The Potential Role and Characterization of MAGUK Family Proteins in the Mediterranean Field Cricket G. bimaculatus Emanuel Coleman, Class of 2022

Due to the global COVID-19 pandemic and the inability to safely practice social distancing in a laboratory setting, my original project for this summer titled "Investiga(gi)(na)BT6s)-(um)(m)Sel

and characterizing the membrane-associated guanylate kinase (MAGUK) protein family within the cricket to better understand the molecular neurobiological basis of plasticity in adultri)unthe cricket td.cty in aduulker neeyhulh of

in-person laboratory work becomes safe and feasible once again, we hope to perform qPCR, immunohistochemistry, and in situ hybridization experiments to the role of these proteins in the plastic cricket auditory system.

Faculty Mentor: Professor Hadley W. Horch, PhD

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