

BOARD OF REGENTS
EASTERN MICHIGAN UNIVERSITY

REPORT

REPORT: SUMMER 2015 UNDERGRADUATE RESEARCH STIMULUS PROGRAM AWARDS

ACTION REQUESTED

It is recommended that the Board of Regents accept and place on file the Report on the summer 2015 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 \$2,000 fellowship in support of their research efforts. This award will be in the form of a credit to the student's university account. The collaborating faculty member may receive \$500 to be used for lab/studio supplies or equipment, professional travel, or other professional expenses.

The Provost and Vice President has awarded a total of \$32,000 to sixteen (16) undergraduate students and \$7,500 to fifteen (15) Eastern Michigan University faculty for research and creative projects under the Undergraduate Research Stimulus Program for summer 2015.

FISCAL IMPLICATIONS

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

ADMINISTRATIVE RECOMMENDATION

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

University Executive Officer

Date

EASTERN MICHIGAN UNIVERSITY
Academic Affairs
Office of the Provost and Executive Vice President

Undergraduate Research Stimulus Program Award
Summer 2015 Winners

1. Elina Augastinioti (majoring in Dietetics-Intent). “Perception of Mediterranean diet and adherence in Greece and the United States.” Faculty mentor: Heather Hutchins-Wiese (School of Health Sciences).
2. Cristina Bugescu (majoring in Biology). “Passive Integrated Transponder (PIT) Tag Loss in Unisexual Ambystoma Salamander and Full Blues-potted (A. laterale) Salamander.” Faculty mentor: Katherine Greenwald (Department of Biology).
3. Nicole Bush (majoring in Biology). “Physiological Adaptations in Extreme Environments.” Faculty mentor: Jamie Cornelius (Department of Biology).
4. Andrew Durden (majoring in Professional Biochemistry & Mathematics). “Modeling the chemical synthesis of pyrrolidines.” Faculty mentor: Maria Milletti (Department of Chemistry).
5. Alaa Hasan (majoring in Anthropology). “Estimation age of menarche from an Early Medieval French skeletal sample from North France” Faculty mentor: Megan K. Moore (Department of Sociology, Anthropology & Criminology).
6. Hallee Kansman (majoring in Biology). “The effects of road salt inputs on the stratification and nutrient dynamics of inland lakes in Southeast Michigan.” Faculty mentor: Kristin Judd (Department of Biology).
7. Bridget Kennedy (majoring in Biochemistry). “Isolation of Yeast Mutants to Study the Role of Atg9 in Autophagy.” Faculty mentor: Steven Backues (Department of Chemistry).
8. Nathan Kilian (majoring in Biology & Chemistry). “Short Interspersed DNA Elements and their use as a Phylogenetic Marker among Peromyscus.” Faculty mentor: David Kass (Department of Biology).
9. Gannon LeBlanc (majoring in Economics). “The Influence Of Cryptocurrency On Entrepreneurship.” Faculty mentor: James Saunoris (Department of Economics).

10. Samantha Malley (majoring in Biology). "Tarantula Personalities: Effects of Age and Environmental Enrichment." Faculty mentor: Cara Shillington (Department of Biology).
11. Amy Markowitz (majoring in Biology). "Synthesis of Ethacrynic Acid Derivatives: Modifying the α,β -unsaturated Carbonyl System of Organic Drug Compounds for Use in Cancer Therapy." Faculty mentor: Ingo Janser (Department of Chemistry).
12. Michelle Newkirk (majoring in Engineering Physics). "Variability in Mars' atmosphere as observed by Mars Global Surveyor." Faculty mentor: David Pawlowski (Department of Physics & Astronomy).
13. Joshua Nickles (majoring in International Affairs). "Ixhil Maya Communities of Populations in Resistance in Guatemala." Faculty mentor: Maria Luz Garcia (Department of Sociology, Anthropology & Criminology).
14. Ahmed Oudief (majoring in General Chemistry/Biology). "Stereoselective Synthesis of Building Blocks of Pharmaceuticals and Organic Catalysts." Faculty mentor: Harriet Lindsay (Department of Chemistry).
15. Spencer Rynberg (majoring in Biology). "Neurophysiological Evidence of a Salt Substitute." Faculty mentor: Joseph Breza (Department of Psychology).
16. Robert Witting (majoring in Computer Science). "Multicopter Navigation Using Simultaneous Localization and Mapping" Faculty mentor: William Sverdlik (Department of Computer Scienc).