

2015-16 Faculty-Student Research Grants

Faculty	Students	Applicants	Department	Project Title	Award
Andreoletti, Carrie & June, Andrea	Kristyn Bacot	2 Faculty + 1 UG co-applicants	Psychological Science	Can intergenerational service-learning increase well-being and generativity in older adults?	\$ 500.00
Bray, Alicia	Shawn Mullen	Faculty + G co-applicant	Biology	Survey of Wood Boring Beetles of White Memorial Foundation to Assess Forest Health	\$ 550.00
Bray, Alicia	Erin McEwen	Faculty + UG co-applicant	Biology	Isolation of DNA from an invasive population of emerald ash borer	\$ 500.00
Broderick, David	Mario Bufalini, Jonathan Ciccio	Faculty + 2 UG co-applicants	Computer Electronics & Graphics Technology	Flight Simulator Using Analog Electronics	\$ 419.00
Button, Charles	Kimberly Snow	Faculty + G co-applicant	Geography	CCSU Weather & Climate Characteristics and Relationships to Urban and Forest Land Cover	\$ 494.00
Chakraborty, Sourav	Justin Peschke	Faculty + UG co-applicant	Chemistry and Biochemistry	Determination of capsaicin and related compounds from complex matrices	\$ 500.00
Chakraborty, Sourav	Alexander Steele, Ewa Lotkowska	Faculty + 2 UG co-applicants	Chemistry and Biochemistry	Determination of apple tissue browning products in vitro using oxidation of phenolic compounds	\$ 1,000.00
Chase, Daniel	Leighton H. Duncan	Faculty + G co-applicant	BioMolecular Sciences	Implementing a Non-sense Mediated Decay Strategy to Assess the Role of Embryo Lethal	\$ 500.00

2015-16 Faculty-Student Research Grants

Faculty	Students	Applicants	Department	Project Title	Award
Davis, Michael	Therin Scott	Faculty + UG co-applicant	BioMolecular Sciences	Enhancement of Microbial Bioremediation of Gasoline-Contaminated Soil	\$ 538.00
Feder, Kenneth	Joseph R Kierwiak IV	Faculty + UG co-applicant	Anthropology	Connecting Connecticut Boy Scouts with local camp history through archaeology	\$ 205.00
Hoopengardner, Barry	Jessica Beaulieu, Chris Bedrin, Gabriel Benet, Daniella Dennis, Amanda Khan, Joseph McLaughlin, Torie Radoff, Nabila Shah,	Faculty + 8 UG co-applicants	BioMolecular Sciences	Expressional and functional studies of RNA editing in metazoa	\$ 1,990.00
Jarrett, Jeremiah	Nicole Dean, Julia Mondak, Jordan Gronback	Faculty + 3 UG co-applicants	Biology	Application of molecular techniques to examine the defensive plasticity of the barnacle <i>Chthamalus dalli</i>	\$ 750.00
Jarrett, Jeremiah	Rebecca Caravello, Rutviben Patel, Tanita Watson	Faculty + 3 UG co-applicants	Biology	Documenting species diversity of Caprellids in Long Island Sound using molecular techniques and	\$ 491.00
Kapper, Martin	Joseph Patria, Paul J. Stirba	Faculty + 2 G co-applicants	BioMolecular Sciences	Using Real Time RT-PCR to Detect Induction of HSP70 in the Ribbed Mussel Following Salinity Stress	\$ 431.00
King, Thomas	Tu V. Nguyen, Legairre A. Radden	Faculty + 1 UG co-applicant, 1 G co-applicant	BioMolecular Sciences	Assignment of the spontaneous rough fur (ruf) mutation to the myelin protein zero-like 3 (Mpzl3)	\$ 610.00

2015-16 Faculty-Student Research Grants

Faculty	Students	Applicants	Department	Project Title	Award
King, Thomas Kapper, Martin	Mohammed A. Rabah, Kenny M. Palanza, Ardian Ferraj	2 Faculty + 2 UG co-applicants, 1 G co- applicant	BioMolecular Sciences	A histological comparison of rough fur (ruf) and rough coat (rc) mice.	\$ 585.00
Maurer, Sarah	Miles Petchler, Ruth Bowman	Faculty + 2 UG co-applicants	Chemistry and Biochemistry	Fur Secreted Lipid Characterization of RUF vs. Wild type <i>Mus musculus</i> Genotypes	\$ 703.00
Maurer, Sarah	Agata Orlinski	Faculty + G co-applicant	Chemistry and Biochemistry	The Role of Membrane- Incorporated PAHs on UV-Induced CPD Formation	\$ 500.00
Moore, Edward	Sam Lounsbury, James Gamache	Faculty + 2 UG co-applicants	Engineering	SUSPENSION DESIGN VALIDATION TOOLS	\$ 500.00
Naoumov, Viatcheslav	Adam Mocarski, Sarah Boden, Diego Varela Ferrero, Mohamed Shalaby, Kristine Sherman	Faculty + 5 UG co-applicants	Engineering	HPRE Project - Stage VI. Comparative Analysis of the Combustion of 0.5", 1.0" and 1.5" Inner Diameter Solid Propellant	\$ 1,250.00
Nicholson, Barbara	Abbey Crouse	Faculty + UG co-applicant	Biology	Salamander-Earthworm Relationships	\$ 335.00
Nicholson, Barbara	Roopesh Motiram	Faculty + UG co-applicant	Biology	The capacity of Sphagnum Moss to determine atmospheric ion concentration.	\$ 500.00
O'Connor, John	Anthony Huaqui	Faculty + UG co-applicant	Sociology	The Neoliberal Paradox: Financialization and Welfare System Operation	\$ 335.00

2015-16 Faculty-Student Research Grants

Faculty	Students	Applicants	Department	Project Title	Award
Oyewumi, Oluyinka	Danielle Guzzardi	Faculty + UG co-applicant	Geological Science	Evaluating the Impact of Human Activities on the Concentration of Trace and Major Elements in the Farmington River drainage systems, Windsor, CT	\$ 500.00
Oyewumi, Oluyinka	Carley M Cavanaugh	Faculty + UG co-applicant	Geological Science	Assessment of lead content in soil around Metacon Shooting Gun Range Simsbury, Connecticut	\$ 500.00
Pozorski, Aimee	Mercedes Mckelvie	Faculty + UG co-applicant	English	Expression of Personal Identity: Extracurricular Activities in Schools	\$ 165.00
Signhal, Rahul LeMaire, Peter	Nicholas A. Lombardo	2 Faculty + 1 UG co-applicant	Physics and Engineering Physics	Synthesis and Characterization of $\text{MxCo}_{1-x}\text{Fe}_2\text{O}_4$ Magnetic Nanoparticles	\$ 360.00
Singhal, Rahul & LeMaire, Peter	Eric Kolodziej	2 Faculty + 1 UG co-applicant	Physics and Engineering Physics	Effect of pH on band gap of transition metal ion doped ZnO nanoparticles.	\$ 400.00
Valerie, Lynda	Jennifer Kinell, Laura O'Brien, Elisabeth Peterson	Faculty + 3 G co-applicants	Literacy and Language Arts	Dyslexia: A Growing Topic of Reading Development The Barriers in Teaching and School	\$ 749.00
Wei, Fu-Shang	Marek Konopka, Michal Godlewski, Thiago Fonseca,	Faculty + 5 UG co-applicants	Engineering	Tandem Helicopter – Senior Project	\$ 800.00
Wei, Fu-Shang	Shawn Thompson, Brian Howes, Nathan Campagna, Yona Horn	Faculty + 4 UG co-applicants	Engineering	Senior Project: Construction of Mini Lathe	\$ 1,500.00
Wizevich, Michael	Melissa Luna	Faculty + 1 UG co-applicant	Geological Science	Using Uranium---Lead Age Dating of Detrital Zircons to Identify Sediment Source Areas for the	\$ 500.00