

SECTION: 23
DATE:
June 20, 2024

BOARD OF REGENTS
EASTERN MICHIGAN UNIVERSITY

RECOMMENDATION

**FALL 2023, WINTER 2024 & SUMMER 2024 UNDERGRADUATE RESEARCH
STIMULUS PROGRAM AWARDS**

ACTION REQUESTED

It is recommended that the Board of Regents accept and place on file the Report on the Fall 2023, Winter 2024 and Summer 2024 Undergraduate Research Stimulus Program Awards.

STAFF SUMMARY

The Undergraduate Research Stimulus Program is intended to facilitate research partnerships between undergraduate students and Eastern Michigan University faculty. Student awardees will receive a \$2,200 fellowship in support of their research efforts, which will be paid in bi-weekly installments throughout the award period. This award will be in the form of a credit to the student's university account. The collaborating faculty member may receive \$600 to be used for lab/studio supplies or equipment, professional travel, or other professional expenses.

FALL 2023: The Provost and Executive Vice President of Academic and Student Affairs has awarded a total of \$19,800 to nine (9) undergraduate students and \$5,040 to nine (9) Eastern Michigan University faculty for Fall 2023 and research and creative projects under the Undergraduate Research Stimulus Program.

WINTER 2024: The Provost and Executive Vice President of Academic and Student Affairs has awarded a total of \$19,800 to nine (9) undergraduate students and \$5,100 to nine (9) Eastern Michigan University faculty for Winter 2024 and research and creative projects under the Undergraduate Research Stimulus Program.

SUMMER 2024: The Provost and Executive Vice President of Academic and Student Affairs has awarded a total of \$13,200 to seven (7) undergraduate students and \$3,000 to five (5) Eastern Michigan University faculty for Summer 2024 and research and creative projects under the Undergraduate Research Stimulus Program.

FISCAL IMPLICATIONS

The cost of Undergraduate Research Stimulus Program awards will be funded from the Provost's indirect cost recovery.

ADMINISTRATIVE RECOMMENDATION

The proposed Board action has been reviewed and is recommended for Board approval.

University Executive Officer
Rhonda Longworth, Ph.D.

5/30/2024

Date

Eastern Michigan University
Division of Academic and Student Affairs

**FALL 2023 UNDERGRADUATE RESEARCH
STIMULUS PROGRAM AWARDS**

1. **Rana Aabed** (majoring in Psychology). “An Ethnographic Study of Pet Therapy for Special Education Students: From Paws to Purpose.” Faculty mentor: John Palladino (Department of Special Education & Communication Sciences and Disorders).
2. **Talal Ali** (majoring in Neuroscience and Psychology). “How the Model Minority Myth Impacts Asian Americans’ Perceptions of African Americans.” Faculty mentor: Stephen Jefferson (Department of Psychology).
3. **Kai Garcia** (majoring in Environmental Science). “How do dams affect aquatic ecosystem metabolism in the Huron River?” Faculty mentor: Kristi Judd (Department of Biology).
4. **Hannah Goike** (majoring in Psychology). “Assessing College Students' Knowledge of Applied Behavior Analysis and Addressing.” Faculty mentor: Adam Briggs (Department of Psychology).
5. **Paige Hatfield** (majoring in Cellular and Molecular Biology). “Mutations and how they Change the Binding of UHRF2 to Histones.” Faculty mentor: Brittany Albaugh (Department of Biology).
6. **Garrett Herrington** (majoring in Health Administration). “Researching Referral and Usage Rates of Meal Service Programs Based on Disability.” Faculty mentor: Sarah Walsh (School of Health Sciences).
7. **Jesse John** (majoring in Psychology). “Does Dating Violence Victimization Against Cisgender Women and Sexual and Gender Minoritized Individuals Vary Based on the Context of the Relationship?” Faculty mentor: Elizabeth Neilson (Department of Psychology).
8. **Sasha Rollinson** (majoring in Biology). “Investigating mutations in the MITF gene as a cause for color loss in a reptile.” Faculty mentor: Hannah Seidel (Department of Biology).
9. **Lindsay Timbs** (majoring in Simulation, Animation, & Gaming). “Collaborative Animation.” Faculty mentor: Metaphor Brown (School of Art & Design).

Eastern Michigan University
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**WINTER 2024 UNDERGRADUATE RESEARCH
STIMULUS PROGRAM AWARDS**

1. **Sydney Davis** (majoring in Professional Geology). “Characterize Groundwater Flow and Recharge Rates in the Bog and Kettles at Fish Lake Environmental Educational Center.” Faculty mentor: Christopher Gellasch (Department of Geography & Geology).
2. **Cole DuVall** (majoring in Biology). “Proposal for genetic testing supplies for Ambystomatid unisexuals.” Faculty mentor: Katherine Greenwald (Department of Biology).
3. **Chas Higgins** (majoring in Chemistry). “Why Is a Diversity Statement Important? An Exploration Of How Students Are Impacted By Diversity, Equity, Inclusion, and Belonging Statements.” Faculty mentor: Amy Johnson (Department of Chemistry).
4. **Elizabeth Joffe** (majoring in Nursing). “Exploring Impacts of Student-Nurse Relationships: Views from Across the Curriculum.” Faculty mentor: Valerie Pauli (School of Nursing).
5. **Victoria Keeton** (majoring in Instrumental Music Education). “Experiences of Band Teachers Who Identify Outside the Gender Binary.” Faculty mentor: Heather Shouldice (School of Music & Dance).
6. **Matthew Lansdale** (majoring in Neuroscience). “Investigation of UHRF2 Binding in Competitive Drug Environments.” Faculty mentor: Brittany Albaugh (Department of Chemistry).
7. **Kaitlyn Slayton** (majoring in Mechanical Engineering). “Design of a Engine Coolant Heating System to Investigate Cold Start Emissions.” Faculty mentor: Andrew Mansfield (School of Engineering).
8. **Mars Ward** (majoring in TESOL). “University Student Mental Health Crisis with Faculty Support: Centering Students’ Perspectives.” Faculty mentor: Zuzana Tomas (Department of World Languages).
9. **Patricia Woghiren** (majoring in Biochemistry). “What amino acid residue is Responsible for the Interaction of Atg11 with its Autophagy Partners Atg9 and Atg1?” Faculty mentor: Steven Backues (Department of Chemistry).

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**SUMMER 2024 UNDERGRADUATE RESEARCH
STIMULUS PROGRAM AWARDS**

1. **Sonia Amoah** (majoring in Biology). “Evaluating the Repair of DNA at Broken Fragile Sites.” Faculty mentor: Anne Casper (Department of Biology).
2. **Naomi Barbour** (majoring in Political Science). “Human Capital: Understanding the Policy and Fiscal Implications of Prison Gerrymandering.” Faculty mentor: Barbara Patrick (Department of Political Science).
3. **Annalyse Brogan & Spencer Poscente** (majoring in Biology). “Environmental Characteristics Associated with Greater Burrow Densities and the Impact of Prey Availability on Activity Levels of Tarantulas (*Aphonopelma hentzi*).” Faculty mentor: Cara Shillington (Department of Biology).
4. **Nick Chittum** (majoring in Exercise Science). “Examining associations between healthy behaviors, psychological well-being, and demographic characteristics among college students.” Faculty mentor: Catherine Gammon (School of Health Promotion and Human Performance).
5. **Sabrina Jeylani** (majoring in Cellular and Molecular Biology). “Creation and analysis of a UHRF2 D328A mutant.” Faculty mentor: Brittany Albaugh (Department of Chemistry).
6. **Jacob Morgan** (majoring in Mechanical Engineering). “Continuing Technology Integration and Atmospheric Research During and in Between Solar Eclipses.” Faculty mentor: David Pawlowski (Department of Physics and Astronomy).