

*You are Cordially Invited to the
12th Annual UA-Howard Hughes Medical Institute Undergraduate Researcher Poster Presentation
Friday - July 29th - Noon – 2PM - Rast Room at the Bryant Conference Center*



Students from **The University of Alabama** **Stillman College** **Shelton State Community College**

Donald Andrews – Dr. Jennifer Edmonds: "Plant-microbe interactions In the Cahaba River shoals"

Joshua V. Aquino – Dr. Ryan Earley: "Distribution of sex hormone receptors in *Kryptolebias marmoratus* brains".

Akeem R. Borom – Dr. Kim Caldwell: "GAIP-interacting protein C-terminus (GIPC) and its role in dopamine neuroprotection"

Naadira Branch – Dr. Juan Lopez-Bautista: "Invasive seaweeds in the Gulf of Mexico: a molecular characterization"

Alejandro Carrasquilla – Dr. Guy Caldwell: "Dystonia Disease: The mechanism by which Ampicillin affects TorsinA activity"

Xaiver Clark – Dr. Stephen Secor: "How much water could a water snake chug if a water snake could chug water?"

Rebecca E. England – Dr. Guy Caldwell: "Neuron-specific RNAi Identifies modulators of dopamine neurodegeneration"

Taylor Hester – Dr. Stevan Marcus: "Testing the effects of pbs4 over expression in rich media"

Wesley E. Ingram – Dr. Stevan Marcus: "The two-hybrid system detects protein-protein interactions of frataxin in *S. pombe*"

Alyshah N. Lakhani – Dr. Laura Busenlehner: "Mitochondrial localization and oligomerization of *S. pombe* frataxin"

Annie A. Lenox – Dr. Ryan Earley: "Factors that promote outcrossing in the self-fertilizing *Kryptolebias marmoratus*"

Gregory M. Moore – Dr. Carol Duffy: "The Purification of Viral Protein 22 from HSV-1 Infected Cells"

Javeia McCoy – Dr. Jane Rasco: "Toxicity of iron oxide nanoparticles in fetal development of mice"

Bailey N. Nicholas – Dr. Stephen Secor: "Gut instinct: gastrointestinal response of the diamondback rattlesnake."

Will Payne – Dr. Ryan Earley: "Temperature effects on reproductive hormones in *Kryptolebias marmoratus*"

LaPortia Pierce – Dr. Janis O'Donnell: "Therapeutic drug screen in a *Drosophila* Parkinson's disease model"

Betsy A. Price – Dr. Stevan Marcus: "Friedreich's ataxia: exploring frataxin function in fission yeast"

Jazmine S. Pritchett – Dr. Matthew Jenny: "Does deepwater Horizon Oil exposure induce apoptosis in *Nematostella*?"

Paul A. Ramirez – Dr. Jane Rasco: "The localization of iron oxide nanoparticles in specific tissues from CD-1 mice fetuses"

Will Taite – Dr. Kim Caldwell: "Characterizing the role of the G_αS signaling pathway in dopamine signaling within *C. elegans*"

Desiree Wright – Dr. Margaret Johnson: "The epigenetic control of inositol phosphate biosynthesis"

Program Sponsored by a 2010 Howard Hughes Medical Institute Undergraduate Science Grant to The University of Alabama

Undergraduate Researcher Program Co-Directors: Dr. Stevan Marcus & Dr. Matthew Jenny

Future Faculty Graduate Program Assistant: Ebony Hodges. Campus Coordinators: Dr. Rosianna Gray (SC) & Dr. Karen Rose (SSCC)

Grant Director: Dr. Martha J. Powell