

<u>Last</u>	<u>First</u>	<u>Research Category</u>	<u>Title of Project</u>	<u>Faculty Mentor</u>	<u>Faculty Mentor Department</u>
Arafat	Nour	Engineering	Combined OCT Image and AB Plaques Image for a more Reliable Alzheimer's Disease Diagnosis	Mohammad Avanaki	Biomedical Engineering
Barrera	Alexis	Arts & Humanities	The sense in the theatre: Making a Connection between the Body and the Art	Mary Anderson	Theatre and Dance
Bely	Nicholas	Engineering	DVD Pickup Head-Based Optical Resolution Photoacoustic Microscopy for High Resolution Mouse Brain Imaging	Mohammadreza Nasirivanaki	Biomedical Engineering
Berlin-Allaire	Rachel	Engineering	Experimental Determination of Flow Constants for Diesel Injection Processes Using a Constant Volume Approach	Marcis Jansons	Mechanical Engineering
Betterly	Madeline	Engineering	Using Functional correctivity with Optical Intrinsic Signal Imaging to Study Parkinson's Disease in the mouse Brain	Mohammadreza Nasirivanaki	Biomedical Engineering
Butler	Neoshua	Behavioral & Social Sciences	An analysis of the college tuition waiver for foster care youth	Angelique Day	Social Work
Camilleri	Andrew	Life Sciences	Impacts of the Invasive Zebra Mussel (Dreissena Polymorpha) on Stream Benthic Communities	Donna Kashian	Biology
Doucet	Brendan	Physical Sciences	Piercing the Canopy: Using reflective lasers to archeologically survey the jungles of Monsterrat	Krysta Ryzewski	Anthropology
Faddol	Katherine	Arts & Humanities	Fusion of Modern Western Opera Competition and Arabic Musical Traditions	Jon Anderson	Music
Fischer	Joshua	Physical Sciences	Fundamental Studies of a Novel Ionization Process for use in Mass Spectrometry: A case study of Polyethylene glycoll architectures	Sarah Trimpin	Chemistry
Gatti	David	Engineering	Testing and Calibration of Piezo Diesel Injectors to Improve Engine Efficiency	Marcis Jansons	Mechanical Engineering
Goletz	Jessica	Behavioral & Social Sciences	The Developing Parent-Infant Relationship: Understanding the Effects of Pregnancy Intendedness on Prenatal Parental Bonding	Carolyn Dayton	Social Work
Isopi	Dominic	Engineering	Three-dimensional Wavelet Fractal OCT Image Compression	Mohammad Avanaki	Biomedical Engineering
Klovski	Danielle	Behavioral & Social Sciences	Officer of the Year: Is it a Numbers Game?	Charles Klahm	Criminal Justice
Kostecki	Anthony	Behavioral & Social Sciences	Linguistic Inquiry of Formula 1 Race Car Drivers	Annmarie Cano	Psychology
Lumaj	Ciara	Behavioral & Social Sciences	Medical Pluralism in Ecuador	Barry Lyons	Anthropology
Lumetta	Danielle	Behavioral & Social Sciences	Enclosure Acts and Norfolk's Agricultural Progress from 1750-1850	Eric Ash	History
Mazeh	Hanan	Engineering	Using Functional correctivity with Optical Intrinsic Signal Imaging to Study Parkinson's Disease in the mouse Brain	Mohammadreza Nasirivanaki	Biomedical Engineering
Mazumder	Samia	Life Sciences	The Effect of Cysteine Protease Inhibitors on Photodynamic Therapy of Breast Cancer Cells"	Bonnie Sloane	Pharmacology

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Mills	Devin	Physical Sciences	Synthesis, Characterization, and Application of Lanthanide Containing DOTMA Complexes	Matthew J. Allen	Chemistry
Mirza	Hamad	Engineering	Polyamidoamine Dendrimer as a Platform to Deliver siRNA for Lung Cancer Treatment	Sandro da Rocha	Chemical Engineering
Molla	Ashura	Engineering	Pressurized Metered-Dose Inhaler Formulations of Polyamidoamine/siRNA Dendriplexes for Lung Cancer Treatment	Sandro da Rocha	Chemical Engineering
Nerusu	Lakshmi	Life Sciences	Regulation of Maternal Fetal Mucosal Immunity by HEXIM1 and Extrathymic AIRE in Pregnancy	Kang Chen	Obstetrics and Gynecology
Patel	Bijal	Engineering	Using Functional correctivity with Optical Intrinsic Signal Imaging to Study Parkinson's Disease in the mouse Brain	Mohammadreza Nasirivanaki	Biomedical Engineering
Robertson	Derek	Arts & Humanities	Dissent in Restoration England: the Political and Social Status of an Outlawed Minority	Eric Ash	History
Safadi	Ronda	Engineering	Creating an Effective Electric Eel Display for the Belle Isle Aquarium	Jeffrey Ram	Physiology
Sanchez	Mariela	Behavioral & Social Sciences	Linguistic Inquiry of Formula 1 Race Car Drivers	Annmarie Cano	Psychology
Sattar	Farah	Life Sciences	Making connections between niche tropism of strains of Candida albicans to their genotypes and in vitro phenotypes	Robert Akins	Biochemistry and Molecular Biology
Shaik	Aftab	Life Sciences	Using RNA Interference to Identify Signaling Elements Associated with the Frazzled Protein	Mark VanBerkum	Biological Sciences
Suryadevara	Raviteja	Life Sciences	Immune Cell Infiltration in the Brain following Intermittent Alcohol Exposure	Prahlad Parajuli	Neurosurgery
Svytka	Solomiya	Life Sciences	Expression of Fetal Proteins from Overexpressed Transcripts	Randall Armant	Obstetrics and Gynecology
Syed	Suha	Life Sciences	Indentification of pivotal species in the progression from a healthy vaginal microbiome to bacterial vaginosis and back again	Robert Akins	Biochemistry and Molecular Biology
Taylor	Jacob	Engineering	Efficient Algorithms for the Maximum Subarray Problem and their Applications in Big Data Analytics and Genomics	Daniel Grosu	Computer Science
Trescott	Wesley	Engineering	Engineering the Eclipse Runtime Perspective for Code Exploration and Program Comprehension	Marwan Abi-Antoun	Computer Science
Vargo	Michael	Arts & Humanities	Empathy Across the Career of Physician Training: A Qualitative and Quantitative study of Premedical students, Medical students, and Physicians	Todd Meyers	Anthropology
Young	Jill	Behavioral & Social Sciences	Re-socialization of single-housed male rats after breeding	Susanne Brummelte	Psychology
Zissiz	Athena	Physical Sciences	Piercing the Canopy: Using reflective lasers to archeologically survey the jungles of Monsterrat	Krysta Ryzewski	Anthropology