BOARD OF REGENTS
EASTERN MICHIGAN UNIVERSITY

REPORT

2023 SUMMER RESEARCH/CREATIVE ACTIVITY AWARDS

ACTION REQUESTED

It is recommended that the Board of Regents accept and place on file the Report on the 2023 Summer Research Awards.
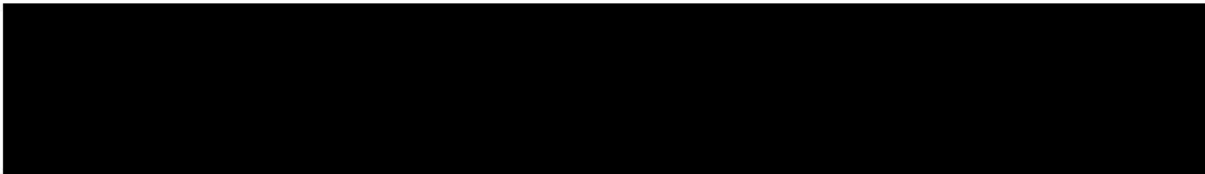
STAFF SUMMARY

The Summer Research/Creative Activity Award (SRA) is intended to encourage and support the research, creative, artistic, and scholarly endeavors of full-time tenured or tenure-track EMU faculty during the summer months (May-August) by providing stipends of $12,000 for outstanding proposals in lieu of summer teaching assignments. Faculty may apply in teams. Each team member is allowed to request a full award, but each benefiting member must submit a full electronic application.

FISCAL IMPLICATIONS

None. The cost of the fellowships is contained in the instructional budget.

ADMINISTRATIVE RECOMMENDATION

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

EASTERN MICHIGAN UNIVERSITY
2023 SUMMER RESEARCH AWARDS
April 20, 2023

1. Sadaf Ali (Communication, Media and Theatre Arts). "Meeting the Needs of BIPOC Students through Mentoring Initiatives."

2. Steven Backues, (Chemistry). "Finding the "Just-Right" Mutants to Crack the Case of Autophagosome Size and Number."

3. Brigid Beaubien, (Teacher Education). "A Collective Responsibility: Teaching to Sustain Democracy."

4. Hannah Blatchford, (Geography and Geology). "From Mineral Grain to Mountain Range: Novel Application of Trace Elements to Reconstruct the Exhumation History of Ultrahigh-Pressure Rocks from the Western Gneiss Region, Norway."

5. Leslie Blome, (Special Education and Communication Sciences and Disorders). "Dissemination of Dissertation Findings: Physician Assistants' Application of Autism Knowledge During Pediatric Clinical Rotations."

6. Adam Briggs, (Psychology). "Providing Comprehensive Solutions for Improving Caregiver Treatment Adherence: Updating an Assessment Tool and Piloting its Ability to Identify Implementation Barriers and Strategies for Improving Training and Support for Families."

7. Sarah Cox, (Special Education and Communication Sciences and Disorders). "Identification of Scientifically-Validated Instructional Strategies to Improve Fraction Knowledge for Students with Disabilities."

8. Omar Darwish, (Information Security and Applied Computing) "Security Software Tool to Uncover Language of Encrypted Leaked Data by Covert Timing Attacks Using Machine Learning."

9. Margaret Dobbins, (English Language and Literature). "Frustrated Feminism and the Old Familiar Story: Adaptations of Jane Eyre by Contemporary Women Writers of Color."

10. Brendan Fay, (Art & Design). "Lessons in Photography: A Book about American Photography, Abstraction and Photographic Education."

11. Xianghong Feng, (Sociology, Anthropology, and Criminology). "Data Collection through Ethnographic Fieldwork for A New Research: Social Change and Ritual Life in South China."

12. Bilquis Ferdousi, (Information Security and Applied Computing). "Using Technology in Formative and Summative Assessment in Active Learning."

13. Michael Foster, (World Languages). "Researching Effective Approaches to Bilingual Education in Canada."

14. Catherine Gammon, (Health Promotion and Human Performance). "Exploring the Relationship Between Physical Activity and Mental Health Among College Students."

15. Naomi Hashimoto, (Special Education and Communication Sciences and Disorders). "How Phonological Cues Help Naming Abilities in People with Aphasia."

16. Jarrod Irwin, (University Library). "Checking Out: A Preliminary Study of Library Programs About End-of-Life Issues."

17. Dejuana Jackson, (Nursing). "Exploring Factors Associated with Low Self-efficacy with Prescribing in Nurse Practitioner Students."

18. Raed Jarrah, (Visual and Built Environments). "Optimal Question Bank Size in Construction Management Evaluations."

19. Brandon Johnson, (Music and Dance). "Concert and Recording Project for New Professional Ensemble based in Ypsilanti."

20. Andrii Kashliev, (Computer Science). "Storing and Querying Social Media Data in Big Data Databases."

21. Matthew Kautz, (Leadership and Counseling). "Punishing Promise: School Discipline and Carceral Expansion during the Era of Desegregation."

22. Tareq Khan, (Engineering). "A Smart Fire Detector with Extinguisher Class Recommendation using Deep Learning."

23. Matthew Kirkpatrick, (English Language and Literature). "Chapter and Book Proposal for Creative Writing: A Process-based Approach."

24. Michael Koscielniak, (Geography and Geology). "Supplies of Decline: Brick Salvage and Neighborhood change in St. Louis, MO."

25. You Li, (Communication, Media, and Theatre Arts). "Documenting History: Recording and Understanding the Collective Memory of Women Journalists Who Covered the COVID-19 Pandemic Around the World."

26. Dyann Logwood, (Women's and Gender Studies). "Meeting the Needs of BIPOC Students through Mentoring Initiatives."

27. Dustin London, (Art and Design). "Japanese Stone Gardens and the Construction of Pictorial Space."

28. Sheila Longpré, (Health Sciences). "The Unique Needs of Adolescent and Young Adult Cancer Survivors."

29. Elizabeth Loomis, (Nursing). "Utilizing Immersive Virtual Reality to Assess New Graduate Nurse Practitioners Comfort Level with Prescribing Practices."

30. Amanda Maher, (History and Philosophy). "A Collective Responsibility: Teaching to Sustain Democracy."

31. Katherine Mason, (University Library). "Does Our Collection Reflect Our Community? Assessing Diversity in Academic Library Collections."

32. John McCurdy, (History and Philosophy). "Ypsilanti Histories: A Look Back at the Last Fifty Years."

33. Lon Mitchell, (Mathematics and Statistics). "Mathematics by Analogy."

34. MeeAe Nam, (Music and Dance). "Preparing Vocal Pedagogy Articles for Publication."

35. Elizabeth Neilson, (Psychology). "Preliminary Development of an Alcohol- and Sexual Health-Focused Sexual Assault Intervention."

36. Cierra Presberry, (Leadership and Counseling). "School Leaders and Restorative Justice."

37. Jenni Putz, (Economics). "Frac Sand Mining in the Midwest: Impacts on Public Health."

38. Rachel Radina, (Leadership and Counseling). "Understanding the Challenges of Educational Leaders in a "Post" COVID World."

39. Micheal Reedy, (Art and Design). "Dust and Shadow in the Age of the Digital Cadaver."

40. Joel Schoenhals, (Music and Dance). "Unbroken: Recording the Piano Works of Navajo Composer Conner Chee."

41. Rita Shah, (Sociology, Anthropology, and Criminology). "Embodying Human Rights principles: Phase II."

42. Zuzana Tomas, (World Languages). "Examining the Value of Virtual Exchanges in Teacher Education Programs."

43. Shu Wang, (Political Science). "Impact of Wind Energy Use on Local Tax Base in Michigan."

44. Chuyang Yang, (Technology and Professional Services Management). "An Innovative Data-Driven Technology to Investigate Aircraft Noise Effects at the U.S. Airports."