

Office of Research Development and Administration
Award Report, October, November, December, 2018
\$2,438,783

Kristine Ajrouch, Sociology, Anthropology and Criminology
Michigan Health Endowment Fund (\$370,703)

A Family-Centered Approach to Dementia Caregiving in Cultural Context (A19-0029-001): This initiative will advance knowledge and practice around critical needs in Alzheimer's Disease and Related Dementias (ADRD) caregiving by breaking new ground in terms of explicitly focusing on family systems as part of a caregiver support intervention. Further, we aim to maximize health and quality of life within the large and growing Arab-American community in Michigan through cultural/linguistic adaptations of evidence-based caregiver education and support strategies. Identifying successful and challenging elements of the adapted intervention will enable us to create a finalized version of a program tool kit, which will set the stage for full-scale broader implementation in underserved diverse populations.

Jessica Alexander, EMU Engage

Community Mental Health Partnership of Southeast Michigan (\$73,647)
Prevention Theatre Collective 2019 (A17-0036-002): Prevention Theatre Collective (PTC) focuses on a theatre-based peer-to-peer outreach program in order to shift attitudes and behaviors concerning drugs and alcohol use, subsequently improving the overall health and wellness of Washtenaw County area high schools and the surrounding community. PTC teaches & uses interactive theatre techniques as a tool to cultivate a culture of awareness in and around the relationship between mental health and substance use/abuse. PTC has ensembles at Ypsilanti Community Schools, Skyline High School and Community High School; where we partner with the school's assigned counselor, preventionist/interventionist, social workers, health education and/or theatre teacher.

Ypsilanti Housing Commission (\$35,000)

Family Empowerment Program YHC Resolution 2018-2021 (A19-0027-001): The Family Empowerment Program (FEP) is the Ypsilanti Housing Commission's primary supportive services program for its residents. FEP's service model is flexible in order to best address the needs a vulnerable individual may have: housing, food assistance, child care, transportation, access to health and dental care, all using the tools of self-empowerment, self-reliance, and agency with the support and coaching of the FEP staff. This person-centered approach to case management allows staff to become familiar with each individual in the FEP, ensuring that programming and available services meet the needs of the individual as well as those of the southern side of Ypsilanti as a whole.

Nancy Bryk, Geography and Geology

Michigan Department of Natural Resources (\$14,222)

Internship at the Michigan Historical Center's Historical Marker Program, October 2018 - September 2019 (Year 4 of 5, A19-0043-005): The Michigan Historical Center will provide funding for one Graduate Research Assistant (RA) for a five-year period for an EMU Historic Preservation Student to work with the Center on the Michigan Historical

Marker Program. The Eastern Michigan University Historic Preservation Program (EMU-HPP) Director will mentor the RA.

Elise Buggs, Academic Partnerships

College Day Appropriation (\$93,275)

College Day (A16-0070-004): The MI GEAR UP Program partners with Michigan's 15 public universities, and valuable external community partners to provide early intervention services and a scholarship component for low-income students. The MI GEAR UP program serves a cohort of students, beginning in the seventh grade and follows them through the first year of college. The College Day Program mission is to provide an opportunity for underrepresented students to discover, first hand, the potential of a college education and to expose students to the information, knowledge and skills they need to prepare themselves adequately for college entry and success. EMU's College Day Appropriation is directed to support the MI GEAR UP program.

Matthew Cook, Geography and Geology

Ford Community Corps (\$7,500)

Academic Service-Learning project with Habitat for Humanity of Huron Valley (A19-0020-001): This grant provides funds for Fall 2018 GHPR 335 Historic Preservation students to participate in an Academic Service-Learning experience with Habitat for Humanity of Huron Valley. Students will learn hands-on preservation skills while working in a Habitat build in Ypsilanti Township.

Lolita Cummings Carson, English Language and Literature

Ford Community Corps (\$7,500)

PURL 408: Case Studies in Public Relations (ASL project; A19-0019-001): This proposal is intended to fulfill requests for Social Media assistance from four non-profit agencies: LifeBUILDERS, Metropolitan Detroit Diaper Bank, Fish & Loaves Community Food Pantry, and Crossroads of Michigan. These agencies have expressed a need for assistance with increasing their presence and fundraising efforts through the use of a sustainable Social Media plan/platform. The objective is to pair the needs of the four non-profits with the needs of EMU's students by creating an opportunity for EMU's Public Relations: PURL 408 Case Studies in Public Relations capstone students.

Jennifer Fritz, School of Social Work

Herrick Foundation (\$110,000)

When Time Served becomes a Life Sentence: The After-Effects of being Jailed EMU Jail Reentry Support Program (A19-0018-001): The primary goal of the program is to provide reentry services to inmates as they prepare to leave jail. By providing resources to inmates, we are creating safer communities, facilitating family reunification and providing services that people need to be successful members of their communities. Collaborating partners for this project include the Wayne County Sheriff's office and Wayne County Jail.

Ellen Gold, Student Affairs

Alana's Foundation (\$1,700)

2018-2019 College/University Challenge Vaccine Assistance Grant (A19-0025-001): Funds will purchase flu vaccine so students without health insurance or without funds to pay for a flu shot may receive one at no charge.

Michigan Department of State Police (\$68,693)

EMU Students Choose to Create a Respectful Environment (A19-0031-001): In this proposal, the focus is on bringing men and women together in an effort to prevent sexual assault and relationship violence. There are three objectives: (1) Provide our male students with a safe, supportive space to understand and debunk the “real men” stereotypes of masculinity; (2) Promote an understanding of the ways in which traditional masculinity can play a role in perpetrating or condoning sexual assault and other forms of men’s violence against women, and expose them to healthier, non-violent models of manhood; and (3) Create a strong partnership between men and women to build healthy relationships and share an understanding of respect and consent that frame those relationships. While participation in the activities included in this project are open to all students, we have targeted three groups of students: Greeks (fraternities and sororities), student-athletes, and the Brotherhood and Sisterhood cohort of students of color.

Sayuri Kubota, World Languages

Japan Business Society of Detroit Foundation (\$3,000)

Eastern Michigan University's Japanese Student Association's Dinner Show (A19-0026-001): Funds support a Culture Show, which includes performances and food from the Japanese culture. The main purpose of this event is to promote Japanese culture awareness, forge good relations between the Japanese community of the area. Guests will be served Japanese snacks during the show. There will be dancing, music, and skits relating to Japanese culture; the skits will be themed with concepts that relate to the US and Japan. By showing interesting aspects of Japanese culture, we hope to create understanding between American and Japanese people, which in turn will improve relations.

Ethan Lowenstein, Teacher Education

National Oceanic Atmospheric Administration (\$44,605)

Climate Resilience from the Youth UP (A19-0030-001): This project fosters high school students' understandings of the interaction between climate change and community health and empowers them to create resilient communities through place-based inquiry and action.

UPS Foundation (\$5000)

Creating Opportunities for Urban Youth Participation in Place-Based Stewardship Education (A19-0032-001): This project supports travel costs for providing urban youth opportunities to connect with nature and engage in rigorous place-based stewardship activities.

Rodney McCurdy, School of Health Sciences

Michigan Community College Association (\$3,500)

EMU Michigan Medical Education and Training Campus (METC) Bridge Partner Project (A19-0022-001): Eastern Michigan University gives veterans the opportunity to receive college credit for Military Training and Schooling, making this partnership an ideal opportunity for collaboration between METC (a Department of Defense program) and EMU. Our Health Administration program fits well with students who have credit and training in a health care field who wish to continue their academic career in Health Administration (BS). Currently we articulate with four local community colleges for Health Administration and provide a smooth transfer pathway for those students. This can be expanded to include two METC programs: Medical Logistics and Patient Administration. We will begin to align the curriculum by examining the METC curriculum and ACE recommendations and determining if there is a potential for direct program equivalencies or general education experiences to apply toward the BS degree requirements.

Stephen McGregor, School of Health Promotion and Human Performance
The USA Hockey Foundation (\$42,624)

Leveraging Technology to Address Player Safety and Enhance Player Development in U.S. Ice Hockey (Year 3; A17-0002-003): In order to promote continued growth of ice hockey in the United States, it is important to address issues of player safety. Recent advances in technology allow for detailed, accurate identification of on-ice contact events. Therefore, technology can be used to improve the current state of knowledge regarding contact-related injuries in ice hockey. Aside from player safety, player development is another important component of the continued growth of hockey. Again, recent advances in technology allow for the accurate assessment of on-ice player performance in ways that were previously unattainable. Enhanced player development will contribute to the success across all levels of USA Hockey that will add to continued growth of the sport. In broad terms, the objectives of this project will be two-fold; to leverage technology to i) address issues of player safety, specifically related to contact in both checking and non-checking environments, and ii) to develop enhanced understanding of player assessment and development that can contribute to improved coaching approaches at all levels of USA Hockey from youth to elite levels of the sport.

Heather Neff, English Language and Literature
US Department of Education (\$242,136; Year 2 of 5)

EMU Ronald E McNair Postbaccalaureate Achievement Program 2017-2022 (A18-0015-002): The goal of the EMU McNair Program, consistent with the legislative purpose of the McNair Postbaccalaureate Achievement Program, is to provide disadvantaged college students with effective preparation for doctoral study. Each year the EMU program will serve 36 undergraduate students, at least two-thirds of whom (24) will be first-generation and low-income, with the remaining third (12) coming from populations underrepresented in doctoral education. McNair Scholars receive many forms of assistance as they progress towards doctoral study.

Hitomi Oketani, World Languages
Japan Business Society of Detroit Foundation (\$2,080)

Relation between Identity and English-Japanese Bilinguality of Japanese Heritage Language Students in Michigan (A19-0028-001): Although we expect Japanese Heritage Language Students to have a great opportunity to be bilingual and contribute to global society, in practice it is very difficult. One reason is that there is no supporting educational organization for K-12 students in Michigan. Among Japanese heritage groups, English is most likely stronger than Japanese skills. In a Canadian study on Japanese heritage language university students, Oketani (1995) found there are relationships between identity formation and bilinguality. For example, the more the students feel they are Japanese, the better their Japanese language proficiency. And this applies vice versa. The balanced English and Japanese Bilingual students feel they are evolved balanced global humans rather than either holding Japanese or Canadian identity. The study site, Toronto city, is a dynamic diverse city compared to Michigan, and there are many Japanese heritage language schools in Toronto. In this project, we analyze cases in Michigan with the objective to identify a better educational approach in Michigan towards balanced strong bilinguality.

**Natalie Morris, Doctoral Student with Faculty Advisor and Administrative PI,
James Todd, Psychology**

Blue Cross Blue Shield of Michigan Foundation (\$3,000)

The impact of desensitization as a modality to reduce oral hypersensitivity and improve intake in children with pediatric feeding disorders (A19-0021-001): Pediatric feeding disorders, characterized by severe disruptions in nutritional and caloric intake that exceed developmentally typical variations in food preferences, hunger, and/or interest in eating impact up to 90% of children with an autism spectrum disorder, and 70-90% of children who are born prematurely or have chronic medical issues. Feeding disorders are precipitated and maintained by a combination of medical, developmental, and behavioral factors. Given this, children with feeding disorders may have limited, delayed, or no early oral feeding experiences, decreasing the likelihood of independently developing appropriate oral motor skills required for eating. When presented with food, these children will engage in a number of refusal behaviors that interfere with bite acceptance and swallowing. Currently, there is a gap in the behavioral feeding literature addressing oral hypersensitivity and behaviors that interfere with swallowing. A behaviorally-based antecedent strategy, flipped spoon, has been very successful in treating expelling and packing in children with feeding disorders, however, little data exists on how this intervention impacts gags, emesis, or other inappropriate mealtime behaviors. This study will explore the efficacy of a procedure that directly targets oral hypersensitivity through desensitization and will be conducted in collaboration with University of Michigan Mott Children's Hospital.

Zuzana Tomas, World Languages

US Department of Education (\$534,294; Year 3 of 5)

Writing Research Intervention in Teaching English Language Learners (WRITELL) (A17-0009-006): WRITELL provides professional development to improve instruction for English Learners (ELs). Undergraduate and graduate students at Eastern Michigan University will provide after-school tutoring services to EL youth and to EL adults during

morning and evening classes. Intensive, year-long professional development for teachers will improve instruction for ELs and provide the subject for a quasi-experimental study of the effectiveness of scaffolding and writing strategy instruction for ELs. The project will serve 40 preservice teachers per year (200 total), 60 in-service teachers per year (300 total), 50 newly-licensed EL teachers by project end, 30 school leaders, counselors, school psychologists, etc. per year (150 total), 100 EL students in after-school tutoring programs per year (500 total), 250 parents and children in family literacy workshops per year (1250 total), and 250 adult ELs in the community per year (1000 total).

Wade Tornquist, Graduate Studies and Research

State of Michigan (\$104,396)

King-Chavez-Parks (KCP) Future Faculty Fellows FY 2019 (A17-0021-003): The purpose of the King-Chavez-Parks Future Faculty Fellowship Program is to increase the pool of traditionally underrepresented candidates pursuing careers in postsecondary education and subsequently promote inclusivity and diversity in US colleges and universities. The KCP Future Faculty Fellowship Award provides a maximum of up to \$20,000 for master's level Fellows and up to \$35,000 for doctoral Fellows.

State of Michigan (\$2,140)

King-Chavez-Parks (KCP) Future Faculty Fellows FY 2018 Supplement (A17-0021-004): Additional funds to support EMU students in the Future Faculty Fellows program who have a demonstrated need.

State of Michigan (\$9,871)

King-Chavez-Parks (KCP): Visiting Professors Program FY 2019 (A17-0020-003): The Martin Luther King, Jr.-Caesar Chavez-Rosa Parks (KCP) Visiting Professors Program was created by the Michigan State Legislature to stem the downward spiral of college graduation rates for students underrepresented in postsecondary education. The KCP Visiting Professors Program is intended to increase the diversity of instructors in Michigan higher education institutions to provide role models for underrepresented students.

Roderick Wallace, EMU Engage

Michigan Department of Education/US Department of Agriculture (\$9,196)

Summer Food Service Program for EMU Upward Bound Summer Academy 2018 (A15-0028-004): Eastern Michigan University's Upward Bound (EMU-UB) is a year-round academic and college success program working with high school students in Ypsilanti Community Schools. We target low-income students who are academically at-risk, and the first in their families to go to college. EMU-UB provides academic support, career exploration, advising, college campus tours, assistance with college and financial aid applications, etc. As part of our program services, we provide a summer residential camp to expose students to a campus living and learning environment. Summer Food Service Program will support access to healthy and nutritious food during the summer camp experience.

US Department of Education (\$17,871)

Upward Bound 2017-2022 (Year 2, Supplemental Funds; A17-0041-007): Due to an increased federal appropriation, EMU received a funding supplement to provide program support for its 89 eligible participants. The EMU Upward Bound Program (EMU-UB) focuses on preparing students to successfully graduate college within six years of their high-school graduation. EMU UB programming meets the specific needs of target students in the form of an integrated academic year, a pre-collegiate summer residential program including an algebra Jumpstart program for rising 9th graders, and a collegiate bridge and work-study/internship for seniors transitioning to college.

US Department of Education (\$39,523)

Eastern Michigan University Upward Bound Program: 2018 STEM Supplement (A17-0041-008): The EMU Upward Bound program will use the funds awarded in this supplemental grant to improve its own instructional practices, provide authentic learning opportunities for its research participants, and create a broader connection to STEM fields that can change the lives of our participants and their families.

Tsu-Yin Wu, School of Nursing

Centers for Disease Control and Prevention (\$593,307; Year 1 of 5)

Evidence-based strategies to empower Asian Americans in reducing health disparities (A19-0023-001) The overarching goal of this project is to reduce health disparities in chronic disease (e.g., hypertension, heart disease, Type 2 diabetes and obesity) by addressing preventive risk behaviors (poor nutrition and physical inactivity) and increasing utilization of preventive health services among Asian Americans in Michigan. Through the collaborative work between Healthy Asian Americans Project and the Asian Communities Toward Innovative Visionary Environment (ACTIVE) Coalition, the project will work with local Asian community-based organization partners and provide Asian communities with an equitable environment that is conducive to a healthier and more active lifestyle.