

Winter 2013 Undergraduate Research and Creative Project Awardees

<u>Last Name</u>	<u>First Name</u>	<u>Category:</u>	<u>Project Title</u>	<u>Faculty Mentor</u>
Ahmed	Alia	Life Sciences	Inhibition of TAK-1 leads to deregulated expression of miRNA-10 and unregulated expression of miRNA-143 in pancreatic cancer	Fazlul Sarkar
Akram	Ahsan	Life Sciences	Automated Assessment of Microscopic Organisms in Environmental Samples Using Fluorescein Diacetate	Jeffrey Ram
Ali	Sidra	Behavioral and Social Sciences	Exploring Creativity - Developing the Ideal Orphanage	Saeed Khan
Alluri	Nishanth	Behavioral and Social Sciences	Gorovodu Medicine Among the Ewes of Ghana	Eric J. Montgomery
Arzola	Samantha	Behavioral and Social Sciences	Research of Underrepresented Nonindigenous Minorities in Colombia	Timothy Carter
Bhuiyan	Shapnil	Life Sciences	Development of a Fluorescence-Based Assay for RNA Ligand Discovery	Christine Chow
Chaudhry	Faisal	Behavioral and Social Sciences	Lipid Mediators in Term and Preterm Neonates	Beena Sood
Daoud	Sarah	Life Sciences	Hyperglycemia-induced changes in Mitochondrial Membrane Polarization State and Reactive Oxygen Species Levels in Endothelial Cells	Mahendra Kavdia
Eapen	Ajay	Life Sciences	MEMRI Analysis of Neurofunctional Alteration due to Psychostimulant Use in Mice	Alana Conti
Ferriby	Sarah	Behavioral and Social Sciences	Miscarriages of Justice in Detroit: An Evaluation of Detroit Crime Lab Inmate Screening Questionnaires collected by the State Appellate Defender Office	Marvin Zalman
Fischer	Joshua	Physical Sciences	Synthesis of a new chiral precatalyst for the Mukaiyama aldol reaction	Matthew J. Allen
Foster	Katelyn	Arts and Humanities	Discovering Russian Theatre Innovations: Dmitry Krymov's Performance Theatre	Mary Elizabeth Anderson
Fragoso	Zachary L.	Behavioral and Social Sciences	Promoting Engagement and Mitigating Burnout: Autonomy, Mastery, and Purpose in EMS	Alyssa McGonagle
Gastineau	Robert	Physical Sciences	Dislocation Dynamics in Non-Equilibrium Material Systems of Hexagonal Symmetry	ZhiFeng Huang
Ghazi	Fariha	Life Sciences	Electron Tomographic Analysis of the Lipid Droplet-Mitochondrial Interface in Cardiomyocytes	James G. Granneman
Howell	Anastasia	Behavioral and Social Sciences	Research of Underrepresented Nonindigenous Minorities in Colombia	Timothy Carter

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Jenkins	Dovie A.	Behavioral and Social Sciences	Here There Be Monsters: Exploring the Myth of Modern Horror Movie	Stephen Chrisomalis
Kalogerakos	John	Arts and Humanities	Tao Te Ching To Toe Chin: An Investigation Into Combining Text and Image	Jim Nawara
Miller	Chelsea A.	Arts and Humanities	Chinese Women's Changing Urban Employment and its Relationship with Media in the Reform Period	Alexander F. Day
Noronha	Carol	Behavioral and Social Sciences	Functional Brain Networks in Childhood-Onset Schizophrenia: Investigating the Mediating Effects of Anti-Psychotic Medications and Brain Structure	Vaibhav Diwadkar
Oblak	Jacob	Life Sciences	Chemokine Receptor CXCR2 in Endothelial Progenitor Cell Functions	Chunying Li
Paul	George	Life Sciences	Development of a Fluorescent Sensors to Monitor Fatty Acid Trafficking in cells	James G. Granneman
Pfaff	Robert W.	Arts and Humanities	Benjamin Franklin: Diplomacy, Legacy and France	Janine Lanza
Sabal	Aaron	Life Sciences	Effect of Folate Restriction on mTOR Signaling Network and Aging	Ahmad Heydari
Sampathi	Bharat	Life Sciences	Does MKP-1 play a role in bone-fat connection?	Nabanita S. Datta
Sulkanen	Audrey	Physical Sciences	Are We Being Exposed To Too Much Heavy Metal?	Parastoo Hashemi
Thomas	Ken	Engineering	Cancer Detection Using Diffuse Optical Imaging	James R. Woodyard
Wadehra	Anshu	Life Sciences	Investigation of Magnetic Hyperthermia in Magnetic Nanocomposites	Ratna Naik
Waller	Adam	Physical Sciences	Designing New Ligand Architectures for Ruthenium Gaging Complexes	Jeremy Kodanko
Wildman	Jessica	Arts and Humanities	Restrictive Interior Paintings	Evan H. Larson-Voltz