

Central Connecticut State University, External Grant Activity - Submissions and Awards, 2017 - 2018

| Academic Unit | Department | PI/Proj. Director | Request | Funding | Status | Sponsor | Project Title |
|---|------------|-------------------|--------------------|------------------|--------|--|--|
| <i>College of Liberal Arts and Social Sciences</i> | | | | | | | |
| Criminology and Criminal Justice | | | | | | | |
| | | Cox | \$30,000 | \$30,000 | A | CT OPM/U.S. Department of Justice | STOP Violence against Women Formula Grant |
| | | Cox | \$255,000 | \$255,000 | A | CT Judicial Branch/U.S. Department of Justice | Domestic Violence Offender Batterer Intervention Program Standards |
| | | Cox | \$20,171 | \$20,171 | A | CT Judicial Branch | Judicial Marshall Testing |
| Geography | | | | | | | |
| | | Benfield | \$27,500 | \$27,500 | A | National Geographic Society Educational Foundation | 2017-2018 Connecticut Alliance Grant |
| | | Button | \$4,500 | \$4,500 | A | David Educational Foundation | Campuses for Environmental Stewardship |
| History | | | | | | | |
| | | Tully | \$1,281,019 | | N | U.S. Department of Education | National Civics Day: Teaching Citizenship Through Inquiry |
| | | Subtotals: | \$1,618,190 | \$337,171 | | | |
| <i>Institutional Advancement</i> | | | | | | | |
| Inst. of Technology & Business Dev. (ITBD) | | | | | | | |
| | | Mullins | \$479,490 | | P | Tektonix | Material Properties of Graphene |
| | | Mullins | \$104,600 | | P | CT Department of Labor | MIF Incumbent Worker Training Program |

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| Institute for Municipal & Regional Policy | | | | | | | |
| | | Barone | \$98,055 | \$98,055 | A | RI Department of Transportation | Statewide Traffic Stop Data Statistics, Analysis and Reporting |
| | | Barone | \$521,020 | \$521,020 | A | CT Department of Transportation | 2018 Program to Monitor and Prohibit Racial Profiling in Connecticut |
| | | Barone | \$139,799 | \$139,799 | A | CT Department of Transportation | 2017 Program to Monitor and Prohibit Racial Profiling in Connecticut |
| | | Subtotals: | \$1,342,964 | \$758,874 | | | |
| Office of Academic Affairs | | | | | | | |
| Library | | | | | | | |
| | | Antonucci | \$5,000 | \$5,000 | A | Institute of Museum and Library Sciences | EXCITE |
| Office of the Provost/Vice President | | | | | | | |
| | | Paige | \$280,000 | \$51,450 | A | Farmingdale State College/U.S Department of Education FIPSE | First in the World Research Aligned Mentorship Program (Continuation Supplement) |
| | | Paige | \$1,200,000 | \$240,000 | A | U.S. Department of Education | 2017-2018 Talent Search TRIO Program (Year Two) |
| | | Paige | \$1,287,500 | \$1,319,690 | A | US Department of Education | TRIO - Upward Bound Math & Science New Britain |
| | | Soler | \$25,802 | | P | CT DCF | CARE |
| | | Subtotals: | \$2,798,302 | \$1,616,140 | | | |
| Office of Administrative Affairs | | | | | | | |
| Police | | | | | | | |
| | | Cervoni | \$38,305 | \$38,305 | A | CT Department of Transportation | FY 2018 Underage Alcohol Enforcement |
| | | Subtotals: | \$38,305 | \$38,305 | | | |

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| <i>Office of the President</i> | | | | | | | |
| | Center for Public Policy and Social Research | | | | | | |
| | | Kliger | \$107,398 | \$107,398 | A | Confucius Institute Headquarters | 2018 Confucius Institute |
| | | Subtotals: | \$107,398 | \$107,398 | | | |
| <i>School of Education and Professional Studies</i> | | | | | | | |
| | Counseling and Family Therapy | | | | | | |
| | | Donohue | \$2,250 | \$2,250 | A | Southern Connecticut State University | A Study to Measure the Impact of School Counselor Ratios on Student Outcomes |
| | Educational Leadership | | | | | | |
| | | Clark | \$34,231 | | N | Association for Institutional Research | ACCESS GROUP/AIR RESEARCH AND DISSERTATION FELLOWS PROGRAM |
| | Physical Education & Human Performance | | | | | | |
| | | Ciotto | \$5,000 | | P | National Association for Kinesiology in Higher Education | The Effects of Before and After School Physical Activity on Academic Performance and Social and Emotional Learning |
| | Special Education | | | | | | |
| | | Drew | \$6,000 | | P | American Psychological Association | Examining Self-Regulated Strategy Development (SRSD) To Improve Writing Instruction in Inclusive Middle School Science Classrooms |
| | | Drew | \$399,922 | | N | U.S. Department of Education/Institute of Education Sciences | Examining Practice-based Professional Development and Self-Regulated Strategy Development To Improve Writing Instruction in Inclusive Middle School Science Classrooms: |

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| | | Nicoll-Senft | \$67,252 | | P | Sanford Programs at National University | Sanford Inspire Beginning Teacher Mentorship Project |
| | | Subtotals: | \$514,655 | \$2,250 | | | |

School of Engineering, Science and Technology

Biology

| | | | | | | | |
|--|---------|--|----------|----------|---|--|---|
| | Bray | | \$56,261 | | P | USDA | Farm Bill/Metastorm-Tiphia |
| | Hapeman | | \$25,000 | \$25,000 | A | The Frank and Rene Floyd Family Foundation | Marten and Mink Research |
| | Hapeman | | \$13,705 | | P | Vermont Fish and Wildlife | Collaborative Marten Research-Phase I on the Green Mountain National Forest |
| | Marjani | | \$18,000 | \$18,000 | A | CT Next | CT Next Innovations Partnership |

Biomolecular Sciences

| | | | | | | | |
|--|--------|--|-----------|----------|---|--|--|
| | King | | \$135,677 | | P | National Institutes of Health | Gene assignment for and initial immunogenetic characterization of the curly whiskers (cw) mutation in mice Gene assignment for and initial immunogenetic characterization of the curly whiskers (cw) mutation in mice". This application is |
| | Martin | | \$85,266 | \$85,266 | A | UConn Health Center | Summer 2018 Medical Dental Preparatory Program (MDPP) |
| | Martin | | \$25,000 | \$25,000 | A | UConn Health Center | 2017-18 Great Explorations Middle School Program |
| | Martin | | \$10,800 | \$10,800 | A | UConn Health Center | Summer 2018 High School Summer Research Apprenticeship Program |
| | Martin | | \$196,400 | | P | UConn/U.S. Department of Health & Human Services | Health Professions Partnership Initiative |

Chemistry & Biochemistry

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|---|-------------------|--------------------------|----------------|----------------|---------------|--|---|
| | | Chakraborty | \$380,634 | | P | National Science Foundation | MRI: Acquisition of a liquid chromatograph photodiode array tandem mass spectrometer for interdisciplinary research and education |
| | | Maurer | \$133,664 | \$133,664 | A | National Science Foundation | Collaborative Research: Life Out of Water - Possibility of Evolution in Non-Aqueous Environments |
| | | Maurer | \$224,194 | \$201,773 | A | NASA | Energy Transduction And Carbon-Fixation By Membrane-Bound Polycyclic Aromatic Hydrocarbons As An Early Photosynthetic Model (16-EXO16_2-0118) |
| Computer Electronics and Graphics Technology | | | | | | | |
| | | Park | \$1,008,750 | | P | National Science Foundation | SCC: Self-Adaptive, Smart Building Control for Sustainable Communities |
| Computer Science | | | | | | | |
| | | Kurkovsky | \$3,306,709 | \$4,982,084 | A | National Science Foundation | CSMP Scholarship Program of Central Connecticut |
| Engineering | | | | | | | |
| | | Gates | \$1,000 | \$1,000 | A | CT Space Grant Consortium (UHart/NASA) | Autonomous Underwater Vehicles |
| | | Gates | \$1,000 | \$1,000 | A | CT Space Grant Consortium (UHart/NASA) | Multirotor with Multidirectional Robotic Arm |
| | | Hanson | \$1,000 | \$1,000 | A | NASA/CT Space Grant | The Implementation of Unmanned Aerial Vehicles for the Detection of Radioactivity |
| | | Hill | \$1,000 | \$1,000 | A | NASA/CT Space Grant | Multi-Rotor with Multi-Directional Robotic Arm |
| | | Johnson | \$10,000 | | N | CT Space Grant Consortium (UHart/NASA) | Development of Near Shape Aluminum and Magnesium Alloys for Structural Applications |

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| | | Vasko | \$64,601 | | P | Federal Aviation Administration | Cabin Interior and Engine Related Impact and Failure Analysis Guidelines for Non-Linear Finite Element Modeling |
| | | Vasko | \$70,000 | \$69,766 | A | Federal Aviation Administration | Cabin Interior and Engine Related Impact and Failure Analysis Guidelines for Non-Linear Finite Element Modeling |
| | | Wei | \$10,000 | | N | CT Space Grant Consortium (UHart/NASA) | Vibration Reduction for K-Max Helicopter Flight Envelope |
| | | Wei | \$900 | \$900 | A | CT Space Grant Consortium (UHart/NASA) | K-MAX Helicopter Instrumentation |
| | | Wei | \$5,000 | \$5,000 | A | CT Space Grant Consortium (UHart/NASA) | Design, Implementation, and Wind Tunnel Testing of an Aeroservoelastic Flutter Control System |
| | | Wei | \$10,000 | | N | CT Space Grant Consortium (UHart/NASA) | Multi-purpose Aircraft for NASA Urban Air Mobility Integration |
| Manufacturing and Construction Management | | | | | | | |
| | | Wang | \$10,000 | \$5,000 | A | CT Space Grant Consortium (UHart/NASA) | Intelligent Interfaces for VR/AR Mediated Teleoperation of Heterogeneous Space Robots (Collaborative research between CCSU and Trinity College) |
| | | Wang | \$222,000 | | P | UConn/Advanced Robotics for Manufacturing Institute | Connecticut Apprenticeship Program in Robotics and Automation (CAPRA) |
| Mathematical Sciences | | | | | | | |
| | | Kalder | \$274,580 | \$274,580 | A | CT State Department of Education | Mathematics and Science Partnership Grant Program |
| Physics and Engineering Physics | | | | | | | |
| | | Thomas | \$145,168 | \$145,168 | A | CT Department of Education | NESSLIE: Next Gen Earth & Space Science Literary Instruction Expertise |
| | | Thomas | \$140,705 | \$140,705 | A | CT Department of Education | 2017-18 Mathematics & Science Partnership Program |

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| | | Thomas | \$162,405 | \$162,405 | A | CT Department of Education | 2017-18 Mathematics & Science Partnership Program (Transfer from SCSU) |

Subtotals: \$6,749,419 \$6,289,111

Total Funds Requested: \$13,169,233

Total Funds Awarded: \$9,149,249