

Spring/Summer-Fall 2024 Students Offered UROP Funding

First name	Last name	Project Title	Faculty Mentor Name	Faculty Mentor Department
Jakira	Ahmed	Women Taking Up Space: Separate Sphere Ideology in the Art of Helen McNicoll	Jennifer Olmsted	Art, Art History, and Design
Valerie	Akrawi	Protein Based Lanthanide Capture from Coal Fly Ash	Jeremy Kodanko	Chemistry
Nowar	Alashkar	Quantum Encoding Schemes for N-ary Classifications	Alex Matos Abiague	Physics and Astronomy
Hadees	Amin	Conflict and Resolution: The Case of Gilgit-Baltistan	Nadejda Marinova	Political Science
Daniel	Bagryantsev	An Analysis of Swiss Transportation Infrastructure	Steven Lavrenz	Civil Engineering
Matthew	Baube	Crossroads: Labor, Masculinity, and Blackness in the Origins of Blues & Jazz	Kidada Williams	History
Paolo	Belleza	Certainty-uncertainty in perception, reaction & action: Higher order functional connectivity in OCD	Vaibhav Diwadkar	Psychiatry and Behavioral Neurosciences
Liam	Berigan	The Language of Flowers: A Lexiculture Project	Stephen Chrisomalis	Anthropology
Sumer	Chaudhry	Maternal Health and Climate Change through the Lens of Infrastructural Violence: A Literature Review	Jonathan Stillo	Anthropology
Zachary	Chbihi	Targeting ODC1 in the Polyamine Pathway: DFMO as a Therapeutic Strategy to Mitigate Alpha-Synuclein Pathogenicity	Wei-Ling Tsou	Pharmacology
Grace	Denno	The top 50 leaders in sport and exercise psychology and their perceptions of teaching, service and research.	Jeffrey Martin	Kinesiology, Health and Sport Studies
Jason	Fahmy	CRISPR analysis of obesity-related cancer proteins in a model of food desert populations.	Charlie Fehl	Chemistry
Hira	Farooq	Development of a Covalent Peptide Inhibitor of VISTA using Sulfonyl Fluoride Exchange (SuFEx)	Andrew Lipchik	Pharmaceutical Sciences
Minha	Gil	Investigating the directional flow of information in the cerebral cortex using Wiener-Granger Causality Analysis: An investigation in OCD youth and healthy controls	Vaibhav Diwadkar	Psychiatry and Behavioral Neurosciences
Amina	Haq	Examining biomarker PD-L1 expression in endometrial tumors during obesity	Michael Wilson	Oncology
Usman	Haq	Treatment of a Mouse Model of Pelizaeus Mezbacher Disease with Adeno-Associated Virus	Alexander Gow	Center for Molecular Medicine and Genetics
Autumn	Jackson-Butler	Modelling Dentatorubral-pallidoluysian Atrophy in Drosophila melanogaster	Sokol Todi	Pharmacology
Ajdina	Krivdic	Exploring Power Sharing Mechanisms in Bosnia and Herzegovina: A Comparative Analysis and Policy Implications	Brad Roth	Political Science
Gregory	Lomason	Enhancing Personalized Fitness Programs Through Specialized GPTs	Patrick Mason	Kinesiology Health and Sports Science
Rajesh Kumar	Madhavan	Optimizing Catheter Design for Enhanced Performance: A study on the Effects of Architectural Modifications and Biological Implications	Carolyn Harris	Chemical Engineering and Materials Science

Spring/Summer-Fall 2024 Students Offered UROP Funding

First name	Last name	Project Title	Faculty Mentor Name	Faculty Mentor Department
Liv	Masters	The Effects of Anthropogenic Volatile Organic Compounds (aVOCs) on Insects Pollinating Crops at Urban Gardens in Detroit	Glen Hood	Biological Sciences
Madison	McClain	An investigation into the Role of Sub2 in transcription in budding yeast	Athar Ansari	Biological Science
Zyad	Metoui	Modeling Flame Propagation of Fuel and Air Mixture Inside a Constant Volume Chamber	Omid Samimi Abianeh	Mechanical Engineering
Hayat	Nachar	Targeting acetaldehyde dehydrogenase with repurposed antifungal agents	Robert Akins	Biochemistry, Microbiology, and Immunology
Justin	Nelson	Development of a Microfluidics-based Mucus Model	Ashis Mukhopadhyay	Physics and Astronomy
Yash	Patel	Development of Biocompatible Polymer Coacervate Adsorbents for Rapid and Efficient PFAS Extraction for Water Treatment	Yingxi Elaine Zhu	Chemical Engineering
Mila	Puccini	The Effect of On-Campus Art and Art Events on the Student's Sense of Belonging and Perceived Campus Identity	Jeff Horner	Urban Studies and Planning
Brianna	Quallich	The Effects of Anthropogenic Volatile Organic Compounds (aVOCs) on Insects Pollinating Crops at Urban Gardens in Detroit	Glen Hood	Biological Sciences
Brandi	Schmitz	A Cross-Cultural Analysis of Product Label Colors	Juan Rodriguez	Department of Art, Art History, and Design
Emma	Stamp	The Impact of Social Media to Encourage Community Engagement in Nonprofit Initiatives Compared to Traditional Congregations and Canvassing Techniques	R. Brown	Sociology
Sadia	Sultana	College students' perspective on safety regarding campus shootings	Alaina DeBiasi	Criminology and Criminal Justice
Hadi	Syed	The Development of a Quantitative Evaluation of Smartphone Lens Distortion	Yang Zhao	Electrical and Computer Engineering
Michelle	Szewczuk	A Novel Analysis of Complex Posttraumatic Stress Disorder (C-PTSD) using Virtual Reality and Psychophysiological Techniques	Seth Norrholm	Psychiatry and Behavioral Neurosciences
Chloe	Valentine	Edward Bellamy, his Philosophy, and the "Nationalist Movement" 1887-1898	Hans Hummer	History
Kashvi	Vasudeva	Investigating the crosstalk between methionine and sphingolipid biosynthesis: The implications of aging	Hanaa Hariri	Biological Sciences
Sabrina	Walchak	Utilizing Heparin in MeHA Nanofibers for Peripheral Nerve Repair and Regeneration	Harini Sundararaghavan	Biomedical Engineering
Shanice	Weekes	On the Edge of Whiteness: The Evolution of Italians' Relationship with Whiteness	Elena Past	Classical & Modern Languages, Literatures and Cultures