is there a sustainable future for phage therapy?	Ryland F. Young, III University Distinguished Professor Department of Biology Texas A&M University
12.	March 15, 2019	Uncharted waters: Beyond genetic approaches to study ALS and neurodegenerative diseases	Félix Nuñez, PhD Postdoctoral Fellow Coordinator for Summer Students Northwestern University Feinberg School of Medicine
13.	March 22, 2019	Composition-dependent functions of biomolecular condensates	Michael Rosen, PhD UT-Southwestern
14.	March 29, 2019	Long noncoding RNAs in breast cancer, the role of the IGF1/SNHG7 axis in proliferation	David N. Boone, PhD Assistant Professor Department of Biomedical Informatics University of Pittsburg-School of Medicine
15.	April 5, 2019	Adventures in photomedicine: using light-mediated processes to improve health and treat diseases	Sherri McFarland, PhD Department of Chemistry & Biochemistry University of North Carolina at Greensboro
16.	April 12, 2019	Mechanism of plasticity at the synapse: the interplay between activity-dependent and homeostatic plasticity	Bruno Marie, PhD Associate Professor/Adjunct Professor UPR-Neurobiology Institute
17.	April 26, 2019	Biological network analysis in personalized medicine	Melissa Cline, PhD

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			UC-Davis
18.	May 3, 2019	Water technologies by interface engineering	Seth B. Darling, PhD Argonne Institute for Molecular Engineering

### Recruitment Seminars

<b>No.</b>	<b>DATE</b>	<b>SEMINAR / WORKSHOP / MEETING</b>	<b>SPEAKER (S)</b>
1.	September 5, 2018	Recruitment Seminar Brown University	Alexander Jaworski Assistant Professor of Neurosciences
2.	September 12, 2018	Educational and Research Opportunities at UT Southwestern Medical Center  Developing diagnostic strategies for Tauopathies: Tau aggregates tell all	Nancy Street, PhD Associate Dean, Diversity and Inclusion Officer Graduate School of Biomedical Sciences  Jaime Vaquer-Alicea Estudiante Graduado en Neurociencias  UT-Southwestern
3.	September 19, 2018	Educational & Research Training Opportunities at UPenn	Arnaldo Díaz, PhD Assistant Dean for Research Training Programs Adjunct Assistant Professor of Pharmacology University of Pennsylvania (UPenn)
4.	September 26, 2018	Recruitment Seminar North Carolina State University	David M. Shafer, PhD Assistant Dean The Graduate School North Carolina State University
5.	October 24, 2018	Recruitment Seminar Massachusetts Institute of Technology (MIT)	Mandana Sassanfar, PhD Department of Biology
6.	October 24, 2018	Recruitment Seminar Rutgers University	Evelyn Erenrich, PhD Director RISE at Rutgers

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7.	October 26, 2018	Recruitment Seminar Stanford University	Samar Fahmy Assistant Director of Graduate Educational Programs & Diversity
8.	October 31, 2018	Recruitment Seminar University of Michigan-Ann Arbor	Jim Musgrave, MA Director of Graduate Admissions & Recruitment
9.	November 2, 2018	Research and PhD training programs at the University of Minnesota	Yoshi Shimizu, PhD MD/PhD Program Director  Jon Gottesman, PhD Summer Internships Programs Director
10.	November 7, 2018	Recruitment Seminar Johns Hopkins University	Steven Farber, PhD Director of Admissions Johns Hopkins University CMDDB Program Principal Investigator, Carnegie Institution
11.	November 9, 2018	Recruitment Seminar Northwestern University	Damon Williams, MBA Assistant Dean of Diversity and Inclusion Graduate Diversity Officer The Office of Diversity & Inclusion
12.	November 21, 2018	Recruitment Seminar Case Western Reserve University	Carlos E. Crespo, PhD Associate Professor Department of Chemistry Co-director of the Center for Chemical Dynamics
13.	November 28, 2018	Recruitment Seminar University of Cincinnati	Burns C. Blaxall, PhD, FAHA Director of Translational Science, Heart Institute Professor, UC Department of Pediatrics
14.	January 23, 2019	Palladium catalysis for organic synthesis, trace metal analysis, and bioorthogonal chemistry and research	Kazonuri Koide PhD Department of Chemistry

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		opportunities at the University of Pittsburgh	University of Pittsburgh
15.	January 30, 2019	Recruitment Seminar	Corina Burger, PhD Associate Professor of Neurology Graduate Program in Cellular & Molecular Pathology University of Wisconsin-Madison
16.	March 6, 2019	<i>Programas doctorales y oportunidades en la Universidad de Loma Linda en California</i>	Marino de León, PhD Physiology Division Loma Linda University

### Special Seminars or Workshops

<b>No.</b>	<b>DATE</b>	<b>SEMINAR / WORKSHOP / MEETING</b>	<b>SPEAKER (S)</b>
1.	August 17, 2018	Ethics Seminar	Félix A. Castrodad, PhD Retired Professor UPR-Humacao
2.	August 22, 2018	Administrative Meeting/ABRCMS Abstract Orientation	Orestes Quesada, PhD MARC & RISE Coordinator
3.	August 29, 2018	How to submit your abstract for the ABRCMS	Orestes Quesada, PhD MARC & RISE Coordinator
4.	October 17, 2018	Administrative Meeting & Tips for Poster and Oral Presentations	Orestes Quesada, PhD MARC & RISE Coordinator
5.	November 9, 2018	ABRCMS Informative Meeting	Orestes Quesada, PhD MARC & RISE Programs Coordinator
6.	February 1, 2019	How to prepare a thesis or mini paper	Orestes Quesada, PhD MARC & RISE Programs Coordinator
7.	March 13, 2019	Discussion Panel "What is MARC & RISE"	MARC & RISE Undergraduate Students
8.	May 8, 2019	<i>¿Qué esperar de una entrevista para escuela graduada?</i>	Undergraduate Students MARC & RISE Programs

### Undergraduate Research Seminars

No.	DATE	SEMINAR / WORKSHOP / MEETING	SPEAKER (S)
1.	February 13, 2019	Isolation, structure elucidation and biological activity of secondary metabolites from the marine sponge <i>Hyrtios proteus</i>	Chelsi Almodóvar Department of Chemistry MARC Undergraduate Student
2.	February 20, 2019	Behavioral and neural mechanisms of threat-reward conflict	Albit J. Cabán Department of Biology MARC Undergraduate Students
3.	February 27, 2019	Synthesis of acetylenic fatty acids as potential drugs candidates for parasitic and bacterial diseases	Victorio Jauregui Department of Chemistry RISE Undergraduate Student
4.	March 20, 2019	Synthesis of $\alpha$ -branched heterocyclic ferrocenyl chalcones  Synthesis and characterization of ferrocene containing ligands for chelating and detectin FI(II)	Alondra S. Rodríguez Department of Chemistry  Axel O. Vera Sánchez Department of Chemistry  MARC Undergraduate Students
5.	March 27, 2019	Role and interdependence among cell proliferation, apoptosis and muscle cell dedifferentiation during early intestinal regeneration of the sea cucumber <i>Holothuria glaberrima</i>  Characterization of dispersion vehicles associated to pathogens in foodborne illnesses outbreaks	Josean Reyes Rivera Department of Biology MARC Undergraduate Student  Anibal Tornes Blanco Department of Biology RISE Undergraduate Student
7.	April 3, 2019	Cocaine administration alters PKM $\zeta$ and PKC $\delta$ expression in the ventral tegmental area and nucleus accumbens  Andrographolide mechanism of action in prostate cancer  The role of the innate immune receptor, PGRP-LC and alcohol tolerance and circadian rhythms	Tania M. Domínguez González RISE Undergraduate Student  Andrés López Rivas MARC Undergraduate Students  Melina Pérez Torres MARC Undergraduate Students

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8.	April 10, 2019	<p>Phospholipase A2 conjugated to wheat germ agglutinin as a tool for the elucidation of the annular lipid composition of glycophorin in the intact human erythrocyte</p> <p>Identifying the vector(s) of <i>Anolis</i> malaria transmission in Puerto Rico</p> <p>Air quality monitoring after hurricane impact: a study of trace gasses using low-cost sensors</p>	<p>Tatiana P. Ortiz Serrano Department of Biology</p> <p>Judith M. Reyes Ballista Department of Biology</p> <p>Felipe A. Rivera Almodóvar Department of Chemistry</p> <p>MARC Undergraduate Students</p>
9.	April 24, 2019	<p>Fusarium spp. as fungal pathogens of Coffee Berry Disease in Puerto Rico</p> <p>Exploring galactose oxidase as a chemical probe for complex sugars</p> <p>Towards the synthesis of ferrocenyl pentamidine analogs as potential antimalarial agents</p>	<p>Natalia Aponte Borges Department of Biology</p> <p>Franklin J. Avilés Vázquez Department of Chemistry</p> <p>José F. Mercado Ortiz Department of Chemistry</p> <p>MARC Undergraduate Students</p>
10.	May 1, 2019	<p>Describing the neural circuitry that drives head-grooming behaviors in <i>Drosophila</i></p> <p>Identification and characterization of BSL78 in the sea cucumber <i>Holothuria glaberrima</i></p>	<p>Adrián Alejandro García Department of Biology</p> <p>Adrianna Rivera Department of Biology</p> <p>RISE Undergraduate Students</p>

### Graduate Research Seminars

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1.	October 19, 2018	Molecular characterization of non-clinical isolates of <i>Escherichia .coli</i> as a potential gene reservoir	Alfredo A. González Cintrón Graduate Student & RISE Participant Department of Biology UPR-Río Piedras
2.	November 30, 2018	Short summer research experiences based on the CRISPR Cas 9 technique strongly impact high school science identity	Liz M. Hernández Matías Graduate Student & RISE Participant Department of Biology UPR-Río Piedras