

JHS Scholars – Fall 2015 Placement:

Seniors	Mentors	Department	Project Title
Waynesha Blaylock	Dr. Jinge Mao	Biology - Tougaloo College	Radiation Effect on Vestibular System
Acacia Cooper	Dr. Jinge Mao	Biology - Tougaloo College	Radiation Effect on Vestibular System
Brandon Dean	Dr. Pradip Biswas/Dr. Banerjee	Physics - Tougaloo College	GIS Information
Kelli Gutter	Dr. Donna C Sullivan	University of Mississippi Medical Center	Epidemiological Analysis of an MRSA Outbreak in the NICU
Sherrall Jenkins	Dr. Jinge Mao	Biology - Tougaloo College	Microgravity Effect on TK6 cells
Jessica McKenzie	Dr. Babette Le Marca	University of Mississippi Medical Center	Early administration of 17-hydroxyprogesterone caproate to reduce uterine perfusion pressure (RUPP) rat model of preeclampsia improves inflammation, uterine artery vasoconstriction and blood pressure during pregnancy
Le'Andrea Mitchell	Dr. Douglas Vetter	University of Mississippi Medical Center	The role of CRF and CRF1 signaling in the cochlear nucleus
Jonathan Moore	Dr. Ervin Fox	Jackson Heart Study - University of Mississippi Medical Center	Clinical Correlates and Heritability of Flow Mediated Dilation (FMD) in The Jackson Heart Study
Courtney Sims	Dr. Leando Mena & T. Brown	Crossroad Clinic - University of Mississippi Medical Center	Better sex with latex (a study of HIV and STDs in young black men that have sex with men)
Rassan Turner	ON LEAVE		
Aurora Washington	Dr. Santunu Banerjee	Physics - Tougaloo College	Using photo thermal therapy to detect and destroy cancer cells
Juniors	Mentors	Department	Project Title
Breland Crudup	Dr. Solomon Musani & Dr. Manliang Feng	Jackson Heart Study Coordinating Center & Chemistry - Tougaloo College	Studies on the Dynamic structure of a di-heme protein
Allison Barnes	ON LEAVE		
Michael Cleveland	Dr. Donna Antoine LaVigne	Jackson State University - CORC(Community Outreach Center)	Community Health Education
Karien Dixon	Dr. Manliang Feng	Chemistry - Tougaloo College	DI-Heme Protein MAUG as a Dual MRI Contrast Agent
Amanda Dortch	Dr. Gabrielle Smith	Psychology - Tougaloo College	Racial identity throughout the lifespan for African Americans in Mississippi
Jessica Gutierrez	Dr. Nimr Fahmy/Ms. Sharron Streeter	Math - Tougaloo College	GIS Information/Dobbies Plantation
Courtney Mangum	Dr. Santunu Banerjee	Physics - Tougaloo College	GIS Information
Shanta Sykes	Dr. Scharri Walker	Biology - Tougaloo College	In Vitro Evaluation of Pediatric Brain Cell Lines
Corey Walters	Dr. Bidusha Sengupta	Chemistry - Tougaloo College	The Effect of Silver Nanoclusters on TA2C3 DNA

Maurice Whalen	Dr. George Armstrong	Chemistry - Tougaloo College	Microwave-Assisted Alkylation of Anilines: Alylation of 2, 6-Dimethylaniline with 1-Arylethanols
Sophomores	Mentors	Department	Project Title
Laurn Ashford	Dr. Bidusha Sengupta	Chemistry - Tougaloo College	Silver Nanoclusters as luminescence Probes
Timera Brown	Dr. Jinge Mao	Biology - Tougaloo College	The Association of cholesteryl ester with the progression of prostate cancer
Joshua Cotton	Dr. Manliang Feng	Chemistry - Tougaloo College	Resonance raman and electrochemistry at di-heme protein
Jonathan Zuniga-Hernandez	Dr. Nimr Fahmy/Ms. Sharron Streeter	Math - Tougaloo College	GIS Information
Aswad Jackson	Dr. Bianca Garner	Biology - Tougaloo College	The role of iron in the regulation of microbial physiology
Jabari Jackson	Dr. Bidusha Sengupta	Chemistry - Tougaloo College	Docking study of flavanoid ligands to DNA & Proteins
Kierra Jones	Dr. Lianna Li	Biology - Tougaloo College	DCLK1 Role of double cortin-like kinase 1 (DCLK) in maintaining stemness and increasing chemoristance of colorected cancer cells
Danielle Magee	Dr. Santunu Banerjee	Physics - Tougaloo College	GIS
Josiah Moore	Dr. George Armstrong	Chemistry - Tougaloo College	Organic Synthesis
Maria Jones-Muhammad	Ms. Beverly Thomas	Jackson Heat Study -UTEC Tougaloo College	RedCap Database
Shanterell Redd	Dr. Santunu Banerjee	Physics - Tougaloo College	Application of modified gold nano particles in bio-medical field
Raquema Williams	Dr. Pradip Biswas	Physics - Tougaloo College	Identifying alternate targets for prostate cancer prog designing