

Non-Competing Continuation (Type 5) RISE Grant Applications
 Table 6 – Research Publications Co-authored by RISE-supported Participants
 Reporting Period: Cycle 3: 2008-2010

Student Name (Year of Entry)	Student Academic Level	Mentor (s)	Publications (PMCID, if applicable)	Electronic Link (if available)
Toro-Nieves, Dianedis M. (2000)	Ph.D.	Dr. Loyda M. Melendez	Toro-Nieves DM , Rodriguez Y, Plaud M, Ciborowski P, Duan F, Pérez Laspiur J, Wojna V, Meléndez LM. <u>Proteomic analyses of monocyte-derived macrophages infected with human immunodeficiency virus type 1 primary isolates from Hispanic women with and without cognitive impairment.</u> J Neurovirol. 2009 Jan;15(1):36-50. Epub 2008 Dec 26. PMID: 19115125	http://informahealthcare.com/doi/abs/10.1080/13550280802385505
Meléndez-Negron, Margarita (2003)	Ph.D.	Dr. José F. Rodríguez-Orengo	Meléndez M , Rosario O, Zayas B, Rodríguez JF. <u>HPLC-MS/MS method for the intracellular determination of ribavirin monophosphate and ribavirin triphosphate in CEM ss cells.</u> Pharm Biomed Anal. 2009 Jul 12;49(5):1233-40. Epub 2009 Feb 13. PMID: 19398292 [PubMed - in process]	http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6TGX-4VKXC25-1&_user=1647929&_coverDate=07%2F12%2F2009&_rdoc=1&_fmt=high&_orig=search&_sort=d&_docanchor=&_view=c&_acct=C000054082&_version=1&_urlVersion=0&_userid=1647929&md5=1defb3d0e72668c496d48fffa147512
Acevedo-Torres, Karina (2004)	Ph.D.	Dr. Carlos A. Torres	Acevedo-Torres K , Berríos L, Rosario N, Dufault V, Skatchkov S, Eaton MJ, Torres-Ramos CA, Ayala-Torres S. <u>Mitochondrial DNA damage is a hallmark of chemically induced and the R6/2 transgenic model of Huntington's disease.</u> DNA Repair (Amst). 2009 Jan 1;8(1):126-36. Epub 2008 Nov 20. PMID: 18935984 PMID: 18935984 Acevedo-Torres K, Fonseca-Williams S , Ayala-Torres S, Torres-Ramos CA. <u>Requirement of the Saccharomyces cerevisiae APN1 gene for the repair of mitochondrial DNA alkylation damage.</u> Environ Mol Mutagen. 2009 May;50(4):317-27. PMID: 19197988 PMID: 19197988 PMCID: PMC2858446	http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6X17-4TYPJDF-1&_user=1647929&_coverDate=01%2F01%2F2009&_rdoc=1&_fmt=high&_orig=search&_sort=d&_docanchor=&_view=c&_acct=C000054082&_version=1&_urlVersion=0&_userid=1647929&md5=9a30d9fb944aefdc75c82e097cdc9e59 http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2858446/?tool=pubmed
Lugo-Escobar, Natasha (2004)	Ph. D.	Dr. Annabell C. Segarra	Segarra AC, Agosto-Rivera JL, Febo M, Lugo-Escobar N, Menéndez-Delmestre R, Puig-Ramos A, Torres-Díaz YM . <u>Estradiol: A key biological substrate mediating the response to cocaine in female rats.</u> Horm Behav. 2009 Dec 21. [Epub ahead of print] PMID: 20026119	http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6WGC-4Y051GP-1&_user=1647929&_coverDate=06%2F30%2F2010&_rdoc=1&_fmt=high&_orig=search&_sort=d&_docanchor=&_view=c&_acct=C000054082&_version=1&_urlVersion=0&_userid=1647929&md5=7e2048e2edcc33573854488343c0f51d
Menéndez-Delmestre,	Ph. D.	Dr. Annabell C. Segarra	Estradiol: A key biological substrate mediating the response to cocaine in female rats.	

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Raissa (2004)				
Rodríguez-Quiñones, José F. (2004)	Ph. D.	Dr. José Rodríguez-Medina	Rodríguez-Quiñones JF , Rodríguez-Medina JR. <u>Differential gene expression signatures for cell wall integrity found in chitin synthase II (chs2Delta) and myosin II (myo1Delta) deficient cytokinesis mutants of Saccharomyces cerevisiae.</u> BMC Res Notes. 2009 May 9;2:87. PMCID: PMC2684100	http://www.biomedcentral.com/1756-0500/2/87 http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2684100/?tool=pubmed
Santiago-Santana, José M. (2004)	Ph. D.	Dr. Jorge D. Miranda	Santiago JM, Rosas OR , Torrado AI, Miranda JD, Kalyan-Masih PO, González JD. <u>Molecular, Anatomical, Physiological and Behavioral studies of rats treated with Buprenorphine after spinal cord injury</u> J Neurotrauma. 2009 Oct;26(10):1783-93. PMID: 19653810 PMCID: PMC2864459	http://www.ncbi.nlm.nih.gov/pubmed/19653810
García-Crespo Katia E. (2004)	Ph.D.	Dr. Loyda M. Meléndez	García K , García V, Pérez Laspiur J, Duan F, Meléndez LM. <u>Characterization of the placental macrophage secretome: implications for antiviral activity.</u> Placenta. 2009 Feb;30(2):149-55. Epub 2008 Dec 12. PMID: 19070362 PMID: 19070362	http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6WPD-4V4KC9R-1&_user=1647929&_coverDate=02%2F28%2F2009&_rdoc=1&_fmt=high&_orig=search&_sort=d&_docanchor=&_view=c&_acct=C000054082&_version=1&_urlVersion=0&_userid=1647929&md5=1ee3d8f05306887de954af5865386c4c
Luciano-Montalvo, Claribel (2004)	Ph.D.	Dr. Loyda M. Meléndez	Luciano-Montalvo C , Meléndez LM. <u>Cystatin B associates with signal transducer and activator of transcription 1 in monocyte-derived and placental macrophages.</u> Placenta. 2009 May;30(5):464-7. Epub 2009 Apr 1. PMID: 19342095 PMCID: PMC2683624 Luciano-Montalvo C , Ciborowski P, Duan F, Gendelman HE, Meléndez LM. <u>Proteomic analyses associate cystatin B with restricted HIV-1 replication in placental macrophages.</u> Placenta. 2008 Dec;29(12):1016-23. Epub 2008 Oct 31. PMID: 18951626	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2683624/?tool=pubmed http://www.sciencedirect.com/science?_ob=GatewayURL&_origin=inwardhub&_urlVersion=4&_method=citationSearch&_piikey=S014340040800307X&_version=1&_referrer=http%3A%2F%2Fwww.ncbi.nlm.nih.gov%2Fsites%2Fpubmed&md5=a424fc1ea0f34720b4f2da3d9629c96d
González-Pons, María (2006)	Ph. D.	Dr. Adelfa Serrano	González-Pons M, Szeto AC , González-Méndez R, Serrano AE. <u>Identification and bioinformatic characterization of a multidrug resistance associated protein (ABCC) gene in Plasmodium berghei.</u> Malar J. 2009 Jan 2;8:1. PMCID: PMC2630995	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2630995/?tool=pubmed
González-Velázquez, Waleska (2006)	Ph. D.	Dr. Nuri Rodríguez	Valentín-Berrios S, González-Velázquez W, Pérez-Sánchez L , González-Méndez R, Rodríguez-Del Valle N. <u>Cytosolic phospholipase A2: a member of the signaling pathway of a new G protein alpha subunit in</u>	http://www.biomedcentral.com/1471-2180/9/100 http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2694196/?tool=pubmed

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			<i>Sporothrix schenckii</i> . BMC Microbiol. 2009 May 19;9:100 PMID: 19454031 PMCID: PMC2694196	
Martínez-Rubio Fontané, Clarissa (2006)	Ph. D.	Dr. Mark W. Miller	<p>Martínez-Rubio C, Serrano GE, Miller MW. Localization of biogenic amines in the foregut of <i>Aplysia californica</i>: catecholaminergic and serotonergic innervation. J Comp Neurol. 2009 Jun 1;514(4):329-42. PMID: 19330814</p> <p>Wentzell MM, Martínez-Rubio C, Miller MW, Murphy AD. Comparative neurobiology of feeding in the opisthobranch sea slug, <i>Aplysia</i>, and the pulmonate snail, <i>Helisoma</i>: evolutionary considerations. Brain Behav Evol. 2009;74(3):219-30. Epub 2009 Dec 21. Review. PMID: 20029185 PMCID: PMC2855281</p> <p>Martínez-Rubio C, Serrano GE, Miller MW. Octopamine promotes rhythmicity but not synchrony in a bilateral pair of bursting motor neurons in the feeding circuit of <i>Aplysia</i>. J Exp Biol. 2010 Apr;213(Pt 7):1182-94. PMID: 20228355 PMCID: PMC2837736</p>	<p>http://www.interscience.wiley.com/journal/12264643/abstract</p> <p>http://www.ncbi.nlm.nih.gov/pubmed/20029185</p> <p>http://www.ncbi.nlm.nih.gov/pubmed/20228355</p>
Pastrana-Mena, Rebecca (2006)	Ph. D.	Dr. Adelfa Serrano	Vega-Rodríguez J , Franke-Fayard B, Dinglasan RR, Janse CJ, Pastrana-Mena R , Waters AP, Coppens I, Rodríguez-Orengo JF, Jacobs-Lorena M, Serrano AE. The glutathione biosynthetic pathway of <i>Plasmodium</i> is essential for mosquito transmission. PloS Pathog. 2009 Feb;5(2):e1000302. Epub 2009 Feb 20. PMID: 19229315 PMCID: PMC2636896	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2636896/?tool=pubmed
Vélez-Hernández, María E. (2006)	Ph. D.	Dr. Carlos A. Jiménez	Inyushin MU, Arencibia-Albite F, Vázquez-Torres R, Vélez-Hernández ME , Jiménez-Rivera CA. Alpha-2 noradrenergic receptor activation inhibits the hyperpolarization-activated cation current (I _h) in neurons of the ventral tegmental area. Neuroscience. 2010 May 5;167(2):287-97. Epub 2010 Feb 1. PMID: 20122999 PMCID: PMC2854519	<p>http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6T0F-4Y95V70-3&_user=1647929&_coverDate=05%2F05%2F2010&_rdoc=1&_fmt=high&_orig=search&_sort=d&_docanchor=&_view=c&_acct=C000054082&_version=1&_urlVersion=0&_userid=1647929&_md5=fedf3d14ef42c814df37af5115dde3c3</p> <p>http://www.ncbi.nlm.nih.gov/pubmed/20122999</p>
García-Crescioni, Keyla B. (2007)	Ph. D.	Dr. Mark W. Miller	<p>Stern E, García-Crescioni K, Miller MW, Peskin CS, Brezina V A method for decoding the neurophysiological spike-response transform. J Neurosci Methods 2009 184(2):337-56. PMID: 19695289 PMCID: PMC2767462</p> <p>García-Crescioni K, Stern E, Fort T, Brezina V, Miller MW Feedback from peripheral musculature to central pattern generator in the neurogenic heart of the crab <i>Callinectes sapidus</i>: Role of mechanosensitive dendrites. J Neurophysiol 2010 103(1):83-96. PMID:</p>	<p>http://www.ncbi.nlm.nih.gov/pubmed/19695289</p> <p>http://www.ncbi.nlm.nih.gov/pubmed/19828726</p> <p>http://jn.physiology.org/cgi/content/full/103/1/83</p>

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			19828726 PMCID: PMC2807241	
Morales-Colón, Adelaida (2007)	Ph. D.	Dr. Ana M. Espino	Espino AM, Morales A , Delgado B, Rivera FM, Figueroa O , Suárez E. <u>Partial Immunity to Fasciola Hepatica in Mice after Vaccination with FH SAP2 delivered as recombinant protein or DNA construct.</u> Ethn Dis. 2010 Winter;20(1 Suppl 1):S1-17-23. PMID: 20521379	http://www.ncbi.nlm.nih.gov/pubmed/20521379
Reyes-Colón, Dalynés (2007)	Ph. D.	Dr. María A. Sosa	Cloning and immunoreactivity of the 5-HT 1Mac and 5-HT 2Mac receptors in the central nervous system of the freshwater prawn <i>Macrobrachium rosenbergii</i> Reyes-Colón D, Vázquez-Acevedo N , Rivera NM, Jezzini SH, Rosenthal J, Ruiz-Rodríguez EA, Baro DJ, Kohn AB, Moroz L, Sosa MA. <u>Cloning and distribution of a putative octopamine/tyramine receptor in the central nervous system of the freshwater prawn <i>Macrobrachium rosenbergii</i>.</u> Brain Res. 2010 Jun 14. PMID: 20558147	http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6SYR-509W79P-4&_user=1647929&_coverDate=06%2F15%2F2010&_rdoc=1&_fmt=high&_orig=search&_sort=d&_docanchor=&_view=c&_acct=C000054082&_version=1&_urlVersion=0&_userid=1647929&_md5=342625a6fde77689815c97d87f8505b8
Rosas-Virella, Odrick R. (2007)	Ph. D.	Dr. Jorge D. Miranda	Molecular, Anatomical, Physiological and Behavioral studies of rats treated with Buprenorphine after spinal cord injury	
Vázquez-Acevedo, Nietzell (2007)	Ph. D.	Dr. María A. Sosa	Vázquez-Acevedo N, Reyes-Colón D , Ruiz-Rodríguez EA, Rivera NM, Rosenthal J, Kohn AB, Moroz LL, Sosa MA. <u>Cloning and immunoreactivity of the 5-HT 1Mac and 5-HT 2Mac receptors in the central nervous system of the freshwater prawn <i>Macrobrachium rosenbergii</i>.</u> : J Comp Neurol. 2009 Apr 1;513(4):399-416. PMID: 19184976 PMCID: PMC2719784 Cloning and distribution of a putative octopamine/tyramine receptor in the central nervous system of the freshwater prawn <i>Macrobrachium rosenbergii</i> .	http://www3.interscience.wiley.com/journal/121668940/abstract http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2719784/?tool=pubmed
Ortiz-Martínez, Mario G. (2008)	Ph. D.	Dr. Braulio Jiménez	Role of Chemical and Biological Constituents of PM10 from Saharan Dust in the Exacerbation of Asthma in Puerto Rico Mario Ortiz-Martínez, Evasomary Rivera-Ramirez , Loyda Mendez-Torres and Braulio.D. Jimenez-Velez Biodiversity Science for Humanity Edited by Michael Theophanides and Theophile	http://www.atiner.gr/docs/2010EnviBook_CONT.htm

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			Theophanides ISBN: 978-960-6672-41-5, 300 pages First published in 2010 by ATINER	
Pérez-Sánchez, Lizaida (2008)	Ph. D.	Dr. Nuri Rodríguez	Cytosolic phospholipase A2: a member of the signaling pathway of a new G protein alpha subunit in <i>Sporothrix schenckii</i>	
Rivera-Ruiz Marielis E, (2008)	Ph. D.	Dr. José F. Rodríguez-Medina	Antifungal research strategies aiming for new targets.	
Rodríguez-Guilbe, María M. (2008)	Ph.D.	Dr. Abel Baerga	Akerboom J, Rivera JD, Guilbe MM , Malavé EC, Hernandez HH, Tian L, Hires SA, Marvin JS, Looger LL, Schreier ER. <u>Crystal structures of the GCaMP calcium sensor reveal the mechanism of fluorescence signal change and aid rational design.</u> J Biol Chem. 2009 Mar 6;284(10):6455-64. Epub 2008 Dec 18. PMCID: PMC2649101	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2649101/?tool=pubmed
Torres-Díaz, Yvonne M. (2008)	Ph. D.	Dr. Annabell C. Segarra	Estradiol:A key biological substrate mediating the response to cocaine in female rats.	
Figueroa-Santiago, Olgary (2009)	Ph. D.	Dr. Ana M. Espino	Partial Immunity to Fasciola Hepatica in Mice after Vaccination with FH SAP2 delivered as recombinant protein or DNA construct	
Pagán-Mercado, Glorivee (2009)	Ph. D.	Dr. José R. Rodríguez-Medina	Pagán-Mercado G, Rivera-Ruiz ME , Segarra-Román F, Rodríguez-Medina JR. <u>Antifungal research strategies aiming for new targets.</u> P R Health Sci J. 2009 Sep;28(3):220-6. PMID: 19715114	http://www.ncbi.nlm.nih.gov/pubmed/19715114

Instructions: Applications with only one previous funding cycle must include information from the last funding cycle. Applications with more than one previous funding cycle must include information from the last two consecutive funding cycles. List RISE supported students sequentially by the year of entry and provide the academic level while supported by the program. Provide the name of the mentor that participated in the research project and the citation of publications resulting for the student's work highlighting the name of the program-supported student. Provide the PubMed Central Reference Number (PMCID), if the publication acknowledges the RISE grant, and the electronic link to the publication, if available. Do not include conference presentations or abstracts.