

2018 SPARK Scholars



Afreen Ashraf

Senior, Stanton College Preparatory School

Pharmaco-Synthetic Lethal Effect Upon Co-Targeting BCL-2 and Proteasome Degradation System Pathways in B-Cell Lymphoma

Faculty Mentor: Dr. Aneel Paulus

Lab Supervisor: Dr. Alak Manna



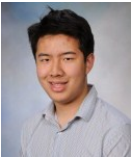
Ahmet Bilgili

Senior, Atlantic Coast High School

The Effects of Vitamin D on Mesenchymal Stem Cell Characteristics

Faculty Mentor: Dr. Abba Zubair

Lab Supervisor: Dr. Nisha Durand



Alexander "Alex" Tun

Senior, The Bolles School

Anti-PD1 Immune Checkpoint Blockade Therapy to Stimulate T Cell Activating Properties of Dendritic Cells

Faculty Mentor: Dr. Keith Knutson

Lab Supervisor: Jay Jenkins



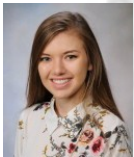
Ashton Body

Junior, The Episcopal School of Jacksonville

Targeted Drug Delivery for Drug Resistant Cancer

Faculty Mentor: Dr. Dev Mukhopadhyay

Lab Supervisor: Dr. Vijay Madamsetty



Courtney Krider

Senior, Ponte Vedra High School

Mesenchymal stem cells pre-treated in hypoxic conditions tend to have an increase in potency and possible clinical applications

Faculty Mentor: Dr. Abba Zubair

Lab Supervisor: Dr. Peng Huang



Elizabeth "Lilly" McCabe

Senior, Bartram Trail High School

Investigating the Role of SPINK1 in Attachment Free Survival of Ovarian Clear Cell Carcinoma through Inhibition of Trypsin-like Proteases

Faculty Mentor: Dr. Evette Radisky

Lab Supervisor: Dr. Christine Mehner



Isha Chekuri

Senior, Allen D. Nease High School

Regeneration of the Heart Using Exosomes

Faculty Mentor: Dr. DeLisa Fairweather

Lab Supervisor: Dr. Katelyn Bruno



Katherine Rodriguez

Senior, Allen D. Nease High School

Melatonin as an Anti-Proliferative Agent in Brain Metastasis From Breast Cancer

Faculty Mentor: Dr. Rachel Sarabia Estrada

Lab Supervisor: Beatriz Fernandez Gil

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Kavitha Vudatha

Senior, Stanton College Preparatory School

Using a Crispr-Cas9 method to knockout Aurora Kinase A gene expression in Pancreatic cancer cells

Faculty Mentor: Dr. Baoan Ji

Lab Supervisor: Ashley Haddock



Marc Pappas

Senior, Mandarin High School

Novel Small Molecule Targeted Combination Therapy for Metastatic Prostate Cancer (mPCa)

Faculty Mentor: Dr. John Copland

Lab Supervisor: Laura Marlow



Priyanka Perisetla

Senior, Stanton College Preparatory School

Attenuating α -synuclein Levels and Mitochondrial Dysfunction in a Cellular Model of Parkinson's Disease with Honokiol.

Faculty Mentor: Dr. Pam McLean

Lab Supervisor: Dr. Marion Delenclos and Jeremy Burgess



Raha Riazati

Junior, Stanton College Preparatory School

The Effect of Interaction with Neural Progenitor Cells on the Morphology, Proliferation, and Proteome of GBM Cells

Faculty Mentor: Dr. Hugo Guerrero Cazares

Lab Supervisor: Dr. Anna Carrano



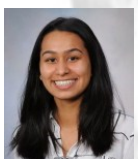
Rishi Misra

Junior, The Bolles School

The Role of Adherens Junction Protein PLEKHA7 in the Progression of Pancreatic Ductal Adenocarcinoma

Faculty Mentor: Dr. Panos Anastasiadis

Lab Supervisor: Lindy Pence



Sophia Kurian

Senior, Allen D. Nease High School

The Role of Adrenomedullin (ADM) in Breast Cancer Stem Cells

Faculty Mentor: Dr. Keith Knutson

Lab Supervisor: Dr. Geraldine Raja



Victoria Pham

Junior, Ponte Vedra High School

Screening of Novel Anti-Inflammatory Small Molecules in Endothelial Cells

Faculty Mentor: Dr. Dev Mukhopadhyay

Lab Supervisor: Dr. Ying Wang



Zoe Fields

Senior, Ponte Vedra High School

Characterization of Biomarkers of PKCi Directed Therapy for Treatment of Lung Cancer

Faculty Mentor: Dr. Verline Justilien