



Publications by RISE Graduate Students at the UCC 2018-2014

1. Rivera-Pagán AF, Méndez-González MP, Rivera-Aponte DE, Malpica-Nieves CJ, Melnik-Martinez KV, Zayas-Santiago A, Maldonado-Martinez G, Shuba YM, Skatchkov SN, Eaton MJ. A-Kinase-Anchoring Protein (AKAP150) is expressed in Astrocytes and Upregulation in Response to Ischemia. *Neuroscience*. 2018 May 23. S0306-4522(18)30362-2. PMID: 29800717.
2. Ferrer-Acosta Y, Gonzalez-Vega MN, Rivera-Aponte DE, Martinez-Jimenez SM, Martins AH. Monitoring Astrocyte Reactivity and Proliferation in Vitro Under Ischemic-Like Conditions. *J Vis Exp*. 2017 Oct 21;(128). PMID: 29155711.
3. 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
4. Méndez-González MP, Rivera-Aponte DE, Benedikt J, Maldonado-Martinez G, Cubano L, Skatchkov S, Eaton M. Downregulation of astrocytic Kir4.1 potassium channels is associated with hippocampal neuronal hyperexcitability in type 2 diabetic mice. (2016) *Journal: Frontiers in Cellular Neuroscience*. Manuscript ID: 227138
5. Méndez-González MP, 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;291(14):7716-26. PMID: 26867573
6. Suárez-Arroyo IJ, Rios-Fuller TJ, Feliz-Mosquea YR, Lacourt-Ventura M, Leal-Alvarez DJ, Maldonado-Martinez 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
7. Rivera-Aponte DE, 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 PMCID: 4758357
8. Rivera-Pagán AF, Rivera-Aponte DE, 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

9. Rolón-Reyes K, 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
10. Kucheryavykh LY, Rolon-Reyes K, 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