

2019-2020 Faculty Student Research Awards

Faculty Sponsors	Applicants	Department	Project Title	Award
Amaya, Luz	Brandon Broadhurst; Joshua Cooper; Janio Andrades	Engineering	Evacuated Glass Tube Solar Water Distiller	\$ 750.00
Amaya, Luz	Abby McNab; Gordon Perrett; Jason Alvarez	Mechanical Engineering	Solar Panel Design to Maximize Efficiency	\$ 1,000.00
Bray, Alicia	Shannon Garrick	Biology	Mosquito Biodiversity and Abundance in Wetland Areas of Hartford County, CT	\$ 500.00
Bray, Alicia	Kavya Suresh	Biology	The use of nematodes as an alternative pest removal for Culex pipiens molestus	\$ 500.00
Broadus-Garcia,Cassandra	Angela Borges & Georgia Exner	Art	Industrially Inspired and Inspired by Industry: Exhibitions of Industrial Forms and Ceramic Artworks	\$ 960.00
Chakraborty, Sourav	Andrew Pilkons	Chemistry & Biochemistry	Understanding metabolic fate of capsaicinoids and flavonoids in model bacteria – A study using liquid chromatography – tandem mass spectrometry	\$ 500.00
Davis, Michael	Nicholas Keegan & Zachary Lane	Biomolecular Sciences	Determining the Rate and Type of Mutation Conferring Bacteriophage Resistance in the Opportunistic Bacterial Pathogen Propionibacterium acnes	\$ 981.00
Donohue, Peg	Kathryn Gallagher Goldberg	Counselor Education and Family Therapy	Redefining Optimal School Counselor to Student Ratio to Maximize Student Outcomes	\$ 500.00
Drew, Sally	Alicia Wetherbee	Special Education & Interventions	Investigating Response to Intervention (Rtl) Implementation Integrity in Elementary Reading instruction in Connecticut's Schools	\$ 500.00

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Garceau, Timothy	Caryn DeCrisanti	Geography	Developing a Campus Transportation Plan: Improving Access at Central Connecticut State University	\$ 500.00
Garceau, Timothy	John T. Russell	Geography	Bikeshare Equity in New Haven, CT	\$ 500.00
Hoopengardner, Barry	Lindsey Wainright & Emma Hintz	Biomolecular Sciences	Gene expression in dopamine receptors in healthy mice and in response to Alzheimer's Disease	\$ 894.00
Johnson, Steven	Dylan G. Goncalves	Engineering	Processing and Analysis of Aluminum and Aluminum Alloy Powder Compacts	\$ 500.00
King, Thomas	Kim-Tran Vo; Ondine Fraher; Meredith Noble	Biomolecular Sciences	Importation and complementation testing of the Heph1Mtgx mouse mutant	\$ 1,000.00
King, Thomas	Juan Samuel-Constanzo & Khalil Ragland	Biomolecular Sciences	Do the Heph1cw and Heph1cw-2J mutations generate barriers to graft compatibility in mice?	\$ 1,000.00
Kootsookos, Peter	Shaun Maynard; Santos Santillan; Alejandro Robles	Engineering	Motorized Heat Shield for Cars	\$ 1,000.00
Marjani, Sadie	Savannah M. Pare	Biology	WholeGenome Analysis of Oxygen Concentration Effects on Methylation Markers During Early Embryonic Bovine Development	\$ 500.00
Maurer, Sarah	Tanner Brault & Brooke Thompson	Chemistry & Biochemistry	Characterizing biomolecules in oil phases to understand the possibility of life elsewhere in the universe	\$ 1,000.00

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Naoumov, Viatcheslav	Christopher Miller; Luke D'Ascoli; John Noble; Megan Clarke; Amadou Diane; Corey Hutchinson; Kevin Bielawski; Adam Salama	Engineering	Hybrid Propellant Rocket Engine Project - Stage IX: Instrumentation System Upgrade and Study of Combustion of Bee's Wax and Paraffin in the Conditions of Oxidizer-Lean and Oxidizer-Rich Combustion.	\$ 1,000.00
Pope, Cynthia	Ryan Faulkner	Geography	Evaluating Usage and Users of the CTFastrak Multi-Use Trail	\$ 500.00
Schenck, Samantha Marie	Caylee Short	Economics	The Impact of College Major Choice on the Gender Wage Gap in Connecticut	\$ 500.00
Sianez, Davis	Broderick Rheault; Benjamin Dobbs; James Iovanna	Technology and Engineering Education	CNC Laser Cutter Research and Development Build	\$ 1,000.00
Smith, Jessica	Nicole Karpinski & David Hernandez	Biomolecular Sciences	Uncovering mechanisms of direct metalmicrobe iron corrosion	\$ 1,000.00
Wang, Haoyu	Joseph Smith & Franklin Ceron	Manufacturing and Construction Management	Activating the Third Arm: Using Eye Tracking for Robotic Manual Control	\$ 1,000.00
Wizevich, Michael	Lucas Brown	Geological Sciences	Geochemical Analyses of Concretions within the Ruby Ranch Member of the Cedar Mountain Formation, East-Central Utah	\$ 500.00
Zhou, Bin	Harriette Shakeri; Sanjivkumar Patel; Phillip Izydorczak; Michael Cermola	Engineering	Berlin Timber Bridge Research and Construction	\$ 1,000.00
				\$ 19,585.00