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Announcement of 2015-2016 COSM COUR Awards

April 16, 2015

The COSM College Office of Undergraduate Research is pleased to announce the 2015-2016 Research Scholars. Our office received 30 proposals requesting over \$61,000 in support, and we were able to support 19 students with approximately \$32,000 in support to conducted research. Please join me in congratulating these students!



College of Science and Mathematics
College Office of Undergraduate Research
"We Center on Undergraduate Research"

2015-2016 COUR Research Scholars

<u>Student</u>	<u>Research Mentor</u>	<u>Project</u>
Christopher Mays	Dr. Eric Gato	In Utero Exposure to 2-Aminoanthracene and Type-1 Diabetes
Andrea Wilson	Dr. Laura Regassa	Sugar Use Profiles to Inform Host Range of Spiroplasma bacteria
Danielle Lott	Dr. Vinoth Sittaramane	The Behavioral Study of Autism in Zebrafish
Brittany Smith	Dr. Vinoth Sittaramane	Role of molecular motor protein myosin 10 in building the vertebrate eye
Amber Monroe	Dr. Subhrajit Saha	Effects of Freshwater Crayfish Aquaponics System on Vigor and Yield of Leafy Vegetables
Skyler Lambeth	Dr. Checo Colon-Gaud	Assessing invertebrate colonization of different substrate types as a tool for river monitoring
Jesus Melchor	Drs. Chandler and Colon-Gaud	Measuring urban forestry developmental growth and biomass at Charles H. Herty Pines Nature Preserve
Caleb Bohannon	Dr. Hans Schanz	Development of multifunctional cell-free Hemoglobin
Dhruvil B Patel	Dr. Ji Wu	Programmable drug delivery systems using electrospun core-shell nanofibers under infrared stimuli
Shelby Scherer	Dr. Amanda Stewart	Redesigning proteins to bind methylated DNA minimizing MBD protein binding
Sarah Roessler	Dr. Hans Schanz	TEMPO-Functionalized ROMP Polymers for B
Souleymane Hussein Seye	Dr. Rafael Quirino	Microwave-assisted Free Radical Polymerization of Tung Oil-based resins
Jonathan R. Taylor	Dr. Ji Wu	Detection of Norovirus (NoV) using Functionalized Nanoporous Membrane
Lena Hudson	Dr. David Kreller	DOM characterization using absorbance, fluorescence and aromaticity indices
Cyndie Mitchell	Dr. David Kreller	What Functional Groups are Important in the Adsorption of Dissolved Organic Matter?
Philip Early	Dr. John Van Stan	Amount and quality of canopy-derived dissolved organic carbon (DOC) subsidies to the forest floor ecosystem
Alexis Hayser	Dr. Fred Rich	Atlantic Horseshoe Crab (<i>Limulus polyphemus</i>) Tagging and Population Survey on St. Catherine's Island
John R. Cannon	Dr. Xiaolu Zhou	Investigating Light Illumination and its Effect on Campus Crime Using GIS and UAS
Anne M. DeLua	Dr. Max Durach	Low-loss Directional Photonic Metasurfaces Employing Dyakonov Plasmonic Waves

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