

Year	Investigator(s) Last name	Investigator(s) First name	Department	Project Title
2020	Zhang Im Jagota	Frank Wonpil Anand	BioE	Experimental and Computational Study of Coronavirus Spike Protein-Mediated Viral Entry
2020	Packer Marsh Bocchini Casagrande Davison Lamadrid Sause	Dominic Jessecae Paolo David Brian Alberto Richard	Psychology Psychology CEE Sociology & Anthropology CSE Economics CEE	Perceptions Shaping Reality v2.0: Tracking Perceptions and Responses to the Unfolding COVID-19 Pandemic
2020	Pashuck Schultz Brown Thévenin	Eugene Kelly Angela Damien	BioE ChemE ChemE Chemistry	Promotion of the wound healing process using sequential release of biological agents from a single synthetic scaffold
2020	Strandwitz Fredin Webb	Nicholas Lisa Ed	MSE Chemistry MEM	Augmenting the Materials Genome with a New Understanding of Amorphous Solids
2020	Fredin Young Landskron	Lisa Liz Kai	Chemistry	A Path to New Crystalline, Covalent, Ferrocenic Frameworks: Synthesize, Evaluate, Design
2020	Watanabe Vermaak Misiolak	Masashi Natasha Wojtek	MSE MEM MSE	Experimental and theoretical studies of Aluminum sheet-bonding with enhanced oxide layers for solid-state recycling
2020	Venkatasubramaniam Wen	Parv Wujie	ECE	Privacy Implications of Hardware Functionality in Deep Learning
2019	DuPaul Chuah Kern Vallera Garrigan	George Mooi Choo Lee Farah Scott	School Psychology CSE Special Education TLT TLT	Immersive Virtual Reality to Support Effective Intervention for Individuals with Disabilities: Promoting Maintenance and Generalization
2019	Biaggio Chen	Ivan Mark	Physics Chemistry	Towards single crystal organic semiconductors by design: covalent bonding between open shell molecules
2019	Naito Oztekin Tuzla Neti Quiel Suleiman	Clay Al Kemal Sudhakar Spencer Muhannad	CEE MEM ChemE MEM CEE CEE	Thermal Storage of Sensible Heat Using Concrete for Solar and Fossil Power Plant Applications
2019	Marsh Bocchini Casagrande Davison Lamadrid Packer Sause	Jessecae Paolo David Brian Alberto Dominic Richard	Psychology CEE Soc&Anth CSE Economics Psychology CEE	Perceptions Shaping Reality in Disaster Recovery
2019	Rangarajan Wachs Baltrusaitis	Srinivas Israel Jonas	ChemE ChemE ChemE	Enabling and harnessing an active data-driven strategy for mechanistic understanding of catalytic systems

2018	Brown Wittenberg	Angela Nathan	ChemE Chemistry	Nanoarrays for High-Throughput Analysis of Individual Outer Membrane Vesicles
2018	Munoz-Avila Kishore Pakzad Snyder Lamadrid	Hector Shalinee Shamim Larry Alberto	CSE ECE CEE ISE Economics	Adaptive Platforms for Electric Public Transportation Systems in Smart Communities
2018	Thevenin Pires	Damien Marcos	Chemistry	Re-engaging the Immune System to Attack Tumor Cells
2018	Schultz Gilchrist Cheng	Kelly Jim Xuanhong	ChemE ChemE BioE	Thermophoresis in non-Newtonian fluids for bioseparations
2017	Guo Berdichevsky Yan	Xiaochen Yevgeny Zhiyuan	ECE	Engineering Living Neurons for Bio-Machine Learning
2017	Woodhouse Brandone	Susan Amanda	Ed & Human Services Psychology	Pilot Testing a Home Visiting Version of the Circle of Security-Parenting (COS-P) Intervention with Parents of Preschool Children
2017	Vermaak Quiel Naito	Natasha Spencer Clay	MEM CEE CEE	Performance of Fire-Exposed Concrete Elements with High-Strength Reinforcement
2017	Rangarajan Mittal Snyder	Srinivas Jeetain Mark	ChemE	Cultivating an on-campus materials genome initiative: Towards a computational-experimental framework for designing porous covalently linked extended frameworks
2017	Davison Heflin Jia	Brian Jeff Haiyan	CSE CSE Journalism	Dataset Discovery, Access, and Retrieval for Cross-Disciplinary Research
2017	Ochs DiMaggio Moskowitz Packer	Holona Anthony Gordon Dominic	Political Science Political Science Psychology Psychology	Democratic Policing: Bias Reduction and Police-Public Interactions
2017	Iovine Lowe-Krentz	Kathy Linda	Biological Sciences	Modulation of blood vessel outgrowth by the heparin receptor during zebrafish development
2016	Dailey Chow	Hannah Lesley	MEM MSE	Design of 3D-Printed Biodegradable Scaffolds for Functional Osteochondral Tissue Regeneration
2016	Burke Alang Austin Lechuga Napper	Chris Sirry Kelly Julia Lucy	Psychology Sociology & Anthro Sociology & Anthro Ed & Human Services Psychology	A Community-Based Participatory Health Needs Assessment in South Bethlehem
2016	Guo V.	Xiaochen Parv	ECE	Efficient Security for Non-Volatile Memories
2016	Vinci Jaeger Webb Kundu	Rick Heather Ed Animesh	MSE Chemistry MEM CAMN	Building the Materials Genome for One-Dimensional Oxide Nanomaterials
2016	Hojnoski Spear	Robin Michael	Ed & Human Services CSE	Building Technology to Understand and Support STEM Skills in Young Children

2015	Jaworski Moored	Justin Keith	MEM	Development of a Unified Fast Computational Framework for Fluid-Structure Interactions and Noise Generation of Biologically-Inspired Flexible Wings
2015	Dierolf Tansu	Volkmar Nelson	Physics ECE	A novel approach for monolithic integration of the red color for solid state lighting and color displays
2015	Bocchini Buceta	Paolo Javier	CEE ChemE	Functional Quantization of Ebola Zoonotic Spreading: A Kernel for the Establishment of a Research Thrust on Stochastic Computation and Random Functions (SCaRF) at Lehigh
2015	Rotkin Jedlicka Voloshin	Slava Sabrina Arkady	Physics MSE MEM	New approaches in continuum mechanosensing of cells
2015	Jellison Jedlicka	Kristen Sabrina	CEE MSE	Engineering new tools for prevention of waterborne disease: Waterway deployed devices for Cryptosporidium detection
2014	Manz Chuah Lopresti Sawyer Woodhouse	Patricia Mooi Choo Daniel Brook Susan	School Psych CSE CSE TLT Counseling Psych	Multidisciplinary & Community Partnership to Develop a Mobile Application for Enhancing the Provision of Early Intervention to Young Children Who Experience Poverty
2014	Spletzer Grenestedt	John Joachim	CSE MEM	An Autonomous Test-Bed for Collaborative Research with Team sof Unmanned Surface Vehicles (USVs)
2014	Tan Venkitasubramaniam	Gang Parv	CSE ECE	Quantitative Information Flow for Security and Privacy in Software Systems
2014	Zhou Tansu	Chao Nelson	ECE	Integrated photonics for space-division multiplexing optical coherence tomography (SDM-OCT)
2013	Haas Berdichevsky	Julie Yevgeny	Biological Sciences ECE	Electrical Synapses and Epilepsy in a Slice Culture System
2013	Casagrande Hyclak Austin Rutzmoser Friedman Ramage Wurth Bodzin	David Thomas Kelly Scott Sharon Joan Al Alec	Sociology & Anthro Economics Sociology & Anthro LTS Journalism & Comm EES Political Science TLT	Impacts of Marcellus Shale Gas Development on Quality of Life in Pennsylvania
2013	Cheng Berger Hwang	Xuanhong Bryan James	MSE ChemE ECE	Point-of-Need Electrical Identification of Biological Cells
2013	Meltzer Friedman Littau Pazzaglia Ricles Sause	Anne Sharon Jeremy Frank James Richard	EES Journalism & Comm Journalism & Comm EES CEE CEE	Cities in the Fall Zone: Earthquake Hazard, Vulnerability, and Resiliency in the U.S. Mid-Atlantic Region
2013	SenGupta Watkins Tannenbaum Orrs	Arup Todd Nicola Mark	CEE Economics Anthropology CEE	Synergy at Water Interface: Integrating Social Entrepreneurship, Technology Innovation, Employment Generation and Behavior Change

2012	Biaggio Vezenov	Ivan Dmitri	Physics Chemistry	Polar Self-Assembly for Ultrafast Electro-Optic Modulation on the Silicon Photonics Platform
2012	Jedlicka Ou-Yang Vavylonis	Sabrina Daniel Dimitrios	MSE Physics Physics	Novel Mechanisms to Control Neuronal Phenotype: Targeting Degenerative Diseases
2012	McIntosh Berger Kiely	Steve Bryan Chris	ChemE ChemE MSE	Scalable, Environmentally Benign Synthesis of Enzyme-Quantum Dot Hybrid Photocatalysts for Liquid Fuel Production
2012	O'Seaghdha Munoz-Avila Hupbach	Padraig Hector Almut	Psychology CSE Psychology	Identifying Stable and Dynamic Representations of Meaning through Computational, Behavioral, and Brain Imaging Triangulation