

SAMPLE FORMAT TABLE 6 FOR RENEWAL (TYPE 2) COMPETING RISE GRANT APPLICATIONS

Table 6. Research Publications Co-authored by RISE-supported Participants (reporting period: 2004-2008)

Student Name (Year of Entry)	Student Academic Level (UG / M.S. / Ph.D.)	Mentor(s)	Publications (PMCID, if applicable)	Electronic Link (if available)
Rivera-Molina, Félix E. (2000)	Ph.D.	Dr José R. Rodríguez-Medina	<p>F. E. Rivera-Molina, Y. Maldonado-De la Cruz, J. M. Ortiz-Betancourt and J.R. Rodríguez-Medina, 2,3-butanedione monoxime increases sensitivity to nikkomycin Z in the budding yeast <i>Saccharomyces cerevisiae</i> <i>World J Microbiol Biotechnol</i> (2006)22(3);255-260.</p> <p>F. E. Rivera-Molina, N. L. Díaz-Blanco, J. F. Rodríguez-Quiñones, and J. R. Rodríguez-Medina (2006) Interplay between the protein recycling pathway and susceptibility to Nikkomycin Z in the budding yeast <i>Saccharomyces cerevisiae</i>. <i>Recent Res. Devel. Mol. and Cell. Biol.</i>, 6:109-120, ISBN:81-308-0131-0 <i>Research Signpost</i> 37/661(2), Fort P.O.,Trivandrum-695 023, Kerala, India. (Book chapter)</p>	http://www.springerlink.com/content/7n267530r6253005/
Toro-Nieves, Dianedis M. (2000)	Ph.D.	Dr Loyda M. Meléndez	<p>Toro Nieves D, Plaud M, Wonja V, Skolasky R, Melendez LM. Characterization of peripheral blood HIV isolates from Hispanic women with cognitive impairment. <i>J NeuroVirol.</i> 2007 Vol. 13 pag 1-13.PMID: 17849315</p>	http://informahealthcare.com/doi/abs/10.1080/13550280701361508
Puig-Ramos, Anabel (2001)	Ph. D.	Dr Annabell C. Segarra	<p>Cruz-Orengo L, Figueroa JD, Velazquez I., Torrado A., Puig A, Hernandez C., Segarra A., Whittemore SR and Miranda JD. Reduction of EphA4 receptor expression after spinal cord injury does not induce axonal regeneration or return of MMEP response. <i>Neurosci Lett.</i> 2007 May 11;418(1):49-54. Epub 2007 Mar 12PMID: 17418490; PMCID: PMC2570091</p>	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2570091/

			<p>Cruz-Orengo L, Velazquez I, Torrado A, Ortiz C, Hernandez C, Puig A, Segarra A, Whittemore SR and Miranda JD Blocking EphA4 upregulation after spinal cord injury results in enhanced chronic pain. Experimental Neurology. 2006, 202, p.421-433 PMID: 16959251</p> <p>Puig-Ramos A, Santiago GS, Segarra AC. U-69593, a kappa opioid receptor agonist, decreases cocaine-induced behavioral sensitization in female rats. Behav Neurosci. 2008 Feb;122(1):151-60. PMID: PMC2668127</p>	<p>http://www.science-direct.com/science/article/pii/S001448860600402X</p> <p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2668127/</p>
Calderón-Márquez, Adrián J. (2002)	Ph. D.	Dr Julio A. Lavergne	<p>Calderón, A.J, Lavergne, J.A; RNA Interference: a Novel and Physiologic Mechanism of Gene Silencing with Great Therapeutic Potencial. PR Health Sci J. 2005 Mar;24(1):27-33. PMID: 15895874</p>	
Fuentes-Mattei, Enrique (2002)	Ph. D.	Dr Braulio Jiménez	<p>Jiménez B.D., Gioda A. and Fuentes-Mattei, E., Organic and Aqueous Extracts from Particulate Matter (PM2.5) and their Effects on the Immunological Response of Beas Cells," Metal Ion in Biology and Medicine 2006 Book Chapter</p> <p>Fuentes-Mattei E, Rivera E, Gioda A, Sanchez-Rivera D, Roman-Velazquez FR, Jimenez-Velez BD. Use of human bronchial epithelial cells (BEAS-2B) to study immunological markers resulting from exposure to PM(2.5) organic extract from Puerto Rico. Toxicol Appl Pharmacol. 2010 Mar 15;243(3):381-9. Epub 2009 Dec 21. PMID:20026096 PMCID: PMC2925116</p> <p>Gioda A, Fuentes-Mattei E, Jimenez-Velez B (2011) Evaluation of cytokine expression in BEAS cells exposed to fine particulate matter (PM2.5) from specialized indoor environments. Int J Environ Health Res 21(2):106-19. PMID: 21424968</p>	<p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2925116/</p> <p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3785544/</p>
Valentín-Berrios, Shirley (2002)	Ph.D.	Dr Nuri Rodríguez	<p>Valle-Aviles L, Valentin-Berrios S, Gonzalez-Mendez RR, Rodriguez-Del Valle N. Functional, genetic and bioinformatic characterization of a calcium/calmodulin kinase gene in Sporothrix schenckii. BMC Microbiol. 2007 Nov 29;7:107. PMID: PMC2242797; PMID: PMC2242797</p>	<p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2242797/</p>

Meléndez-Negrón, Margarita (2003)	Ph.D.	Dr José F. Rodríguez-Orengo	Meléndez, M. , Blanco, R., Delgado, W., García, R., Santana, J., García, H., Rosario, O., Rodríguez, J.F. .Lack of evidence for in vivo transformation of zidovudine triphosphate to stavudine triphosphate in human immunodeficiency virus-infected patients. (2006). Antimicrobial Agents Chemotherapy, Vol.50, 835-40. PMID: 16495240 [PMCID: PMC1426443]	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1426443/
Rivera-Rivera, Linda E. (2003)	Ph.D.	Dr Carmen L. Cadilla	Rivera L , López-Garriga J, Cadilla CL. Characterization of the full length mRNA coding for Lucina pectinata HbIII revealed an alternative polyadenylation site. Gene. 2008 Feb 29;410(1):122-8. Epub 2008 Jan 28. PMID: 18222617 [PMCID: PMC2275813]	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2275813/
Scharbaai-Vázquez, Ramón (2003)	Ph.D.	Dr Luis J. Torres-Bauzá	Scharbaai-Vázquez, R. , Candelas, T., Torres-Bauza, L.J. Mobilization of the gonococcal 5.2kb betalactamase plasmid Psj5.2 into Escherichia coli by cointegration with several Gram-conjugative plasmids. Plasmid 2007, 57 (2): 156-164. PMID: 17027960 PMCID: PMC1973139. Scharbaai-Vázquez R , González-Carballo AL, Torres-Bauzá LJ. Four different integrative recombination events involved in the mobilization of the gonococcal 5.2 kb beta-lactamase plasmid pSJ5.2 in Escherichia coli. Plasmid. 2008 Nov;60(3):200-11. Epub 2008 Sep 26. PMID:18778732 PMCID: PMC2615557	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1973139/ http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2615557/
Velázquez-Torres, Guermarie (2003)	MS	Dr Walter I. Silva	Silva WI., Maldonado HM., Velázquez G. , Rubio-Dávila, M., Miranda JD., Aquino E., Mayol, N., Cruz-Torres, A., Jardon J., Salgado-Villanueva IK., Caveolin isoform expression during differentiation of C6 glioma cells, Int J Dev Neurosci, 2005, Vol. 23, 599-612 PMID: 16135403 Silva, WI; Maldonado, HM; Velázquez, G., García, J; González, F. Caveolins in Glial Cell Model Systems: From Detection to Significance. Journal of Neurochemistry. 2007. Nov;103 Suppl 1:101-12.PMID: 17986145	http://www.science-direct.com/science/article/pii/S0736574805000936
Arocho-Martínez, Luz C. (2004)	Ph.D.	Dr. María J. Crespo	Crespo, M., Zalacain, J., Cruz, N., Dunbar, D., Arocho, L. (2007) Cardiac Oxidative Stress is elevated at the Onset of Dilated Cardiomyopathy in STZ-	

			<p>diabetic rats. J Vascular Pharmacology. Mar;13(1):64-71.PMID: 18287592</p> <p>Cruz N, Arocho L, Rosario L, Crespo MJ. Chronic Administration of Carvedilol Improves Cardiac Function in 6-Month-Old Syrian Cardiomyopathic Hamsters. Pharmacology. 2007;80(2-3):144-50. Epub 2007 May 29. PMID: 17534124</p>	
Lugo-Escobar, Natasha (2004)	Ph.D.	Dr Annabell Segarra	<p>Culm KE, Lugo-Escobar N, Hope BT, Hammer RP Jr. Repeated quinpirole treatment increases cAMP-dependent protein kinase activity and CREB phosphorylation in nucleus accumbens and reverses quinpirole-induced sensorimotor gating deficits in rats. Neuropsychopharmacology. 2004 Oct;29(10):1823-30. PMID: 15138441</p>	<p>http://www.nature.com/npp/journal/v29/n10/full/1300483a.html</p>
Rodríguez-Quiñones, José F. (2004)	Ph.D.	Dr José R. Rodríguez-Med	<p>Rodríguez-Quiñones JF, Irizarry RA, Díaz-Blanco NL, Rivera-Molina FE, Gómez-Garzón D, Rodríguez-Medina JR. Global mRNA expression analysis in myosin II deficient strains of Saccharomyces cerevisiae reveals an impairment of cell integrity functions. BMC Genomics. 2008 Jan 23;9:34. PMID: PMC2253530</p> <p>F. E. Rivera-Molina, N. L. Díaz-Blanco, J. F. Rodríguez-Quiñones, and J. R. Rodríguez-Medina (2006) Interplay between the protein recycling pathway and susceptibility to Nikkomycin Z in the budding yeast Saccharomyces cerevisiae. Recent Res. Devel. Mol. and Cell. Biol., 6:109-120,</p>	<p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2253530/</p>
García-Colón, José O. (2005)	Ph.D.	Dr Walter I. Silva	<p>Silva, WI; Maldonado, HM; Velázquez, G., García, J; González, F. Caveolins in Glial Cell Model Systems: From Detection to Significance. Journal of Neurochemistry. 2007. Nov;103 Suppl 1:101-12.PMID: 17986145</p>	<p>http://onlinelibrary.wiley.com/doi/10.1111/j.1471-4159.2007.04712.x/abstract</p>
Vazquez-Quiñones, Luis E. (2005)	Ph.D.	Dr Sixto Garcia	<p>Vázquez-Quiñones LE, García-Castiñeiras S. A comparative study of iron-related metabolic parameters in the eye of three animal species. P R Health Sci J. 2007 Dec;26(4):373-83. PMID: 18246966</p>	
Velázquez-Figueroa, Kandy T. (2005)	MS	Dr Juan C. Jorge	<p>JC Jorge, K Velazquez, D. Ramos, I Lorenzini, J Marrero, C Maldonado. A testosterone metabolite is rewarding to ovariectomized female rats. Behavioral Neuroscience , 2005 Vol 119(5) 1222-6</p>	<p>http://psycnet.apa.org/journals/bne/119/5/1222/</p>

			<p>PMID: 16300429</p> <p>JC-Rivera, L Morales, N Vargas, K Velásquez, JC Jorge, 2006, Central effects of the anabolic steroid 17alpha methyltestosterone in female anxiety. Pharmacol Biochem Behav. 2006 Jun;84(2):275-81. Epub 2006 Jun 30. PMID: 16814373</p>	<p>http://www.science-direct.com/science/article/pii/S0091305706001420</p>
Cruz-Díaz, Nildris (2006)	MS	Dr. María J. Crespo	<p>Cruz N, Arocho L, Rosario L, Crespo MJ. Chronic Administration of Carvedilol Improves Cardiac Function in 6-Month-Old Syrian Cardiomyopathic Hamsters. Pharmacology. 2007;80(2-3):144-50. Epub 2007 May 29. PMID: 17534124</p> <p>Crespo, M., Zalacain, J., Cruz, N., Dunbar, D., Arocho, L. (2007) Cardiac Oxidative Stress is elevated at the Onset of Dilated Cardiomyopathy in STZ-diabetic rats. J Vascular Pharmacology. Mar;13(1):64-71. PMID: 18287592</p>	<p>http://www.karger.com/Article/Abstract/103254</p> <p>http://cpt.sagepub.com/content/13/1/64.long</p>
Martínez-Rubio Fontané, Clarissa (2006)	Ph.D.	Dr. Mark W. Miller	<p>Serrano GE, Martinez-Rubio C, Miller MW. Endogenous motor neuron properties contribute to a program-specific phase of activity in the multifunctional feeding central pattern generator of Aplysia. J Neurophysiol. 2007: 98(1):29-42 PMID: 17392419</p>	<p>http://jn.physiology.org/content/98/1/29.long</p>
Castillo-Pichardo, Linette (2004)	Ph.D.	Dr. Suranganie Dharmawardhane	<p>Schlachterman A, Valle F, Wall KM, Azios NG, Castillo L, Morell L, Washington AV, Cubano LA, Dharmawardhane SF. Combined resveratrol, quercetin, and catechin treatment reduces breast tumor growth in a nude mouse model. Transl Oncol. 2008 Mar;1(1):19-27. PMID: 18607509 [PubMed - in process] PMID: PMC2510765</p> <p>Castillo-Pichardo L, Martínez-Montemayor MM, Martínez JE, Wall KM, Cubano LA, Dharmawardhane S. Inhibition of mammary tumor growth and metastases to bone and liver by dietary grape polyphenols. Clin Exp Metastasis. 2009;26(6):505-16. Epub 2009 Mar 18. PMID:19294520 PMID: PMC2898569</p>	<p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2510765/</p> <p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2898569/</p>

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.

SAMPLE FORMAT TABLE 6 FOR RENEWAL (TYPE 2) COMPETING RISE GRANT APPLICATIONS

Table 6. Research Publications Co-authored by RISE-supported Participants (reporting period: 2008-2012)

Student Name (Year of Entry)	Student Academic Level (UG / M.S. / Ph.D.)	Mentor(s)	Publications (PMCID, if applicable)	Electronic Link (if available)
Toro-Nieves, Dianedis M. (2000)	Ph.D.	Dr Loyda M. Melendez	<p>Toro-Nieves DM, Rodriguez Y, Plaud M, Ciborowski P, Duan F, Pérez Laspiur J, Wojna V, Meléndez LM. Proteomic analyses of monocyte-derived macrophages infected with human immunodeficiency virus type 1 primary isolates from Hispanic women with and without cognitive impairment. J Neurovirol. 2009 Jan;15(1):36-50. Epub 2008 Dec 26. PMID: 19115125 PMCID: PMC2947716</p> <p>Meléndez LM, Colon K, Rivera L, Rodriguez-Franco E, Toro-Nieves D. Proteomic analysis of HIV-infected macrophages. Journal of NeuroImmune Pharmacology. 2011. 6(1):89-106. PMCID: PMC3028070</p>	<p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2947716/</p> <p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3028070/</p>
Puig-Ramos, Anabel (2001)	Ph.D.	Dr Anabell Segarra	<p>Segarra AC, Agosto-Rivera JL, Febo M, Lugo-Escobar N, Menéndez-Delmestre R, Puig-Ramos A, Torres-Diaz YM. Estradiol: A key biological substrate mediating the response to cocaine in female rats. Horm Behav. 2014.Feb;65(2):77-87 PMID: 20026119; PMCID: PMC3963412</p>	<p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3621914/</p>
Fuentes-Mattei, Enrique (2002)	Ph.D.	Dr Braulio Jimenez	<p>Gioda A, Fuentes-Mattei E, Jimenez-Velezb B. Evaluation of cytokine expression in BEAS cells exposed to fine particulate matter (PM2.5) from specialized indoor environments. Int J Environ Health Res. 2011 Apr; 21(2): 106–119. PMID: 21424968; PMCID: PMC3785544</p> <p>Fuentes-Mattei E, Rivera E, Gioda A, Sanchez-Rivera D, Roman-Velazquez FR, Jimenez-Velez BD. Use of human bronchial epithelial cells (BEAS-2B) to study immunological markers resulting from exposure to PM(2.5) organic extract from Puerto Rico. Toxicol Appl Pharmacol. 2010 Mar 15;243(3):381-9. PMID: 20026096; PMCID: PMC2925116</p>	<p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3785544/</p> <p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2925116/</p>
Meléndez-Negron, Margarita (2003)	Ph.D.	Dr. José F. Rodríguez-Orengo	<p>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. PMID: 19398292 PMCID: PMC4064832</p>	<p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4064832/</p>

			with [H] Glutamate Binding to Rat Synaptic Membranes. Evid Based Complement Alternat Med. 2011:403591. PMID: PMC3092575 Del Valle-Mojica LM , Cordero-Hernández JM, González-Medina G, Ramos-Vélez I, Berríos-Cartagena N, Torres-Hernández BA, Ortíz JG . Aqueous and Ethanolic Valeriana officinalis Extracts Change the Binding of Ligands to Glutamate Receptors.Evid Based Complement. Alternat Med. 2011:891819.PMID: 21151614. PMID: PMC2997533	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2997533/
Garcia-Crespo, Katia E. (2004)	Ph.D.	Dr Loyda M. Melendez	García K , García V, Pérez Laspiur J, Duan F, Meléndez LM. Characterization of the placental macrophage secretome: implications for antiviral activity. Placenta. 2009 Feb;30(2):149-55. PMID: 19070362 PMID: PMC2947718 García-Crespo K , Cadilla C, Skolasky R, Meléndez LM. Restricted HIV-1 replication in placental macrophages is caused by inefficient viral transcription. J Leukoc Biol. 2010 Apr;87(4):633-6. Epub 2009 Dec 30. PMID:20042472 PMID: PMC2858303	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2947718/ http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2858303/
Garcia-Nieves, Teresita (2004)	M.S.	Dr Idali Martinez	Pérez-Vélez ME, García-Nieves T , Colón-Sánchez C, Martínez I. Induction of neutralization antibodies in mice by Dengue-2 envelope DNA vaccines. P R Health Sci J. 2009 Sep;28(3):239-50. PMID: 19715116 PMID: PMC2897078	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2897078/
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 PMID: PMC2683624 Luciano-Montalvo C , Ciborowski P, Duan F, Gendelman HE, Meléndez LM. Proteomic analyses associate cystatin B with restricted HIV-1 replication in placental macrophages. Placenta. 2008 Dec;29(12):1016-23 PMID: 18951626; PMID: PMC3867688	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2683624/ http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3867668/
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-Diaz YM . Estradiol: A key biological substrate mediating the response to cocaine in female rats. Horm Behav. 2014.Feb;65(2):77-87 PMID: 20026119; PMID: PMC3963412	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3621914/
Menéndez-Delmestre,	Ph. D.	Dr Annabell	Segarra AC, Agosto-Rivera JL, Febo M, Lugo-Escobar N, Menéndez-Delmestre R, Puig-	http://www.ncbi.nlm.nih.gov/pmc/arti

Raissa (2004)		C. Segarra	<p>Ramos A, Torres-Diaz YM. Estradiol: A key biological substrate mediating the response to cocaine in female rats. <i>Horm Behav.</i> 2014.Feb;65(2):77-87 PMID: 20026119; PMCID: PMC3963412</p> <p>Menéndez-Delmestre R, Segarra AC. Testosterone is essential for cocaine sensitization in male rats. <i>Physiol Behav.</i> 2011 Jan 10;102(1):96-104 PMID: 20932851; PMCID:PMC3703101</p>	<p>cles/PMC3621914/</p> <p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3703101/</p>
Rodríguez-Quiñones, José F. (2004)	Ph. D.	Dr José Rodríguez-Medina	<p>Rodríguez-Quiñones JF, Rodríguez-Medina JR. Differential gene expression signatures for cell wall integrity found in chitin synthase II (chs2Delta) and myosin II (myo1Delta) deficient cytokinesis mutants of <i>Saccharomyces cerevisiae</i>. <i>BMC Res Notes.</i> 2009 May 9;2:87. PMCID: PMC2684100</p> <p>Rivera-Ruiz ME, Rodríguez-Quinones JF, Akamine P, Rodríguez-Medina JR. Post-transcriptional regulation in the myo1Δ mutant of <i>Saccharomyces cerevisiae</i>. <i>BMC Genomics;</i> 2010 11:690 PMID:21126371; PMCID:PMC3017085</p>	<p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2684100/</p> <p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3017085/</p>
Santiago-Santana, José M. (2004)	Ph. D.	Dr Jorge D. Miranda	<p>Santiago JM, Rosas OR, Torrado AI, Miranda JD, Kalyan-Masih PO, González JD. Molecular, Anatomical, Physiological and Behavioral studies of rats treated with Buprenorphine after spinal cord injury <i>J Neurotrauma.</i> 2009 Oct;26(10):1783-93. PMID: 19653810 PMCID: PMC2864459</p> <p>Rodríguez-Zayas AE, Torrado AI, Rosas OR, Santiago JM, Figueroa JD, Miranda JD (2011) Blockade of P2 Nucleotide Receptors After Spinal Cord Injury Reduced the Gliotic Response and Spared Tissue. <i>J Mol Neurosci.</i> 2012 Jan;46(1):167-176 PMID:21647706 PMCID:PMC3522077</p> <p>Rosas OR, Figueroa JD, Torrado AI, Rivera M, Santiago JM, Konig-Toro F, Miranda JD (2011) Expression and activation of ephexin is altered after spinal cord injury. <i>Dev Neurobiol.</i> 2011 Jul;71(7):595-607. PMID:20949525 PMCID:PMC3514508</p> <p>Arocho LC, Figueroa JD, Torrado AI, Santiago JM, Vera AE, Miranda JD. Expression profile and role of EphrinA1 ligand after spinal cord injury. <i>Cell Mol Neurobiol.</i> 2011 Oct;31(7):1057-69. PMID: 21603973; PMCID: PMC3216482</p>	<p>http://www.ncbi.nlm.nih.gov/pubmed/19653810</p> <p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3522077/</p> <p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3514508/</p> <p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3216482/</p>

<p>Casasnovas-Nieves, José (2005)</p>	<p>Ph. D.</p>	<p>Dr Carmen L. Cadilla</p>	<p>Tukel T, Šošić D, Al-Gazali LI, Erazo M, Casasnovas J, Franco HL, Richardson JA, Olson EN, Cadilla CL, Desnick RJ Homozygous nonsense mutations in TWIST2 cause Setleis syndrome. American Journal of Human Genetics.2010, 87(2):289-96. PMC2917720</p> <p>Franco H, Casasnovas J, Rodríguez-Medina JR, Cadilla,C Redundant or separate entities?—roles of Twist1and Twist2 as molecular switches during gene transcription. Nucleic Acids Research. 2011 March; 39(4): 1177–1186. PMC3045590</p> <p>Franco H, Casasnovas J, Leon R, Friesel R, Ge Y, Desnick R, Cadilla C. Nonsense mutations of the bHLH transcription factor TWIST2 found in Setleis Syndrome patients cause dysregulation of periostin. Int J Biochem Cell Biol. 2011 Oct; 43(10): 1523–1531.PMCID:PMC163740</p>	<p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2917720/</p> <p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3045590/</p> <p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3163740/</p>
<p>González-Pons, María (2006)</p>	<p>Ph. D.</p>	<p>Dr Adelfa Serrano</p>	<p>González-Pons M, Szeto AC, González-Méndez R, Serrano AE. Identification and bioinformatic characterization of a multidrug resistance associated protein (ABCC) gene in Plasmodium berghei.: Malar J. 2009 Jan 2;8:1. PMCID: PMC2630995</p> <p>Gerena Y, Gonzalez-Pons M, Serrano A E. Cytofluorometric detection of rodent Malaria parasites using red-excited fluoresecent dyes. Journal of International Society for Advancement of Cytometry Part A. 2011 Nov;79(11):965-972 PMCID:PMC3210507</p>	<p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2630995/</p> <p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3210507/</p>
<p>González-Velázquez, Waleska (2006)</p>	<p>Ph. D.</p>	<p>Dr Nuri Rodríguez</p>	<p>Valentín-Berrios S, González-Velázquez W, Pérez-Sánchez L, González-Méndez R, Rodríguez-Del Valle N. Cytosolic phospholipase A2: a member of the signaling pathway of a new G protein alpha subunit in Sporothrix schenckii. BMC Microbiol. 2009 May 19;9:100 PMID: 19454031PMCID: PMC2694196</p> <p>Rodriguez Caban J, Gonzalez-Velazquez W, Perez-Sanchez L, Gonzalez-Mendez R, Rodriguez-del Valle N (2011) Calcium/calmodulin kinase1 and its relation to thermotolerance and HSP90 in Sporothrix schenckii: an RNAi and yeast two-hybrid study. BMC Microbiology 11:162. PMCID:PMC146815</p> <p>Pérez-Sánchez L, González E, Colón-Lorenzo EE, González-Velázquez W, González-Méndez R, Rodríguez-del Valle N Interaction of the heterotrimeric G protein alpha subunit SSG-1 of Sporothrix schenckii with proteins related to stress response and fungal pathogenicity using a yeast two-hybrid assay. BMC Microbiology. 2010.</p>	<p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2694196/</p> <p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3146815/</p> <p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3018405/</p>

			10:317. PMID: PMC3018405	
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. <i>J Comp Neurol.</i> 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. <i>Brain Behav Evol.</i> 2009;74(3):219-30. Epub 2009 Dec 21. Review. PMID: 20029185 PMID: 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>. <i>J Exp Biol.</i> 2010 Apr;213(Pt 7):1182-94. PMID: 20228355 PMID: PMC2837736</p>	<p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4023389/</p> <p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2855281/</p> <p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2837736/</p>
Pastrana-Mena, Rebecca (2006)	Ph. D.	Dr Adelfa Serrano	<p>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. <i>PLoS Pathog.</i> 2009 Feb;5(2):e1000302. Epub 2009 Feb 20. PMID: 19229315 PMID: PMC2636896</p> <p>Pastrana-Mena R, Dinglasan RR, Franke-Fayard B, Vega-Rodríguez J, Fuentes-Caraballo M, Baerga-Ortiz A, Coppens I, Jacobs-Lorena M, Janse CJ, Serrano AE (2010) Glutathione reductase-null malaria parasites have normal blood stage growth but arrest during development in the mosquito. <i>J Biol Chem.</i> 285(35):27045-56. PMID: 20573956. PMID: PMC2930704</p>	<p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2636896/</p> <p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2930704/</p>
Rodríguez Cabán, Jorge (2006)	Ph.D.	Dr Nuri Rodríguez del Valle	<p>Rodríguez Caban J, Gonzalez-Velazquez W, Perez-Sanchez L, Gonzalez-Mendez R, Rodríguez-del Valle N (2011) Calcium/calmodulin kinase1 and its relation to thermotolerance and HSP90 in <i>Sporothrix schenckii</i>: an RNAi and yeast two-hybrid study. <i>BMC Microbiology</i> 11:162. PMID: PMC146815</p>	<p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3146815/</p>
Vélez-Hernández, María E. (2006)	Ph. D.	Dr Carlos A. Jiménez	<p>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. <i>Neuroscience.</i> 2010 May 5;167(2):287-97.</p>	<p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2854519/</p>

			Epub 2010 Feb 1. PMID: 20122999 PMCID: PMC2854519	
Franco-Coreano, Héctor (2007)	Ph. D.	Dr Carmen L. Cadilla	<p>Franco H, Casasnovas J, Rodríguez-Medina JR, Cadilla, C Redundant or separate entities?—roles of Twist1 and Twist2 as molecular switches during gene transcription. Nucleic Acids Research. 2011 March; 39(4): 1177–1186. PMC3045590</p> <p>Franco H, Casasnovas J, Leon R, Friesel R, Ge Y, Desnick R, Cadilla C. Nonsense mutations of the bHLH transcription factor TWIST2 found in Setleis Syndrome patients cause dysregulation of periostin. Int J Biochem Cell Biol. 2011 Oct; 43(10): 1523–1531. PMCID: PMC163740</p> <p>Tukel T, Šošić D, Al-Gazali LI, Erazo M, Casasnovas J, Franco HL, Richardson JA, Olson EN, Cadilla CL, Desnick RJ Homozygous nonsense mutations in TWIST2 cause Setleis syndrome. American Journal of Human Genetics. 2010, 87(2):289–96. PMC2917720</p>	<p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3045590/</p> <p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC163740/</p> <p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2917720/</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 Callinectes sapidus: Role of mechanosensitive dendrites. J Neurophysiol 2010 103(1):83-96. PMID: 19828726 PMCID: PMC2807241</p> <p>García-Crescioni K, Miller MW. Revisiting the Reticulum: Feedforward and Feedback Contributions to Motor Program Parameters in the Crab Cardiac Ganglion Microcircuit. J Neurophysiol. 2011 Jul 20. PMID: 21775716</p>	<p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2767462/</p> <p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2807241/</p> <p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3191840/</p>
Morales-Colón, Adelaida (2007)	Ph. D.	Dr Ana M. Espino	Espino AM, Morales A , Delgado B, Rivera FM, Figueroa O, Suárez E. Partial Immunity to Fasciola Hepatica in Mice after Vaccination with FH SAP2 delivered as recombinant protein or DNA construct. Ethn Dis. 2010 Winter;20(1 Suppl 1):S1-17-23. PMID: 20521379	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3260556/
Reyes-Colón, Dalynés (2007)	Ph. D.	Dr María A. Sosa	Reyes-Colón D, Vázquez-Acevedo N , Rivera NM, Jezzini SH, Rosenthal J, Ruiz-Rodríguez EA, Baro DJ, Kohn AB, Moroz L, Sosa MA. Cloning and distribution of a putative octopamine/tyramine receptor in the central nervous system of the freshwater prawn Macrobrachium rosenbergii. Brain Res. 2010 Jun	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2920218/

			<p>14. PMID: 20558147</p> <p>Vázquez-Acevedo N, Reyes-Colón D, Ruíz-Rodríguez EA, Rivera NM, Rosenthal J, Kohn AB, Moroz LL, Sosa MA. 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>. : J Comp Neurol. 2009 Apr 1;513(4):399-416. PMID: 19184976 PMCID: PMC2719784</p>	<p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2719784/</p>
Rosas-Virella, Odrick R. (2007)	Ph. D.	Dr Jorge D. Miranda	<p>Santiago JM, Rosas OR, Torrado AI, Miranda JD, Kalyan-Masih PO, González JD. Molecular, Anatomical, Physiological and Behavioral studies of rats treated with Buprenorphine after spinal cord injury J Neurotrauma. 2009 Oct;26(10):1783-93. PMID: 19653810 PMCID: PMC2864459</p> <p>Rodríguez-Zayas AE, Torrado AI, Rosas OR, Santiago JM, Figueroa JD, Miranda JD (2011) Blockade of P2 Nucleotide Receptors After Spinal Cord Injury Reduced the Gliotic Response and Spared Tissue. J Mol Neurosci. 2012 Jan;46(1):167-176 PMID:21647706 PMCID:PMC3522077</p> <p>Rosas OR, Figueroa JD, Torrado AI, Rivera M, Santiago JM, König-Toro F, Miranda JD (2011) Expression and activation of ephexin is altered after spinal cord injury. Dev Neurobiol. 2011 Jul;71(7):595-607. PMID:20949525 PMCID:PMC3514508</p>	<p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2864459/</p> <p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3522077/</p> <p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3514508/</p>
Vázquez-Acevedo, Nietzell (2007)	Ph. D.	Dr María A. Sosa	<p>Vázquez-Acevedo N, Reyes-Colón D, Ruíz-Rodríguez EA, Rivera NM, Rosenthal J, Kohn AB, Moroz LL, Sosa MA. 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>. : J Comp Neurol. 2009 Apr 1;513(4):399-416. PMID: 19184976 PMCID: PMC2719784</p> <p>Vázquez-Acevedo N, Rivera NM, Torres-González AM, Rullan-Matheu Y, Ruíz-Rodríguez EA, Sosa MA. GYRKPFFNGSIFamide (Gly-SIFamide) modulates aggression in the freshwater prawn <i>Macrobrachium rosenbergii</i>. Biol Bull. 2009 Dec;217(3):313-26. PMID:20040755 PMCID: PMC2892311</p> <p>Reyes-Colón D, Vázquez-Acevedo N, Rivera NM, Jezzini SH, Rosenthal J, Ruiz-Rodríguez EA, Baro DJ, Kohn AB, Moroz L, Sosa MA. Cloning and distribution of a putative</p>	<p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2719784/</p> <p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2892311/</p> <p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2920218/</p>

			octopamine/tyramine receptor in the central nervous system of the freshwater prawn <i>Macrobrachium rosenbergii</i> . Brain Res. 2010 Jun 14. PMID: 20558147	
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-Ramírez, Loyda Mendez-Torres and Braulio.D. Jimenez-Velez Biodiversity Science for Humanity Edited by Michael Theophanides and Theophile Theophanides ISBN: 978-960-6672-41-5, 300 pages First published in 2010 by ATINER	http://www.atiner.gr/docs/2010EnviBook_CONT.htm
Pérez-Sánchez, Lizaida (2008)	Ph. D.	Dr Nuri Rodríguez	Pérez-Sánchez L, González E, Colón-Lorenzo EE, González-Velázquez W, González-Méndez R, Rodríguez-del Valle N Interaction of the heterotrimeric G protein alpha subunit SSG-1 of <i>Sporothrix schenckii</i> with proteins related to stress response and fungal pathogenicity using a yeast two-hybrid assay. BMC Microbiology. 2010. 10:317. PMID: PMC3018405 Valentín-Berrios S, González-Velázquez W, Pérez-Sánchez L, González-Méndez R, Rodríguez-Del Valle N. Cytosolic phospholipase A2: a member of the signaling pathway of a new G protein alpha subunit in <i>Sporothrix schenckii</i> . BMC Microbiol. 2009 May 19;9:100 PMID: 19454031 PMID: PMC2694196 Rodriguez Caban J, Gonzalez-Velazquez W, Perez-Sanchez L, Gonzalez-Mendez R, Rodríguez-del Valle N (2011) Calcium/calmodulin kinase1 and its relation to thermotolerance and HSP90 in <i>Sporothrix schenckii</i> : an RNAi and yeast two-hybrid study. BMC Microbiology 11:162. PMID: PMC146815	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3018405/ http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2694196/ http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3146815/
Rivera-Ruiz Marielis E, (2008)	Ph. D.	Dr José F. Rodríguez-Medina	Rivera-Ruiz ME, Rodríguez-Quinones JF, Akamine P, Rodríguez-Medina JR. Post-transcriptional regulation in the <i>myo1Δ</i> mutant of <i>Saccharomyces cerevisiae</i> . BMC Genomics;2010.11:690. PMID: 21126371 PMID: PMC3017085 Pagán-Mercado G, Rivera-Ruiz ME, Segarra-Román F, Rodríguez-Medina JR. Antifungal research strategies aiming for new targets. P R Health Sci J. 2009 Sep;28(3):220-6. PMID: 19715114	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3017085/ http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3731947/

Rodríguez-Franco, Eillen (2008)	Ph.D.	Dr Loyda M. Melendez	Meléndez LM, Colon K , Rivera L, Rodriguez-Franco E , Toro-Nieves D . Proteomic analysis of HIV-infected macrophages. Journal of NeuroImmune Pharmacology.2011. 6(1):89-106. PMC3028070	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3028070/
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, Schreiter ER. Crystal structures of the GCaMP calcium sensor reveal the mechanism of fluorescence signal change and aid rational design. J Biol Chem. 2009 Mar 6;284(10):6455-64. Epub 2008 Dec 18. PMID: PMC2649101	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2649101/
Figuroa-Santiago, Olgary (2009)	Ph. D.	Dr Ana M. Espino	Espino AM, Morales A , Delgado B, Rivera FM, Figuroa O , Suárez E. Partial Immunity to Fasciola Hepatica in Mice after Vaccination with FH SAP2 delivered as recombinant protein or DNA construct. Ethn Dis. 2010 Winter;20(1 Suppl 1):S1-17-23. PMID: 20521379	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3260556/
Torres-Diaz, Yvonne M. (2008)	Ph. D.	Dr Annabell C. Segarra	Segarra AC, Agosto-Rivera JL, Febo M , Lugo-Escobar N , Menéndez-Delmestre R , Puig-Ramos A , Torres-Diaz YM . Estradiol: A key biological substrate mediating the response to cocaine in female rats. Horm Behav. 2014.Feb;65(2):77-87 PMID: 20026119; PMID: PMC3963412	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3621914/
Pagán-Mercado, Glorivee (2009)	Ph. D.	Dr José R. Rodríguez-Medina	Pagán-Mercado G , Rivera-Ruiz ME , Segarra-Román F, Rodríguez-Medina JR. Antifungal research strategies aiming for new targets. P R Health Sci J. 2009 Sep;28(3):220-6. PMID: 19715114	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3731947/
Colón- Rivera, Krystal (2010)	Ph. D.	Dr Loyda M. Melendez	Meléndez LM, Colon K , Rivera L, Rodriguez-Franco E , Toro-Nieves D . Proteomic analysis of HIV-infected macrophages. Journal of NeuroImmune Pharmacology.2011. 6(1):89-106. PMC3028070	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3028070/
González-Laboy, Millie (2010)	Ph.D.	Dr Adriana Báez	Díaz A, David A, Pérez R, González ML , Báez A, Wark SE, Zhang P, Clearfield A, Colón JL. Nanoencapsulation of insulin into zirconium phosphate for oral delivery applications. Biomacromolecules. 2010 Sep 13;11(9):2465-70. PMID: PMC2942018	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2942018/

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.

SAMPLE FORMAT TABLE 6 FOR RENEWAL (TYPE 2) COMPETING RISE GRANT APPLICATIONS

Table 6. Research Publications Co-authored by RISE-supported Participants (reporting period: 2012-2016)

Student Name (Year of Entry)	Student Academic Level (UG / M.S. / Ph.D.)	Mentor(s)	Publications (PMCID, if applicable)	Electronic Link (if available)
Carmona-Rivera, Carmelo (2002)	Ph.D	Dr Carmen L Cadilla	Carmona-Rivera C , Simeonov DR, Cardillo ND, Gahl WA, Cadilla CL. A divalent interaction between HPS1 and HPS4 is required for the formation of the biogenesis of lysosome-related organelle complex-3 (BLOC-3). <i>Biochim Biophys Acta</i> . 2013 Mar;1833(3):468-78. PMID: 23103514 PMCID: PMC3556189	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3556189/
Acevedo-Torres, Karina (2004)	Ph.D.	Dr Carlos Torres	Budworth H, Harris FR, Williams P, Lee do Y, Holt A, Pahnke J, Szczesny B, Acevedo-Torres K , Ayala-Peña S, McMurray CT. Suppression of Somatic Expansion Delays the Onset of Pathophysiology in a Mouse Model of Huntington's Disease. <i>PLoS Genet</i> . 2015 Aug 6; 11(8):e1005267. PMID: 26247199 PMCID: PMC4527696 Siddiqui A, Rivera-Sánchez S , Castro Mdel R, Acevedo-Torres K , Rane A, Torres-Ramos CA, Nicholls DG, Andersen JK, Ayala-Torres S. Mitochondrial DNA damage is associated with reduced mitochondrial bioenergetics in Huntington's disease. <i>Free Radic Biol Med</i> . 2012 Oct 1;53(7):1478-88. PMID: 22709585 PMCID: PMC3846402	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4527696/ http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3846402/
Arocho-Martinez, Luz C (2004)	Ph.D.	Dr Jorge D Miranda	Santiago JM , Torrado AI, Arocho LC , Rosas OR , Rodríguez AE, Toro FK, Salgado IK , Torres YA, Silva WI, Miranda JD. Expression profile of flotillin-2 and its pathophysiological role after spinal cord injury. <i>J Mol Neurosci</i> . 2013 Feb; 49(2):347-59. PMID: 22878913 PMCID: PMC3545048	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3545048/
Castillo-Pichardo, Linette (2004)	Ph.D	Dr Suranganie Dharmawardhane	Castillo-Pichardo L , Humphries-Bickley T , De La Parra C , Forestier-Roman I, Martinez-Ferrer M, Hernandez E, Vlaar C, Ferrer-Acosta Y, Washington AV, Cubano LA, Rodriguez-Orengo J, Dharmawardhane S. The Rac Inhibitor EHop-016 Inhibits Mammary Tumor Growth and Metastasis in a Nude Mouse Model. <i>Transl Oncol</i> . 2014 Oct 24;7(5):546-55. PMID: 25389450; PMCID: PMC4225654	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4225654/

			<p>Humphries-Bickley T, Castillo-Pichardo L, Corujo-Carro F, Duconge J, Hernandez-O'Farrill E, Vlaar C, Rodriguez-Orengo JF, Cubano L, Dharmawardhane S. Pharmacokinetics of Rac inhibitor EHop-016 in mice by ultra-performance liquid chromatography tandem mass spectrometry. J Chromatogr B Analyt Technol Biomed Life Sci. 2015 Feb 15;981-982:19-26. PMID: 25594952; PMCID: PMC4306626</p> <p>de la Parra C, Castillo-Pichardo L, Cruz-Collazo A, Cubano L, Redis R, Calin GA, Dharmawardhane S. Soy Isoflavone Genistein-Mediated Downregulation of miR-155 Contributes to the Anticancer Effects of Genistein. Nutr Cancer. 2016</p>	<p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4306626/</p>
Mosquera-Mendez, Laurivette (2004)	Ph.D.	Dr Jorge D Miranda	<p>Mosquera L, Colón JM, Santiago JM, Torrado AI, Meléndez M, Segarra AC, Rodríguez-Orengo JF, Miranda JD. Tamoxifen and estradiol improved locomotor function and increased spared tissue in rats after spinal cord injury: their antioxidant effect and role of estrogen receptor alpha. Brain Res. 2014 May 2;1561:11-22. PMID: 24637260; PMCID: PMC4046634</p> <p>Mosquera L, Shepherd L, Torrado AI, Torres-Diaz YM, Miranda JD, Segarra AC. Comparison of Two Methods of Estradiol Replacement: their Physiological and Behavioral Outcomes. J Vet Sci Technol. 2015 Nov 30;6(6):276. PMID: 26962471 PMCID: PMC4780423</p>	<p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4046634/</p> <p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4780423/</p>
Rivera-Rivera, Linda E. (2004)	Ph.D.	Dr Carmen L Cadilla	<p>Montes-Rodríguez IM, Rivera LE, López-Garriga J, Cadilla CL. Characterization and Expression of the Lucina pectinata Oxygen and Sulfide Binding Hemoglobin Genes. PLoS One. 2016 Jan 29;11(1):e0147977. PMID: 26824233 PMCID: PMC4732748</p>	<p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4732748/</p>
Rivera-Sanchez, Sulay (2004)	Ph.D.	Dr Sylvette Ayala	<p>Siddiqui A, Rivera-Sánchez S, Castro Mdel R, Acevedo-Torres K, Rane A, Torres-Ramos CA, Nicholls DG, Andersen JK, Ayala-Torres S. Mitochondrial DNA damage is associated with reduced mitochondrial bioenergetics in Huntington's disease. Free Radic Biol Med. 2012 Oct 1;53(7):1478-88. PMID: 22709585 PMCID: PMC3846402</p>	<p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3846402/</p>
Santiago-Santana Jose M (2004)	Ph.D.	Dr Jorge D Miranda	<p>Santiago JM, Torrado AI, Arocho LC, Rosas OR, Rodríguez AE, Toro FK, Salgado IK, Torres YA, Silva WI, Miranda JD. Expression profile of flotillin-2 and its pathophysiological role after spinal cord injury. J Mol Neurosci. 2013 Feb; 49(2):347-59. PMID: 22878913</p>	<p>http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3545048/</p>

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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.

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