



### **Presentations by RISE Graduate Students at the UCC 2017-2011**

1. Ortiz-Rivera J, Rolón-Reyes K, Méndez A, Albors A, Cubano LA, Kucheryavykh LY. PF-562271, a PYK2 Inhibitor, Reduces Glioma Tumor Growth and Invasion. Puerto Rico Physiological Society 7th Annual Meeting. Bayamón, PR (2017)
2. Ortiz-Rivera J, Rolón-Reyes K, Méndez A, Albors A, Cubano LA, Kucheryavykh LY. PF-562271, a PYK2 Inhibitor, Reduces Glioma Tumor Growth and Invasion. AACR Annual Meeting. Washington, DC (2017)
3. Rivera-Aponte DE, Méndez-González MP, Rivera-Pagán A, Kucheryavykh YV, Kucheryavykh LY, Skatchkov SN, Eaton MJ. Hyperglycemia Reduces Astrocytic Kir4.1 Potassium Channels Expression and Function: Relevance to Stroke. 7<sup>th</sup> CaribeGLIA Symposium. Bayamon, PR (2017)
4. Rivera-Aponte DE, Méndez-González M, Tejeda-Bayron F, Malpica-Nieves C, Rivera-Pagán A, Kucheryavykh L, Kucheryavykh Y, Skatchkov SN, Eaton MJ. Hyerglycemia Reduces Astrocytic Potassium Channels and Function. 4<sup>th</sup> PR Cell Signaling Meeting. Ponce, PR (2017)
5. Ortiz-Rivera J, Rolón-Reyes K, Méndez A, Albors A, Cubano LA, Kucheryavykh LY. PF-562271, a PYK2 Inhibitor, Reduces Glioma Tumor Growth and Invasion. 25<sup>th</sup> Puerto Rico Neuroscience Conference. San Juan, PR (2016)
6. Rios-Fuller TJ, Loperena-Alvarez Y, Lacourt-Ventura M, López P, Yamamura Y, Cubano LA, Martínez-Montemayor MM. Ganoderma lucidum extract significantly decreases stemness properties in Inflammatory Breast Cancer cells via STAT3 regulation. 2016 ASCB Annual Meeting. San Francisco, CA (2016)
7. Ríos-Fuller TJ, Loperena-Alvarez Y, Lacourt-Ventura M, López P, Yamamura Y, Cubano LA, Martínez-Montemayor MM. Ganoderma lucidum extract decreases stem cell properties via regulation of STAT3 in IBC cells. 2016 SACNAS National Conference. Long Beach, CA (2016)
8. Ríos-Fuller TJ, Loperena-Alvarez Y, Lacourt-Ventura M, López P, Yamamura Y, Cubano LA, Martínez-Montemayor MM. Ganoderma lucidum extract decreases stem cell properties via regulation of STAT3 in IBC cells. Forward Research and Innovation Summit. San Juan, PR (2016)
9. Rios-Fuller TJ, Loperena-Alvarez Y, Lacourt-Ventura M, Cubano LA, Martínez-Montemayor MM. GLE decreases stemness properties via STAT3 regulation in Inflammatory Breast Cancer cells. The 5<sup>th</sup> International Inflammatory Breast Cancer Conference. Boston, Massachusetts. (2016)
10. Rivera-Aponte DE, Méndez-González M, Miranda L, Cubano LA, Skatchkov SN, Eaton MJ. Reduction of Kir4.1 Potassium Channel Expression in Diabetic Mice: Relevance to Stroke. 25<sup>th</sup> Puerto Rico Neuroscience Conference. San Juan, PR (2016)

11. Rolón Reyes K. Combined Therapy of Temozolomide and PF-562271, a Pyk2 Inhibitor, Reduces Glioma Tumor Growth and Dispersal Compared to Temozolomide Monotherapy. Invited lab Dr. Su Dharmawardhane. San Juan, PR (2016)
12. Valentín-Carro N, Veras Tavarez W. A Unique Case of Branching Pattern in the Superior Mediastinum: A Brachiocephalic Trunk With Four Branches, And The Left Thyrocervical Trunk Arising From The Aortic Arch. Experimental Biology 2016. San Diego, CA (2016).
13. Kucheryavykh LY, Rolón-Reyes K, Kucheryavykh YV, Skatchkov S, Eaton MJ, Sanabria P, Wessinger WD, Inyushin M. Organic cation Transporters during glioma development in the brain. PR American Physiological Society Meeting. San Juan, PR (2015).
14. Méndez-González MP, Kucheryavykh YV, Zayas-Santiago A, Vélez-Carrasco W, Cubano LA, Skatchkov SN, Eaton MJ. "Novel KCNJ10 SNPs affect Kir4.1 Biophysical Properties and their Modulation by Spermine. SPINES Symposium. Chicago, IL. (2015).
15. Méndez-González MP, Kucheryavykh YV, Zayas-Santiago A, Vélez-Carrasco W, Cubano LA, Skatchkov SN, Eaton MJ. "Novel KCNJ10 SNPs affect Kir4.1 Biophysical Properties and their Modulation by Spermine. 2015 Neural Conference. Birmingham, AL (2015)
16. Méndez-González MP, Kucheryavykh YV, Zayas-Santiago A, Vélez-Carrasco W, Cubano LA, Skatchkov SN, Eaton MJ. "Novel KCNJ10 SNPs affect Kir4.1 Biophysical Properties and their Modulation by Spermine. XI International Interdisciplinary Scientific Research Congress (IX CIC). Santo Domingo, DR. (2015)
17. Méndez-González MP, Kucheryavykh YV, Zayas-Santiago A, Cubano LA, Skatchkov SN, Eaton MJ. SNPs in the KCNJ10 gene affect Kir4.1 channel function. 2<sup>nd</sup> Puerto Rico Cell Signaling Meeting. San Juan, PR (2015).
18. Ríos-Fuller TJ, Suárez-Arroyo IJ, Lacourt-Ventura M, Maldonado G, Cubano L, Martínez-Montemayor MM. Combination of Ganoderma lucidum extract and Erlotinib decreases IBC progression. AACR "Advances in Breast Cancer Research" Conference. Bellevue, WA. (2015)
19. Rios-Fuller TJ, Suárez-Arroyo IJ, Lacourt-Ventura M, Maldonado G, Cubano L, Martínez-Montemayor MM. Ganoderma lucidum extract and Erlotinib combined decrease cell viability and tumor progression in inflammatory breast cancer. 2<sup>nd</sup> Puerto Rico Cancer Research Meeting. San Juan, PR (2015)
20. Rios-Fuller TJ, Suárez-Arroyo I, Lacourt-Ventura M, Cubano LA, Martínez-Montemayor MM. Combination of Erlotinib and Reishi decrease cancer cell viability and tumor progression in inflammatory breast cancer models. 2<sup>nd</sup> Puerto Rico Cell Signaling Meeting. San Juan, PR (2015).
21. Rivera-Aponte DE, Méndez-González MP, Rivera-Pagán A, Kucheryavykh YV, Kucheryavykh LY, Skatchkov SN, Eaton MJ. Hyperglycemia Reduces Astrocytic Potassium Channels and Function. 2015 Society for Neuroscience. Chicago, IL (2015)
22. Rivera-Aponte DE, Méndez-González MP, Rivera-Pagán A, Kucheryavykh YV, Kucheryavykh LY, Skatchkov SN, Eaton MJ. Hyperglycemia Reduces Astrocytic Potassium Channels and Function. 2015 NEURAL Conference. Birmingham, AL (2015).

23. Rivera-Aponte DE, Méndez-González MP, Rivera-Pagán A, Kucheryavykh YV, Kucheryavykh LY, Skatchkov SN, Eaton MJ. Hyperglycemia Reduces Astrocytic Potassium Channels and Function. XI International Interdisciplinary Scientific Research Congress (IX CIC). Santo Domingo, DR. (2015)
24. Rivera-Aponte DE, Méndez-González MP, Rivera-Pagán A, Melnik-Martínez KV, Kucheryavykh YV, Kucheryavykh LY, Skatchkov SN, Eaton MJ. Hyperglycemia Reduces Astrocytic K<sup>+</sup> Channels and Function. 2nd Puerto Rico Cell Signaling Meeting. San Juan, PR (2015)
25. Rivera-Aponte DE, Méndez-González MP, Rivera-Pagán A, Melnik-Martínez KV, Kucheryavykh YV, Kucheryavykh LY, Skatchkov SN, Eaton MJ. Hyperglycemia Reduces Astrocytic K<sup>+</sup> Channels and Function. PR Physiological Society Annual Meeting. San Juan, PR (2015).
26. Rolón-Reyes K, Cubano LA, Quiñones-Hinojosa A, Kucheryavykh L. Combined therapy of temozolomide and PF-562271, a PYK2 Inhibitor, reduces glioma tumor growth and dispersal compare to temozolomide monotherapy. AACR-NCI-EORTC International Conference. Boston, MA (2015)
27. Rolón-Reyes K, Cubano LA, Quiñones-Hinojosa A, Kucheryavykh L. Combined therapy of temozolomide and PF-562271, a PYK2 Inhibitor, reduces glioma tumor growth and dispersal compare to temozolomide monotherapy. SPINES Symposium. Chicago, IL (2015)
28. Rolón-Reyes K, Kucheryavykh YV, Cubano LA, Inyushin M, Skatchkov SN, Eaton MJ, Harrison JK, Kucheryavykh LY. Microglia promote glioma cell migration and invasion through a Pyk2 intracellular pathway. 4<sup>th</sup> CaribeGLIA Symposium. Bayamon, PR (2015)
29. Valentín N. Anatomical Variation of The Superficial Palmar Arch in Puerto Rican Population. Ponce Health Science University. Ponce, PR (2015)
30. Valentín-Carro N, Veras Tavarez W. A Unique Branching Pattern Of The Celiac Trunk. Its Clinical And Embryological Significance. 2<sup>nd</sup> Puerto Rico Cell Signaling Meeting. San Juan, PR (2015)
31. Valentín-Carro N, Veras Tavarez W. A Unique Branching Pattern Of The Celiac Trunk. Its Clinical And Embryological Significance. 7<sup>th</sup> Latino Medical Student Association (LMSA) Annual Conference. San Juan, PR (2015)
32. Méndez-González M, Kucheryavykh Y, Zayas-Santiago A, Cubano LA, Skatchkov SN, Eaton MJ. Impaired Kir4.1 Channel Function Due to KCNJ10 Variations. 23<sup>rd</sup> Annual Puerto Rico Neuroscience Conference. Bayamón, PR (2014)
33. Méndez-González M, Kucheryavykh YV, Zayas-Santiago A, Cubano LA, Skatchkov SN, Eaton MJ. Impaired function of mutant Kir4.1 channels restored by co-expression with Kir5.1 subunit. AAAS Caribbean Division 2014 Annual Conference. Universidad del Turabo. Gurabo, PR (2014)
34. Méndez-González M, Kucheryavykh Y, Zayas-Santiago A, Cubano LA, Skatchkov SN, Eaton MJ. Novel KCNJ10 Variations Compromise Kir4.1 Channel Function. 12<sup>th</sup> CMBC, NRC, SNRP Annual Retreat. Guaynabo, PR (2014)

35. Méndez M, Kucheryavykh Y, Zayas-Santiago A, Cubano LA, Skatchkov SN, Eaton MJ. "Novel KCNJ10 Variations Compromise Kir4.1 Channel Function. *Glia in Health & Disease*. New York, NY. (2014)
36. Rivera-Aponte DE, Rivera-Pagán A, Méndez-González M, Kucheryavykh Y, Kucheryavykh L, Skatchkov SN, Eaton MJ. Astrocytes in Hyperglycemic Conditions have Decreased Expression of TREK-2 and Kir4.1 Potassium Channels. 23<sup>rd</sup> Annual Puerto Rico Neuroscience Conference. Bayamón, PR. (2014).
37. Rolón-Reyes K, Skatchkov S, Eaton M, Cubano L, Harrison J, Kucheryavykh L. Pharmacological Inhibition of Pyk2 Reduces Pro-Migratory Effect of Microglia on Glioma Tumor. 23<sup>rd</sup> Annual Puerto Rico Neuroscience Conference. Bayamón, PR (2014).
38. Rolón-Reyes K, Skatchkov SN, Eaton MJ, Cubano LA, Harrison JK, Kucheryavykh LY. PF-562271, A Small Molecule Pyk2 Inhibitor, Reduces Microglial Pro-Migratory Effect and Tumor Dispersal in C57/B6 Glioma Bearing Model. 1<sup>st</sup> Puerto Rico Cancer Research Meeting. San Juan, PR (2014)
39. Rolón-Reyes K, Skatchkov SN, Eaton MJ, Cubano LA, Harrison JK, Kucheryavykh LY. PF-562271, A Small Molecule Pyk2 Inhibitor, Reduces Microglial Pro-Migratory Effect and Tumor Dispersal in C57/B6 Glioma Bearing Model. 12<sup>th</sup> CMBC, NRC, SNRP Annual Retreat. Guaynabo, PR (2014).
40. Valentín N, Del Rosario C, Veras W. Contribution of the Radial and Ulnar Arteries on the Blood Supply of the Thumb. *Experimental Biology 2014*. San Diego, CA. (2014)
41. Kucheryavykh LY, Rivera-Pagán AF, Rolón-Reyes K, Skatchkov SN, and Eaton MJ. Role of Monocyte Chemotactic Protein-1 (MCP-1) In The Tumor Microenvironment. AACR Annual Meeting 2013. Washington, DC (2013).
42. Méndez M, Rolón-Reyes K, Rivera-Aponte DE, Skatchkov SN, Eaton MJ, Kucheryavykh LY. Microglia Promote Glioma Cell Migration and Dispersal by Activating the PLCy1 and Pyk2 Signaling Cascade. 2nd Satellite CaribeGLIA Symposium. Bayamón, PR (2013).
43. Méndez M, Kucheryavykh Y, Zayas-Santiago A, Cubano LA, Skatchkov SN, Eaton MJ. Novel KCNJ10 Variations Compromise Kir4.1 Channel Function. Society for Neuroscience Annual Meeting. San Diego, CA (2013).
44. Méndez M, Kucheryavykh Y, Zayas-Santiago A, Cubano LA, Skatchkov SN, Eaton MJ. "Novel KCNJ10 Variations Compromise Kir4.1 Channel Function. 22<sup>nd</sup> Puerto Rico Neuroscience Conference. Ponce, PR (2013)
45. Méndez M, Kucheryavykh Y, Zayas-Santiago A, Cubano LA, Skatchkov S, Eaton MJ. Novel KCNJ10 Variations Compromise Kir4.1 Channel Function. SPINES Symposium. Woods, Hole (2013).
46. Rivera-Aponte DE, Rivera-Pagán A, Kucheryavykh Y, Kucheryavykh L, Skatchkov SN and Eaton MJ. High Glucose Decreases Kir4.1 and TREK-2 Potassium Channels Expression and Function in Astrocytes. 2nd Satellite CaribeGLIA Symposium. Bayamón, PR (2013).
47. Rivera-Aponte DE, Rivera-Pagán A, Kucheryavykh Y, Kucheryavykh L, Skatchkov SN and Eaton MJ. High Glucose Decreases Kir4.1 and TREK-2 Potassium Channels

- Expression and Function in Astrocytes. 22<sup>nd</sup> Puerto Rico Neuroscience Conference. Ponce, PR (2013)
48. Rivera-Aponte DE, Rivera-Pagán A, Kucheryavykh YV, Kucheryavykh LY, Skatchkov SN, Eaton MJ. High Glucose Decreases Kir4.1 and TREK-2 Potassium Channel Expression in Cultured Cortical Astrocytes. SPINES Symposium. Wood, Hole (2013).
  49. Rivera-Pagán AF, Rivera-Aponte DE, Kucheryavykh LY, Kucheryavykh YV, Cubano LA, Skatchkov SN, Eaton MJ. TREK-2 Potassium Channels in Astrocytes are Functionally Up-Regulated During Ischemia Through a Mechanism Requiring de Novo Protein Synthesis. 2nd Satellite CaribeGLIA Symposium. Bayamón, PR (2013).
  50. Rivera-Pagán AF, Rivera-Aponte DE, Kucheryavykh YV, Kucheryavykh LY, Cubano LA, Skatchkov SN, Eaton MJ. A-Kinase-Anchoring Protein (AKAP150) May be Involved in Astrocytic TRECK-2 Channel Regulation During Ischemia. Society for Neuroscience Annual Meeting. San Diego, CA (2013).
  51. Rivera-Pagán AF, Rivera-Aponte DE, Kucheryavykh YV, Kucheryavykh LY, Cubano LA, Skatchkov S, Eaton MJ. A-Kinase-Anchoring Protein (AKAP150) May be Involved in Astrocytic TRECK-2 Channel Regulation During Ischemia. 22<sup>nd</sup> Puerto Rico Neuroscience Conference. Ponce, PR (2013).
  52. Rolón-Reyes K. Microglia Promote Glioma Cell Migration and Dispersal by Activating the PLCy1 and Pyk2 Signaling Cascade. 2nd Satellite CaribeGLIA Symposium. Universidad Central del Caribe (2013).
  53. Rolón-Reyes K, Méndez M, Rivera-Aponte DE, Skatchkov SN, Eaton MJ, Kucheryavykh L. Microglia Promote Glioma Cell Migration and Dispersal by Activating the PLCy1 and Pyk2 Signaling Cascade. AACR Annual Meeting 2013. Washington, DC (2013).
  54. Rolón-Reyes K. Microglia Promotes Glioma Cell Migration and Dispersal by Activating the PLCg1 and Pyk2 Signaling Cascade. 11<sup>th</sup> CMBC, NRC & SNRP Annual Retreat. (2013).
  55. Valentín N, Duarte J, Vilarón J, Veras W. A Unique Branching Pattern of the Celiac Trunk. Its Clinical and Embryological Significance. 11<sup>th</sup> CMBC, NRC & SNRP Annual Retreat. Bayamón, PR. (2013)
  56. Kucheryavykh LY, Méndez M, Rolón K, Rivera-Aponte DE, Skatchkov SN, Eaton MJ. Microglia Increase Glioma Cell PYK2 Signaling and Invasion. 13th RCMI International Symposium. San Juan, PR (2012).
  57. Méndez M, Rolón K, Rivera-Aponte DE, Skatchkov SN, Eaton MJ, Kucheryavykh L. Microglia promote glioma cell migration and dispersal by activating the PLC1 and Pyk2 Signaling Cascade. Society for Neuroscience. New Orleans, LA (2012)
  58. Méndez M, Rolón K, Rivera-Aponte DE, Skatchkov SN, Eaton MJ, Kucheryavykh L. Microglia promote glioma cell migration and dispersal by activating the PLC1 and Pyk2 Signaling Cascade. 20th Annual Puerto Rico Neuroscience Conference (2012).
  59. Méndez M, Rolón K, Rivera-Aponte DE, Skatchkov SN, Eaton MJ, Kucheryavykh L. Microglia Promote Glioma Cell Migration and Dispersal by Activating the PLCy1 and

Pyk2 Signaling Cascade. Society for Neuroscience. New Orleans, LA (2012)

60. Rios-Fuller TJ, Rosario-Acevedo R, Cubano LA, Martínez-Montemayor MM. Ganoderma lucidum (Reishi) induces autophagy in inflammatory breast cancer cells to promote cell death. Annual Biomedical Research Conference for Minority Students (ABRCMS), San Jose, CA. (2012).
61. Rios-Fuller TJ, Rosario-Acevedo R, Cubano LA, Martínez-Montemayor MM. Ganoderma lucidum (Reishi) induces autophagy in inflammatory breast cancer cells to promote cell death. Undergraduate Research Symposium. Carolina, PR (2012)
62. Rivera-Aponte D, Rivera-Pagán A, Skatchkov SN, Eaton MJ. Effect of Glucose Level in Astrocytes Gene and Protein Expression: Preliminary Study. 10th CMBC, NRC & SNRP Annual Retreat. (2012).
63. Rivera-Aponte D, Rivera-Pagán A, Kucheryavykh Y, Skatchkov SN, Eaton MJ. High Glucose Decreases Kir4.1 and TREK-2 Potassium Channels Expression and Function in Astrocytes. 21<sup>st</sup> PR Neuroscience Conference. (2012).
64. Rivera-Pagán A, Rivera-Aponte DE, Kucheryavykh LV, Kucheryavykh YV, Cubano LA, Skatchkov SN, Eaton MJ. Ischemia Upregulates TREK-2 Potassium channels in astrocytes. 21st PR Neuroscience Conference. (2012).
65. Rolón K, Méndez M, Rivera-Aponte DE, Skatchkov SN, Eaton MJ, Kucheryavykh LY. Microglia Increase Glioma Cell Pyk2 Signaling and Invasion. 21st PR Neuroscience Conference (2012).
66. Rolón K, Méndez M, Rivera DE, Skatchkov SN, Eaton MJ, Kucheryavykh LY. Microglia Promote Glioma Cell Migration and Dispersal by Activating the PLCg1 and PyK2 Signaling Cascade. 10th CMBC, NRC & SNRP Annual Retreat. (2012).
67. Rolon-Reyes K, Rivera-Aponte DE, Skatchkov SN, Eaton MJ, Kucheryavykh LY. Microglia promote glioma cell migration through the PYK2 pathway. Satellite Symposium of the 1st Caribbean American Conference on Glial Interactions and Brain Experiments. Universidad Central del Caribe (2012).
68. Rios-Fuller TJ, Vazquez Rosa E, Rodriguez M, Vega IE. “CDK5/p25 in Vitro Phosphorylation of the Novel Tau-associated Protein EFhd2”. Annual Biomedical Conference for Minority Students (ABRCMS). St. Louis, MO (2011).
69. Rolon K, Rivera-Aponte DE, Skatchkov SN, Eaton MJ, Kucheryavykh L. Microglia alter glioma cell signaling to promote migration and invasion. CMBC, NRC, SNRP Annual Retreat (2011).
70. Valentin N and Veras WR. Variation on the formation of superficial palmar arch: A cadaveric study. CMBC, NRC, SNRP Annual Retreat (2011).