

2018-19 Faculty Student Research

Faculty Sponsors	Applicants	Department	Project Title	Award
King, Thomas	Nia-Zaire Esgdaille & Juan Samuel-Constanzo	Biomolecular Sciences	Are Heph1 defects found only in "curly-whiskers" (cw and cw2J) mutants?	\$ 1,000.00
King, Thomas	Taotao Tan & Henry Jimenez	Biomolecular Sciences	How do the cw and cw2J mutations alter the processing of Heph1 mRNA transcripts in mice?	\$ 1,000.00
June, Andrea	Helena Swanson & Hannah Rodrigues	Psychological Science	Presentation of a Community Based Research Project at a Professional Conference	\$ 1,000.00
Johnson, Steven C.	Jason S. Alvarez	Engineering	Analysis of Magnesium and Magnesium Alloy Powders for Practical Processing Methods	\$ 500.00
Pope, Cynthia	Daniel P. Lowry	Geography	Post Irma evaluation of Sustainable Recovery and Land Use on St. John, U.S.V.I.	\$ 500.00
Wizevich, Michael	Brendan Hughes	Geological Sciences	Understanding Bleaching Fluid Flow Alteration in the New Haven Arkose, Hamden CT.	\$ 381.00
Sianez, David	Connor Spencer	Technology and Engineering Education	Composite Prototype Table Design	\$ 500.00
Zlatareva, Neli	Jeffrey Blankenship	Computer Science	A Knowledge-Based System for Real-time Monitoring and Alarm of Neurological Episodes in Progress	\$ 500.00
Singhal, Rahul	Thomas Wynosky	Physics and Engineering Physics	Synthesis and physical characterization of MnO ₂ /carbon nanotube composites	\$ 500.00
Valerie, Lynda	Brenda Ballard	Literacy, Elementary, and Early Childhood Education	The Power of the Alphabet	\$ 469.85
Naoumov, Viatcheslav; Al-Masoud, Nidal	Jeffrey Apmofo; Jalal-ud-din Butt; Calvin Correa; Briana Forest; Patel Keval; Chad Whitney	Engineering	Hybrid Propellant Rocket Engine Project - Stage VIII: Study of Combustion of Bee's Wax and Paraffin in the Lab-Scale Engine at the Increased Flow Rates of Oxygen	\$ 1,000.00
Kurkovsky, Stan	James Luczynski	Computer Science	Tree Species Classification Based on Leaf Images Using Neural Network	\$ 500.00
Evans, Mark	Benjamin Bogue	Geological Sciences	Testing the relation between fluid flow and progressive deformation in the Whiskey Flats Anticline, Wyoming-Idaho	\$ 490.14
Wizevich, Michael	Kaitlin Taylor	Geological Sciences	"Petrogenesis of Lamprophyres in the Wallingford Quadrangle"	\$ 500.00
Barmon, Christina	Kathleen Walsh	Sociology	Relationship Satisfaction and Sexual Intimacy Among Caregivers	\$ 500.00
Hoopengardner, Barry	David Kerns; Sean Minchak; Jackie Valentino; Lindsey Wainright	Biomolecular Sciences	RNA editing in ion channels of over-wintering honey bees	\$ 1,000.00
Goh, Tan Leng	Lauren Futtner	Physical Education & Human Performance	2018-2019 Faculty- Student Research Grant for Attendance & Presentation at the 2019 SHAPE America Convention	\$ 500.00
Warshauer, Matthew	Randall Cox; Yesenia Karas	History	Teaching 9/11	\$ 1,000.00

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Wei, Fu-Shang	Patrick Tobin; Carlos Albino; Michael Engengro; Matthew Drozdal	Engineering	K-Max Helicopter Bendix Engagement Mechanism	\$ 1,000.00
Moore, Edward	Nicholas West; Dylan Gonclaves	Engineering	Design and Fabrication of a Metal 3D Printer	\$ 980.00
Kirstukas, Steven	Deborah Boehne; Justin Mertz; Brandon Lara	Engineering	Biomechanical Testing Apparatus for Joint Prosthetics/Bracing Applications	\$ 735.00
Moore, Edward	Thomas Hale	Engineering	Improving manufacturing performance with dense sensor networks: an application of the principles of Industry 4.0	\$ 448.10
Hapeman, Paul	Sarah Ashbrook	Biological Sciences	Occupancy Modeling of American marten (<i>Martes americana</i>) in southern Vermont	\$ 493.00
Johnson, Steven C.	Adam Campagna	Engineering	Characterization and Processing of Aluminum Powders for Use in Structural Applications	\$ 500.00
Bray, Alicia	Shannon Garrick	Biology	Survey of Nymphal and Adult Ticks in Hartford County, Connecticut	\$ 500.00
Kapper, Martin	Sean Byrne	Biomolecular Sciences	Role of HSP-70 in regeneration of Planaria	\$ 500.00
Zhou, Bin	Fernanda DeOliveira; Kristjana Kabilo; Sylwia Tanski; Audrey Troch; Jennifer Ventura	Engineering	Timber as a Competitive Material for Structural Design	\$ 1,000.00
Hapeman, Paul	Erin McEwen	Biology	Temperature manipulation in European honey bee hives as a control method for varroa mite infestation and disease transmission	\$ 500.00
Melnyk, Jason	Dan Nordstrom	Physical Education & Human Performance	An Assessment of the Deadlift versus the Squat on Post Activation Potentiation and Vertical Jump Height	\$ 498.82
Evans, Mark	Jake Weiss	Geological Sciences	Paleo-Hydrostratigraphy of the Paleozoic – Mesozoic Stratigraphic Section in the Sawtooth Range, Montana	\$ 466.80
Dobbs-McAuliffe, Betsy	Alexander Radecki; Lina Allam	Biomolecular Sciences	THE RESCUE OF ETHANOL INDUCED PHENOTYPES IN ZEBRAFISH EMBRYOS TREATED WITH N-ACETYL CYSTEINE	\$ 824.00
Kurkovsky, Stan	Melissa Mulcahy; Emily Park	Computer Science	ARC- A resource for cosplay	\$ 1,000.00
Bray, Alicia	Kavya Suresh	Biology	Use of bacteria and color as ovipositional attractants for <i>Culex pipiens</i> in Connecticut.	\$ 500.00
Pozorski, Aimee	Haley Birch	English	Presenting "Atypical Masculinity in the Wake of Terror" at the 2019 Sigma Tau Delta International Convention in St. Louis, MO	\$ 500.00
Maurer, Sarah	Frukan Ileaasu; Mitchell Dooling	Chemistry & Biochemistry	Reduction of CO ₂ on early Earth Using UV Radiation	\$ 1,000.00
Koulidobrova, Elena	Jonathan Cranston	English	Offline Relative Clause Attachment and Timing of Information Processing in Second Language Learners	\$ 500.00

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Maurer, Sarah	Matthew Beckoff; Peyton Thorpe	Chemistry & Biochemistry	Nucleic acid partitioning into non-aqueous solvents	\$ 1,000.00
Keazer, Lindsay	Macie Leheny	Mathematics	Connecting Math with Literacy	\$ 500.00

\$ 25,286.71