

First Name	Last Name	Title of Project	Faculty Mentor	Department
Mamoon	Abdul	Magnetic property of Cerebral Microbleeds as a Biomarker for Predicting Dementia	Yu-Chung Norman Cheng	Radiology
Natasha	Ahuja	Nonsuicidal Self-Injury in WSU Students: Are There Associations with Resilience, Religion, and Positive Sense of Self?	Jeffrey Kuentzel	Psychology (CAPS)
Noah	Anderson	The Currency of Serial Music Composition in Baroque Frameworks: Creative Research on the Twelve-Tone Fugue	Jon Anderson	Music
Tyler	Attisha	Stimulus valence contextually modulates network profiles of the hippocampus and dIPFC in episodic memory: Assessing borderline personality disorders with co-morbid depression	Vaibhav Diwadkar	Psychiatry and Behavioral Neuroscience
Kerestin	Aziz	Valproate mediates its therapeutic effect in bipolar disorder through activation of AMPK in neural cells	Miriam Greenberg	Biological Sciences
Aleksandria	Bartosiewicz	Effects of Traumatic Brain Injury and Post-Injury Opioid Treatment on Neuroinflammation	Alana Conti	Neurosurgery
Cameran	Blackwell	A Gentleman's Love	Billicia Hines	Theatre and Dance
Alexandra	Breves	Development of a probiotic strategy and inventory of probiotic lactobacillus strains to treat recurrent vaginal candidiasis	Robert Akins	Biochemistry, Microbiology and Immunology
Ciondra	Brown	Words and Phrases: Highlighting the history and cultural relevance of African American Vernacular English (AAVE)	Judith Moldenhauer	Art and Art History
Dina	Charara	Resilience Narratives: Mental Health of Syrian Refugees in Metro Detroit	Jonathan Stillo	Anthropology
Siva	Chinthalapudi	Development of 3D printed electrode materials for Li-ion battery applications	Leela Arava	Mechanical Engineering
Kristina	Curtiss	The Health of Democracy -- Activism and Mental Health in Detroit	Ronald E. Brown	Political Science
Mohamed	Dabaja	The role of NFkB innate immune factors in maintaining Drosophila retinal integrity	Tiffany Cook	Molecular Medicine and Genetics
Jacob	Depper	The History of the Wolf in Brandenburg, 1990-2019	Lisabeth Hock	Classical & Modern Languages, Literatures and Cultures
Ahnas	Diarbakrli	Measuring an ensemble work of the molecular motors on an enzymatic vesicle	Takeshi Sakamoto	Physics and Astronomy
Kyle	Donahue	Allies 1st Kaput! - War, Trauma and Liberation in Stalag Luft 1	Aaron Retish	History
Sara	Ellias	New nano-mechanical approaches in cancer biology	Peter Hoffman	Physics and Astronomy
Eric	Ellis	HA-CNT Nanofibers with electrically triggered drug release for Enhanced Nerve Regeneration	Harini Sundararaghavan	Biomedical Engineering
Ali	Fakih	Financial Toxicity of Cancer Case Among Arab Americans in Metro-Detroit	Hayley Thompson	Oncology

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Charles	Gabrion	Design of an Osteochondral Plug from Microencapsulated Differentiated Mesenchymal Stem Cells	Howard Matthew	Chemical Engineering
Michelle	Gardner	Is Black English preventing Black Students' Academic Success at Michigan's Public Universities?	Stephen Chrisomalis	Anthropology
Marcella	Gatti	Electrochemical Gas Sensor using MEMS Technology	Yong Xu	Electrical and Computer Engineering
Daryna	Gopchenko	Development of Nickel doped transition metal dichalcogenides for Lithium sulfur batteries	Leela Arava	Mechanical Engineering
Jui	Gope	Elucidation of the Mechanism of Visual Stimulus Induced Freeze or Flight Response	Tomomi Ichinose	Ophthalmology, Visual, and Anatomical Sciences
Gabrielle	Gordon	In Search of a Bridge between Socioeconomic Stats and Cognitive Functioning	Noa Ofen	Psychology
Aleksandra	Gryko	Synthesis of Nanostructured Non-Precious Mixed Metal Electrocatalysts for Advancement of Energy Conversion Systems	Eranda Nikolla	Chemical Engineering and Materials Science
Kimera	Harris	Identification of Therapeutic Targets that Reduce Red Cell-Endothelial Interactions in Sickle Cell Disease	Jennell White-Jackson	Pharmacology
Francis	Hernandez	A Comprehensive Assessment of Fibrosis in Aortic Aneurysms of a New Humanized Marfan Mouse Model	Li Li	Internal Medicine
Matthew	Holben	Slice of Life	Judith Moldenhauer	Art and Art History
Sai	Kagithala	Synthesis of sulfur-containing cryptands for europium (II)	Matthew Allen	Chemistry
Dimitrios	Kakaris Porter	Waste to Resource: Coal Fly Ash Beneficiation	Timothy Dittrich	Civil and Environmental Engineering
Humza	Khan	A game-theoretic approach to wildlife management	Fernando Charro	Mathematics
Jia Yi	Koh	The role of G protein coupled receptor 35 in regulation of recovery from ischemia	Jiemei Wang	Pharmaceutical Science
Ranya	Krayem	Communication, Planning, and Self-care: Examining the gendered aspect of coping with work-family conflict	Krista Brumley	Sociology
Ci	Lee	Synthesis of Silica-Coated Nanoparticles BaFCl (core)/ SiO ₂ (shell) for Tissue and Intracellular Temperature Sensing	Federico Rabuffetti	Chemistry
Rob	Macaulay	Evolution and a Lion in London: A Consideration of Harriet Martineau's Role in Charles Darwin's Conception of Natural Selection	Marsha Richmond	History
Ryan	Mangulabnan	3D Bioprinting of Microvascular Hollow Fibers for Use in Tissue Engineering	Howard Matthew	Chemical Engineering
Raveena	Mata	Resilience Narratives: Mental Health of Syrian Refugees in Metro Detroit	Jonathan Stillo	Anthropology
Molly	McKeon	Discovery of a New Species of Hyalella (Amphipodai Hyalellidae) in Urban Detroit	Donna Kashian	Biological Sciences

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Thomas	Meram	How Obsessive-Compulsive Disorder symptom dimensions predict dorsal anterior cingulate cortex activity	Vaibhav A. Diwadkar	Psychiatry and Behavioral Neuroscience
Claudia	Miller	Cardiac Substructure Contour Propagation and Excursion in Respiration	Carri Glide-Hurst	Radiation Oncology
Nina	Neumann	Maspin Deficiency Induced Prostate Phenotypes in a Mouse Tumor Model	Shijie Sheng	Pathology and Oncology
Krishna	Patel	Fundamental Insights into Oxygen Electrocatalysis on Non-Stoichiometric Mixed Metal Oxides for Regenerative Fuel Cells and Metal-Air Batteries	Eranda Nikolla	Chemical Engineering
Rebecca	Phoenix	The unusual six: A case study of the six Horner sisters and their role in scientific networking in Victorian Era scientific discourse	Eric Ash	History
Alejandro	Ponce-Sepulveda	Detection of inflammation during aneurysm formation in a New Marfan aneurysm mouse model	Li Li	Internal Medicine
Stephanie	Price-Cummings	Crude Oil Price Fluctuations: A Forty Year Examination	Liang Hu	Economics
Muhammad	Qureshi	Dopathiazines, A New Class of Dopamine Derivatives, May Cause Oxidative Stress and Manganism	David Njus	Biological Sciences
Rebecca	Schultz	Changes in the Gut Microbiome Following Stress Exposure in a Mouse Model of Post-Traumatic Stress Disorder (PTSD)	Alana Conti	Neurosurgery
Grace	Sexton	Intelligent Suspension Systems of Autonomous Vehicles with Incorporation of Environmental Perception	Chin-an Tan	Mechanical Engineering
Tanyeem	Shaik	Photoacoustic Thermometry during Endogenous Laser Ablation Procedures: Calibration Studies	Mohammad Mehrmohammadi	Biomedical Engineering
Lloyd	Simpson	Black Labor History: AFCSME Council 77	David Goldberg	African American Studies
Molly	Straight	Coronary Stent effects on increased proteoglycan production to induce intimal hyperplasia	Mai Lam	Biomedical Engineering
Aaminah	Tabassum	Exploring the psychological consequences of overseas evacuation on British children during World War II	Kevin Deegan-Krause	Political Science
Gokturk	Tepe	Targeting folate receptor expressing triple negative breast cancer cells with IgA Fc-folate conjugates	Cecilia Speyer	Department of Surgery
Urvashi	Thongam	Characterization of Transmembrane Integrin Protein VLA-4: a Novel Approach for the Advancement in Treatment Developments for Sickle Cell Disease	Jennell White	Pharmacology
Andrew	Touma	Development of an economical data acquisition system for a low-cost photo-acoustic probe for measurement of skin layer thickness	Kamran Avanaki	Biomedical Engineering
Mary	Whitfield	Toward Understanding Sources of VOCs with the Use of Water Isotope Analysis	Shirley Papuga	Geology

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Jazmine	Williams	Breaking the Mold: An Exploration of Stability and Balance	Jessika Edgar	Art and Art History
Alexander	Woznicki	Investigation of the Synergistic Nature of Traumatic Brain Injury and Opioid Exposure on Generation of Reactive Oxygen Species	Alana Conti	Neurosurgery
Emily	Yatooma	Synthesis of Chemically Pure and Water-Dispersible NaYb(MoO ₄) Nanoparticles for Temperature Biosensing	Federico Rabuffetti	Chemistry