

Non-Competing Continuation (Type 5) RISE Grant Applications
Table 6 – Research Publications Co-authored by RISE-supported Participants
Reporting Period: Cycle 2: 2004-2008

Student Name (Year of Entry)	Student Academic Level (Ph. D./MS/UG)	Mentor (s)	Publications (PMCID, if applicable)	Electronic Link (if available)
Ortiz-Betancourt, José M. (2000)	BS, Ph. D.	Dr. José R. Rodríguez-Medina	2,3-butanedione monoxime increases sensitivity to nikkomycin Z in the budding yeast <i>Saccharomyces cerevisiae</i>	
Maldonado-De la Cruz, Yasdet (2000)	BS, MD	Dr. José R. Rodríguez-Medina	2,3-butanedione monoxime increases sensitivity to nikkomycin Z in the budding yeast <i>Saccharomyces cerevisiae</i>	
Rivera-Molina, Félix E. (2000)	Ph.D.	Dr. José R. Rodríguez-Medina	F. E. Rivera-Molina, Y. Maldonado-De la Cruz, J. M. Ortiz-Betancourt and J.R. Rodríguez-Medina, <u>2,3-butanedione monoxime increases sensitivity to nikkomycin Z in the budding yeast <i>Saccharomyces cerevisiae</i></u> <i>World J Microbiol Biotechnol</i> (2006)22(3);255-260. F. E. Rivera-Molina , N. L. Díaz-Blanco, J. F. Rodríguez-Quifones, and J. R. Rodríguez-Medina (2006) <u>Interplay between the protein recycling pathway and susceptibility to Nikkomycin Z in the budding yeast <i>Saccharomyces cerevisiae</i></u> . <i>Recent Res. Devel. Mol. and Cell. Biol.</i> , 6:109-120, ISBN:81-308-0131-0 Research Signpost 37/661(2), Fort P.O.,Trivandrum-695 023, Kerala, India. (<i>Book chapter</i>)	http://www.springerlink.com/content/7n267530r6253005/
Toro-Nieves, Dianedis M. (2000)	Ph.D.	Dr. Loyda M. Meléndez	Toro Nieves D , Plaud M, Wonja V, Skolasky R, Melendez LM. <u>Characterization of peripheral blood HIV isolates from Hispanic women with cognitive impairment</u> . <i>J NeuroViro</i> . 2007 Vol. 13 pag 1-13.PMID: 17849315	http://informahealthcare.com/doi/abs/10.1080/13550280701361508
Puig-Ramos, Anabel (2001)	Ph. D.	Dr. Annabell C. Segarra	Cruz-Orengo L, Figueroa JD, Velazquez I., Torrado A., Puig A , Hernandez C., Segarra A., Whittemore SR and Miranda JD. (2007) <u>Reduction of EphA4 receptor expression after spinal cord injury does not induce axonal regeneration or return of MMEP response</u> . <i>Neurosci Lett</i> . 2007 May 11;418(1):49-54. Epub 2007 Mar 12PMID: 17418490 [PMCID: PMC2570091] Cruz-Orengo L, Velazquez I, Torrado A, Ortiz C, Hernandez C, Puig A , Segarra A, Whittemore SR and Miranda JD <u>Blocking EphA4 upregulation after spinal cord injury results in enhanced chronic pain</u> . <i>Experimental Neurology</i> . 2006, 202, p.421-433	http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6T0G-4N7S57R-2&_user=1647929&_coverDate=05%2F11%2F2007&_rdoc=1&_fmt=high&_orig=search&_sort=d&_docanchor=&view=c&_acct=C000054082&_version=1&_urlVersion=0&_userid=1647929&md5=79c1d8f2ab73855c7d6848cc25201257

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			PMID: 16959251 Puig-Ramos A , Santiago GS, Segarra AC. <u>U-69593, a kappa opioid receptor agonist, decreases cocaine-induced behavioral sensitization in female rats.</u> Behav Neurosci. 2008 Feb;122(1):151-60. PMCID: PMC2668127	http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6WFG-4KV2Y9W-1&_user=1647929&_coverDate=12%2F31%2F2006&_rdoc=1&_fmt=high&_orig=search&_sort=d&_docanchor=&_view=c&_acct=C000054082&_version=1&_urlVersion=0&_userid=1647929&md5=3fc40f3787ca4fa4635009f544b7f4fe http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2668127/?tool=pubmed
Calderón-Márquez, Adrián J. (2002)	Ph. D.	Dr. Julio A. Lavergne	Calderón, A.J ; Lavergne, J.A; RNA Interference: a Novel and Physiologic Mechanism of Gene Silencing with Great Therapeutic Potential. <i>PR Health Sci J.</i> 2005 Mar;24(1):27-33. PMID: 15895874	http://www.ncbi.nlm.nih.gov/sites/pubmed
Fuentes-Mattei, Enrique (2002)	Ph. D.	Dr. Braulio Jiménez	Jiménez B.D., Gioda A. and Fuentes-Mattei, E. , <u>Organic and Aqueous Extracts from Particulate Matter (PM_{2.5}) and their Effects on the Immunological Response of Beas Cells,</u> Metal Ion in Biology and Medicine 2006 Book Chapter	
Valentín-Berrios, Shirley (2002)	Ph.D.	Dr. Nuri Rodríguez	Valle-Aviles L, Valentin-Berrios S , Gonzalez-Mendez RR, Rodriguez-Del Valle N. <u>Functional, genetic and bioinformatic characterization of a calcium/calmodulin kinase gene in Sporothrix schenckii.</u> BMC Microbiol. 2007 Nov 29;7:107. PMCID: PMC2242797	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2242797/?tool=pubmed
Vega-Rodríguez, Joel (2002)	Ph.D.	Dr. Adelfa Serrano	Szeto AC, Pérez-Rosado J, Ferrer-Rodríguez I, Vega J, Torruella-Thillet C, Serrano AE. <u>Identification and expression analysis of ABC genes in Plasmodium yoelii and P. berghei.</u> <i>Parasitol. Res.</i> , 2004 Jan;92(1):1-11. Epub 2003 Oct 17. PMID: 14564508	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 http://www.ncbi.nlm.nih.gov/pubmed/14564508
Meléndez-Negron, 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. <u>Lack of evidence for in vivo transformation of zidovudine triphosphate to stavudine triphosphate in human immunodeficiency virus-infected patients.</u> (2006). Antimicrobial Agents Chemotherapy, Vol.50, 835-40.	http://aac.asm.org/cgi/content/full/50/3/835?view=long&pmid=16495240 http://www.ncbi.nlm.nih.gov/pmc/article

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			PMID: 16495240 [PMCID: PMC1426443]	s/PMC1426443/?tool=pubmed
Rivera-Rivera, Linda E. (2003)	Ph.D.	Dr. Carmen L. Cadilla	Rivera L , López-Garriga J, Cadilla CL. <u>Characterization of the full length mRNA coding for Lucina pectinata HbIII revealed an alternative polyadenylation site.</u> 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/?tool=pubmed
Scharbaai- Vázquez, Ramón (2003)	Ph.D.	Dr. Luis J. Torres- Bauzá	Scharbaai-Vázquez, R. , Candelas, T., Torres-Bauza, L.J. <u>Mobilization of the gonococcal 5.2kb betalactamase plasmid Psj5.2 into Escherichia coli by cointegration with several Gram-conjugative plasmids.</u> Plasmid 2007, 57 (2): 156-164. PMID: 17027960 [PMCID: PMC1973139.	http://www.ncbi.nlm.nih.gov/pubmed/17027960 http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1973139/?tool=pubmed
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., <u>Caveolin isoform expression during differentiation of C6 glioma cells.</u> Int J Dev Neurosci, 2005, Vol. 23, 599-612 PMID: 16135403 Silva, WI; Maldonado, HM; Velázquez, G. , García, J ; González, F. <u>Caveolins in Glial Cell Model Systems: From Detection to Significance.</u> Journal of Neurochemistry. 2007. Nov;103 Suppl 1:101-12.PMID: 17986145	http://www.sciencedirect.com/science?ob=ArticleURL&udi=B6T01-4H0J8K1-1&user=1647929&coverDate=11%2F30%2F2005&rdoc=1&fmt=high&orig=search&sort=d&docanchor=&view=c&acct=C000054082&version=1&urlVersion=0&userid=1647929&md5=5dfbc03e630f918da42a77cea2fa44a0 http://www3.interscience.wiley.com/journal/118484441/abstract?CRETRY=1&SRETRY=0
Arocho- Martínez, Luz C. (2004)	Ph.D.	Dr. María J. Crespo	Crespo, M., Zalacain,J.,Cruz, N. , Dunbar, D., Arocho, L. (2007) <u>Cardiac Oxidative Stress is elevated at the Onset of Dilated Cardiomyopathy in STZ-diabetic rats.</u> J Vascular Pharmacology. Mar;13(1):64-71.PMID: 18287592 Chronic Administration of Carvedilol Improves Cardiac Function in 6-Month-Old Syrian Cardiomyopathic Hamsters. Pharmacology. 80 (2-3) 144-150.	http://www.ncbi.nlm.nih.gov/pubmed/18287592
Lathroum- Castañeda, Liselle (2004)	BS	Dr. Juan C. Jorge	Perez-Acevedo NL, Lathroum L , Jorge JC. <u>The Neurosteroid 3αDIOL Modulates Place Preference When Infused in the Basolateral Amygdala According to Sex.</u> Behav. Neurosci., 2006 Jun;120(3):632-640 PMID: 16768615	http://content.apa.org/pubmed/bne/120/3/632

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Lugo-Escobar, Natasha (2004)	Ph.D.	Dr. Annabell Segarra	Culm KE, Lugo-Escobar N , Hope BT, Hammer RP Jr. <u>Repeated quinpirole treatment increases cAMP-dependent protein kinase activity and CREB phosphorylation in nucleus accumbens and reverses quinpirole-induced sensorimotor gating deficits in rats.</u> <i>Neuropsychopharmacology</i> . 2004 Oct;29(10):1823-30. PMID: 15138441	http://www.nature.com/npp/journal/v29/n10/abs/1300483a.html
Rodríguez- Quiñones, José F. (2004)	Ph.D.	Dr. José R. Rodríguez-Medina	Rodríguez-Quiñones JF , Irizarry RA, Díaz-Blanco NL, Rivera-Molina FE , Gómez-Garzón D, Rodríguez-Medina JR. <u>Global mRNA expression analysis in myosin II deficient strains of <i>Saccharomyces cerevisiae</i> reveals an impairment of cell integrity functions.</u> <i>BMC Genomics</i> . 2008 Jan 23;9:34. PMCID: PMC2253530 Interplay between the protein recycling pathway and susceptibility to Nikkomycin Z in the budding yeast <i>Saccharomyces cerevisiae</i> .	http://www.ncbi.nlm.nih.gov/pmc/article/PMC2253530/?tool=pubmed
Rundle- González, Valerie (2004)	BS	Dr. Juan C. Jorge	Rojas Y, Rivera-Ramos I, Rundle V , and Jorge JC. <u>Modulation of elevated plus maze behavior after chronic exposure to the anabolic steroid 17α-methyltestosterone in adult mice.</u> <i>Hormones and Behavior</i> , 2006 Jan; 49 (1) 123-8. Epub 2005 Jul 18. PMID: 16026788	http://www.ncbi.nlm.nih.gov/pubmed/16026788
García-Colón, José O. (2005)	Ph.D.	Dr. Walter I. Silva	Caveolins in Glial Cell Model Systems: From Detection to Significance. <i>Journal of Neurochemistry</i> .	http://www3.interscience.wiley.com/journal/118484441/abstract?CRETRY=1&SRETRY=0
Velázquez- Figueroa, Kandy T. (2005)	MS	Dr. Juan C. Jorge	JC Jorge, K Velazquez , D. Ramos, I Lorenzini , J Marrero , C Maldonado. <u>A testosterone metabolite is rewarding to ovariectomized female rats.</u> <i>Behavioral Neuroscience</i> , 2005 Vol 119(5) 1222-6 PMID: 16300429 JC-Rivera, L Morales, N Vargas, K Velásquez , JC Jorge, 2006, <u>Central effects of the anabolic steroid 17α methyltestosterone in female anxiety.</u> <i>Pharmacol Biochem Behav</i> . 2006 Jun;84(2):275-81. Epub 2006 Jun 30. PMID: 16814373	http://content.apa.org/pubmed/bne/119/5/1222 http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6T0N-4K9C6DH-1&_user=1647929&_coverDate=06%2F30%2F2006&_rdoc=1&_fmt=high&_orig=search&_sort=d&_docanchor=&view=c&_acct=C000054082&_version=1&_urlVersion=0&_userid=1647929&md5=1d40cfebb8bb6d5e443232da916f0595

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Cruz-Díaz Nildris (2006)	MS	Dr. María J. Crespo	Cruz N, Arocho L, Rosario L , Crespo MJ. Chronic Administration of Carvedilol Improves Cardiac Function in 6-Month-Old Syrian Cardiomyopathic Hamsters. <i>Pharmacology</i> . 2007;80(2-3):144-50. Epub 2007 May 29. PMID: 17534124 Cardiac Oxidative Stress is elevated at the Onset of Dilated Cardiomyopathy in STZ-diabetic rats.	http://content.karger.com/produktedb/produkte.asp?typ=fulltext&file=000103254 http://www.ncbi.nlm.nih.gov/sites/pubmed
Rosario-Alvarado, Luis E. (2006)	BS	Dr. María J. Crespo	Chronic Administration of Carvedilol Improves Cardiac Function in 6-Month-Old Syrian Cardiomyopathic Hamsters.	
Martínez-Rubio Fontané, Clarissa (2006)	Ph.D.	Dr. Mark W. Miller	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 <i>Aplysia</i> . <i>J Neurophysiol</i> . 2007; 98(1):29-42 PMID: 17392419	http://jn.physiology.org/cgi/content/full/98/1/29
Castillo-Pichardo, Linette (2004)	Ph.D.	Dr. Suranganie Dharmawardhane	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. <i>Transl Oncol</i> . 2008 Mar;1(1):19-27. PMID: 18607509 [PubMed - in process]PMCID: PMC2510765	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2510765/?tool=pubmed

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.