

**RISE Student Publications****2014-2020**

FY	Trainee Name	Authors	Title	Details
2014	1. Kimberleve Rolón	Kucheryavykh LY, <u>Rolon-Reyes K</u> , Kucheryavykh YV, Skatchkov SN, Eaton MJ, Sanabria P, Wessinger WD, Inyushin M.	Glioblastoma development in mouse brain: general reduction of OCTs and mislocalization of OCT3 transporter and subsequent uptake of ASP(+) substrate to the nuclei.	J Neurosci Neuroeng. 2014 Feb;3(1):3-9. PMID: 25165637 PMCID: 4143131
2015	2. David Rivera	Rivera-Pagán AF, <u>Rivera-Aponte DE</u> , Melnik-Martínez KV, Zayas-Santiago A, Kucheryavykh LY, Martins AH, Cubano LA, Skatchkov SN, Eaton MJ.	Up-Regulation of TREK-2 Potassium Channels in Cultured Astrocytes Requires De Novo Protein Synthesis: Relevance to Localization of TREK-2 Channels in Astrocytes after Transient Cerebral Ischemia.	PLoS One. 2015 Apr 17;10(4):e0125195. PMID: 25886567 PMCID: 4401746
2015	3. David Rivera	<u>Rivera-Aponte DE</u> , Méndez-González M, Rivera-Pagan AF, Kucheryavykh YV, Kucheryavykh LY, Skatchkov SN, Eaton MJ.	Hyperglycemia reduces functional expression of astrocytic Kir4.1 channels and glial glutamate uptake.	Neuroscience. 2015 Dec 3;310:216-223. PMID: 26404875.
2015	4. Kimberleve Rolon	<u>Rolón-Reyes K</u> , Kucheryavykh YV, Cubano LA, Inyushin M, Skatchkov SN, Eaton MJ, Harrison JK, Kucheryavykh LY.	Microglia activate migration of glioma cells through a Pyk2 intracellular pathway.	PLOS One. 2015 Jun 22;10(6):e0131059. PMID: 26098895 PMCID: 4476590
2016	5. Miguel Mendez	<u>Méndez-González MP</u> , Kucheryavykh YV, Zayas-Santiago A, Vélez-Carrasco W, Cubano LA, Nichols CG, Eaton MJ, Skatchkov SN.	Novel KCNJ10 Gene Variations Compromise Function of Inwardly Rectifying Potassium Channel 4.1 channel function.	J. Biol. Chem. 2016 Apr 1;219(14):7716-26. PMID: 26867573
2016	6. Tiffany Rios	Suárez-Arroyo IJ, <u>Rios-Fuller TJ</u> , Feliz-Mosquea YR, Lacourt-Ventura M, Leal-Alvarez DJ, Maldonado-Martínez G, Cubano LA, Martínez-Montemayor MM.	Ganoderma lucidum combined with the EGFR tyrosine kinase inhibitor, Erlotinib synergize to reduce inflammatory breast cancer progression.	J Cancer. 2016 Feb 5;7(5):200-11. PMID: 26958085 PMCID: 4780125

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2017	7. David Rivera	Kucheryavykh LY, Dávila-Rodríguez J, Rivera-Aponte DE, Zueva LV, Washington AV, Sanabria P, Inyushin M	Platelets are responsible for the accumulation of β -amyloid in blood clots inside and around blood vessels in mouse brain after thrombosis.	Brain Res Bull. 2017 Jan;128:98-105. PMID: 27908798 PMCID: 5205543.
2017	8. David Rivera	Ferrer-Acosta Y, Gonzalez-Vega MN, Rivera-Aponte DE, Martínez-Jimenez SM, Martins AH.	Monitoring Astrocyte Reactivity and Proliferation in Vitro Under Ischemic-Like Conditions	J Vis Exp. 2017 Oct 21;(128). PMID: 29155711.
2018	9. Christian Malpica	Rivera-Pagán AF, Méndez-González MP, Rivera-Aponte DE, <u>Malpica-Nieves CJ</u> , Melnik-Martinez KV, Zayas-Santiago A, Maldonado-Martinez G, Shuba YM, Skatchkov SN, Eaton MJ.	A-Kinase-Anchoring Protein (AKAP150) in expressed in Astrocytes and Upregulation in Response to Ischemia.	Neuroscience. 2018 Aug 1;384:54-63. PMID: 29800717. PMCID: 6238626
2018	10. Tiffany Rios	<u>Rios-Fuller TJ</u> , Ortiz-Soto G, Lacourt-Ventura M, Maldonado-Martinez G, Cubano LA, Schneider RJ, Martinez-Montemayor MM	Ganoderma lucidum extract (GLE) impairs breast cancer stem cells by targeting the STAT3 pathway.	Oncotarget. 2018 Nov 13;9(89):35907-35921. PMID: 30542507 PMCID: 6267592
2018	11. Jescelica Ortiz	Valentín-Guillama G, López S, Kucheryavykh YV, Chorna NE, Pérez J, <u>Ortiz-Rivera J</u> , Inyushin M, Makarov V, Valentín-Acevedo A, Quinones-Hinojosa A, Boukli N, Kucheryavykh L	HIV-1 envelope protein gp120 promotes proliferation and the activation of glycolysis in glioma cell.	Cancer J. Cancers (Basel). 2018 Sep 1;10(9). PMID: 30200472 PMCID: 6162763
2019	12. Jescelica Ortiz	Kucheryavykh YV, Davila J, <u>Ortiz-Rivera J</u> , Inyushin M, Almodovar L, Mayol M, Morales-Cruz M, Cruz-Montañez A, Barcelo-Bovea V, Griebenow K, Kucheryavykh LY.	Targeted Delivery of Nanoparticulate Cytochrome C into Glioma Cells Through the Proton-Coupled Folate Transporter.	Biomolecules. 2019 Apr 18;9(4). PMID: 31003476
2019	13. Jescelica Ortiz	Kucheryavykh LY, <u>Ortiz-Rivera J</u> , Kucheryavykh YV, Zayas-Santiago A, Diaz-Garcia A, Inyushin M.	Accumulation of Innate Amyloid Beta Peptide in Glioblastoma Tumors.	Int J Mol Sci. 2019 May 20;20(10). PMID: 31137462
2020	14. Christian Malpica Flavia Tejada	<u>Malpica-Nieves CJ</u> , Rivera-Aponte DE, <u>Tejada-Bayron FA</u> , Mayor AM, Phanstiel O, Veh RW, Eaton MJ, Skatchkov SN.	The involvement of polyamine uptake and synthesis pathways in the proliferation of neonatal astrocytes.	Amino Acids. 2020 Aug 20. PMID: 32816168

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2020	15. Christian Malpica Flavia Tejada	Rivera-Aponte DE, Melnik-Martinez KV, <u>Malpica-Nieves CJ</u> , <u>Tejada-Bayron F</u> , Mendez-Gonzalez MP, Skatchkov SN, Eaton MJ.	Kir4.1 potassium channel regulation via microRNA-205 in astrocytes exposed to hyperglycemic conditions.	Neuroreport. 2020 Mar 12. PMID: 3216809
2020	16. Flavia Tejada	Mendez-Gonzalez MP, Rivera-Aponte DE, Benedikt J, Maldonado-Martinez G, <u>Tejada-Bayron F</u> , Skatchkov SN, Eaton MJ.	Downregulation of Astrocytic Kir4.1 Potassium Channels is Associated with Hippocampal Neuronal Hyperexcitability in Type 2 Diabetic Mice.	Brain Sci. 2020 Jan 30;10(2). PMID: 32019062