



Detroit Mercy Research & Grants

*Highlighting Research and Sponsored Programs at
University of Detroit Mercy*

Fall 2017

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Detroit Mercy Wins Prestigious Upward Bound Grant

Detroit Mercy has been awarded a U.S. Department of Education TRIO Upward Bound grant of \$1.3 million over five years. The University's first-ever Upward Bound program will assist 60 students annually from two high schools of the Detroit Public Schools Community District to prepare for college.

Students in grades 9-11 from Osborn High School and the Frederick Douglass Academy for Young Men will be chosen to participate in the program, with Saturday programming beginning in January 2018. The schools were selected based on their location and the percentage of students eligible for the program.

During the school year, participants will have weekly instructional contact with certified teachers and peer coaches/tutors. In the summer, students will participate in a six-week program that will give them supplemental instruction in mathematics, laboratory science, foreign languages, composition and literature.

Additionally, students will be involved in cultural experiences such as museum visits and theater performances. Their first cultural experience will be hosted by the Motown Museum and Greater Wayne County Links, Inc. This visit will include a tour of the museum and a workshop on entrepreneurship.



Students will also receive assistance with the college application process as well as information about financial aid. Detroit Mercy faculty will expose them to a variety of disciplines and career options, and they will be

able to earn college credit while still in high school through Detroit Mercy's dual enrollment program.

Pamela Rhoades Todd, formerly, Detroit Mercy's director of Pre-College Programs, serves as the Director of the TRiO Upward Bound program.

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A parental component will allow family members to attend monthly sessions on a variety of topics related to the objectives for student participants. This provides valuable information while creating a community of support for students.

While this is Detroit Mercy's first Upward Bound grant, the University was also awarded a first-ever TRIO Student Support Services grant from the U.S. Department of Education in 2015 through a national competition. The Student Support Services grant supports eligible students who are economically disadvantaged and/or first generation students, as well as students with disabilities.

For more information about the Upward Bound program, please contact Todd at 313-993-3374 or toddpa@udmercy.edu.

HRSA Supports Behavioral Health Integration at McAuley Health Center

The McAuley Health Center (MHC), University of Detroit Mercy's nurse-led primary care clinic on Detroit's east side, will be expanding behavioral health and substance abuse services for adults and children starting in January 2018, thanks to a grant from the Health Resources and Services Administration (HRSA). HRSA's goal is to support and evaluate the Collaborative Care model where the primary care giver (family nurse practitioner), care manager (licensed counselor) and psychiatric consultant (psychiatric nurse practitioner) work collaboratively to track and treat primary care patients for mental health within a primary care setting.

Currently, the center sees patients for mental health services one day per week; with the grant, which totals nearly \$1 million over two years, this will expand to five days per week for adults and children. "My goal is that people will have greater integrated physical and emotional health," said Carla Groh, the center's project director. Mental health, she explained, is tied to physical health, and one directly affects the other, adding, "Without good mental health, it is more difficult to have good physical health."

At present staffing levels, the clinic sees an average of 25 patients per month for mental health services, with most patients receiving about one

appointment per month. The appointment waiting list for new mental health patients is four to six weeks long. With the grant, Groh hopes to reduce the wait time for an initial appointment, increase the number of patients seen each month and allow for more frequent visits. Additionally, the clinic will partner with other community organizations to attend events, such as health fairs, to distribute resources about mental health and substance use.

More importantly, with this grant, the MHC will be able to offer mental health services to children and adolescents. The care manager will work directly with children, as well as take appointments with parents who have concerns about their children's growth and development — or who just need some extra support.

"Although it is hard to know what is 'normal' in this time of rapid change and flux, we do know that people suffer significant mental distress in response to life events and circumstances," Groh said. "It is our goal

with the HRSA grant to provide a safe venue where people can explore their feelings and develop strategies that help them more effectively handle change, uncertainty and serious mental health illness."



*Professor Carla Groh
McAuley School of Nursing*

Health Resources and Services Administration Funds the CUSP Fellowship Project

In Fall 2017, the Detroit Mercy Counseling program was awarded \$932,000 from the Health Resources and Services Administration (HRSA) as part of the Behavioral Health Workforce Education and Training (BHWET) for Professionals program. In support of the White House's *Now is the Time* initiative, the four year grant program (2017-2021) is intended to expand the mental health and substance abuse workforce, specifically serving medically underserved populations. The grant will allow for highly specialized enhanced education and training for Detroit Mercy Counseling students to work with the target populations, with an emphasis on integrated health, trauma, poverty, and court-involvement. Project participants (CUSP Fellows) will receive \$10,000 in scholarship funding while they complete their clinical internship and commit to dedicating

their early careers to treating those in greatest need.

Detroit Mercy's Counseling Underserved Populations (CUSP project) further expands the role of the Counseling program in preparing Master's level clinicians to work with highly specialized populations and was awarded following the Counseling program's highly successful WARY Fellowship program that will end in March 2018. According to CUSP Project Director and Principal Investigator, Dr. Nancy Calleja, "this most recent funding further cements Detroit Mercy's pivotal role as an essential partner in nation-wide efforts to effectively prepare highly-skilled clinicians to work with those in greatest need." Furthermore, "with Detroit and southeastern Michigan as a central focus for treatment delivery, the positive regional impact will only continue to grow."

Changes to the Federal Policy for the Protection of Human Subjects

In January 2017, the U.S. Department of Health and Human Services (HHS) and 15 other federal agencies issued a final rule to update regulations that safeguard human subjects. The revised rule strengthens protections for research participants while attempting to avoid additional administrative burdens. Most provisions in the new rule are slated to go into effect in January 2018.

Important elements in the final rule include the following (taken from HHS.gov):

- The requirement for consent forms to provide potential research subjects with a better understanding of a project's scope, including its risks and benefits, so they can make a more fully informed decision about whether to participate.
- Requirements, in many cases, to use a single institutional review board (IRB) for multi-institutional research studies. The proposal from the NPRM has been modified, however, to add substantial increased flexibility in now allowing broad groups of studies (instead of just specific studies) to be removed from this requirement.
- For studies on stored identifiable data or identifiable biospecimens, researchers will have the option of relying on broad consent obtained for future research as an alternative to seeking IRB approval to waive the consent requirement. As under the current rule, researchers will still not have to obtain consent for studies on non-identified stored data or biospecimens.
- The establishment of new exempt categories of research based on the level of risk they pose to participants. For example, to reduce unnecessary regulatory burden and allow IRBs to focus their attention on higher risk studies, there is a new exemption for secondary research involving identifiable private information if the research is regulated by and participants are protected under the HIPAA rules.
- Removal of the requirement to conduct continuing review of ongoing research studies in certain instances where such review does little to protect subjects.
- Requirement that consent forms for certain federally funded clinical trials be posted on a public website.

Dr. Elizabeth Hill, IRB Chairman, and Dr. Cate Caldwell, Director of Sponsored Programs, will present about the new regulations at Colleague Development Day, to be held on January 4, 2018 on University of Detroit Mercy's McNichols Campus. To register, please visit the website at <https://midyearcolleagueday2018.eventbrite.com>

Detroit Mercy Wins Second Fulbright-Hays Group Project Abroad Grant

University of Detroit Mercy Director of Language & Cultural Training Lara Wasner received a \$93,252 grant from the U.S. Department of Education's Fulbright-Hays Group Projects Abroad (GPA) Program. Wasner will use this grant to facilitate a second curriculum enhancement project for University faculty and Detroit K-12 teachers of arts and social sciences; the first award was administered in 2016.

Wasner and the Detroit delegation will travel to northeast Brazil for collaborative learning and project development during the summer of 2018. Participants will develop a curriculum project or unit plan that will complement learning and help internationalize their school and district.

The grant will provide participants with a four-week collaborative learning experience in Northeast Brazil, offering multiple perspectives of the African-American experience through scholarly research and dialogue to help inform learning, build and enhance resources and internationalize curricula in meaningful and measurable ways.

The program also includes Portuguese language instruction, historical and cultural learnings, and

engagement with community through site visits, lectures and programming – including with quilombo communities founded by runaway slaves and whose ancestral land is currently threatened.

In 2016, Detroit Mercy faculty Roy Finkenbine, Gail Presbey, Renady Hightower, Alan Grigg, Ann Eskridge and Wasner participated in the Brazil GPA, which also included K-12 educators from several area schools, including Chandler Park Academy, Detroit Academy of Arts & Sciences, Renaissance High School, Western International High School, and University Preparatory Academy.

The 2018 award will provide funding for up to four additional Detroit Mercy faculty and eight educators from Detroit to enhance and internationalize curriculum throughout Detroit and nationwide. Fulbright projects are prestigious awards that elevate the status of the institutions awarded. Fulbright Hays GPAs expand resources while expanding the numbers of faculty participants in these experiences.

To find out more about the program, including the curriculum projects created as a result of the GPAs, please visit <http://www.udmercy.edu/academics/academic-affairs/fulbright/gpa.php>.



Pictured from left to right are: Dr. **Roy Finkenbine** (Detroit Mercy); Dr. **Alan Grigg** (Detroit Mercy); Karen Russell (Edison Elementary School, Detroit); Dr. **Renady Hightower** (Detroit Mercy); William Bowles (Western International High School, Detroit); **Lara Wasner** (Detroit Mercy); Alana Wynes (University Preparatory Academy, Detroit); Regina Elamri (Chandler Park Academy, Detroit); Dr. **Gail Presbey** (Detroit Mercy); Dr. Kamas Hill (Evanston Twp High School, Evanston Twp. Ill.); Rachael Walker (Renaissance High School); Erika Stowall (Detroit Academy of Arts & Sciences).

State of Michigan Awards \$1MM for Pregnant Mothers and Infants Dental Program

The Michigan Department of Community Health (MDCH) has awarded the University of Detroit Mercy's School of Dentistry \$969,400 in order to improve oral health among high-risk pregnant women and children. The goal of the Michigan Initiative for Mother and Infant Oral Health (MIMIOH) Program is improve access to dental care for at risk pregnant women and improve the oral health of the mother and the infant.

Divesh Byrappagari, Assistant Professor and Director of Dental Public Health & Outreach, along with John Girdwood, Project Coordinator, will lead the project team. The program will establish six pilot sites in dental health profession shortage areas in the cities of Lansing, Muskegon, Benton Harbor, Battle Creek, Bay City and Calumet. At each site, a dental operatory will

be set up in the Ob/Gyn clinic to provide oral health screenings, preventative services and oral health education to patients who access the Ob/GYN services. Mothers who need additional care will be referred to the dental clinic.

Investigators will collect demographic data on dental disease rates, caries risk assessment of the patients, Mutans Streptococci bacterial loads and provide post-natal oral health education to program participants. The team plans to enroll 4,000 pregnant mothers. Measures of success include improved health literacy, improved adherence to prevention and follow-up care recommendations, and reduced incidence of dental disease in mother and infant.

Grant Writing Resources

InfoEd SPIN

SPIN is an extensive funding opportunity database which contains over 40,000 opportunities from more than 10,000 sponsors. It's available through the OSPRA website, the UDM Libraries database website, and also at www.infoed.org. By creating a profile, you can save searches and receive email alerts. Instructional videos are also available on the site. If you have any questions about SPIN, don't hesitate to contact the OSPRA. SPIN is generously funded by the UDM Libraries.

Foundation Directory Online

Foundation Directory online contains over 108,000 U.S. foundations and corporate donors, over 3 million recent grants, and over half a million key decision makers. FDO can be accessed at www.foundationcenter.org. Please contact the OSPRA or Corporate and Foundation Relations for login information.

Grants Review Team (GRT)

The GRT was created to connect non-tenured faculty with colleague mentors who have an established record of success in obtaining external grant funding.

Mentoring can take several different forms:

- individual consultations prior to beginning work on a major grant proposal,
- questions about specific sections of the proposal,
- critiques of one-page overviews, or
- critiques of complete proposals.

Profiles of GRT members, including agencies which have funded their work, keywords for their research interests, and recent publications, can be found on the OSPRA website:

<http://www.udmercy.edu/academicaffairs/ospra/grantsreviewteam/index.htm>

For other resources, such as video tutorials about grant budgeting, information commonly required in grant applications, compliance requirements and internal processes, please visit the OSPRA website at

<http://www.udmercy.edu/academicaffairs/ospra/>

National Science Foundation Awards Travel Grant for Young Mathematicians

Associate Professor of Mathematics Dawn Archey won a \$21,998 grant to support 15 early career mathematics researchers to travel to two conferences in Belgium in 2018. The Young Mathematicians in C*-Algebras Conference (YMC*A) and its companion conference Young Women in C*-algebras (YWC*A) are dedicated to fostering scientific and social interaction between young researchers. Both conferences are organized by graduate students and postdocs.

Inaugurated in 2015, the two conferences have flourished in this short time, attracting many young mathematicians from all over Europe and some from other continents.

“Participation by young American researchers provides a fantastic opportunity for cross pollination of ideas between them and their European counterparts,” says Archey.

The conferences will support the integration of graduate students, postdoctoral researchers, and junior faculty into the profession. Particular efforts will be made to attract researchers from underrepresented groups, including women and minorities.

One goal of the conferences is to actively broaden participation in science, technology, engineering and math (STEM) by providing a vehicle for diverse groups of people to present their research. The depth and breadth of presentations will provide beginning researchers exposure to transformative new work, an opportunity to interact with their peers, and a forum to share their work with a wide audience.

Both conferences will be held at the University of Leuven in Flanders, Belgium from August 11 to August 17, 2018.



Dawn Archey, Associate Professor of Mathematics, Detroit Mercy

Please Remember to Certify Your Effort!

If you have time and effort charged to a sponsored project, please help us stay compliant with federal regulations and avoid possible audit findings (and related fines) by taking a few short minutes to certify your effort! We accept paper reports as well as electronic certification in TitanConnect. Effort reports are due on January 31 (for fall term), May 31 (for winter term) and September 30 (for summer term). Please see the instructions below, as well as links to instructional videos.

PROCESS FOR USING TITANCONNECT TO CERTIFY

1. Login to TitanConnect Self-Service
2. Go to the Employee tab
3. Click on Effort Certification
4. Click on the term for which you want to certify
5. View the effort distribution as recorded by Payroll
6. If it is *correct*, CLICK CERTIFY
7. If it is *incorrect*, click request changes and send an email with the specific changes requested to tcfinance@udmercy.edu or complete a paper report.

VIDEO ABOUT TITANCONNECT CERTIFICATION

Please view the following four-minute video for more specific instructions on certifying effort using TitanConnect:
<http://www.youtube.com/watch?v=UdHrHvRp9q0>

More information can be found at

<http://www.udmercy.edu/academicaffairs/ospra/effortreporting/index.htm>

Faculty Scholarship Highlights, April 2017 — October 2017

Please note that the library keeps more comprehensive lists of faculty publications over time.

Please see the website at http://libraries.udmercy.edu/find/special_collections/digital/csa/

Key

UDM faculty names are bolded and UDM student names are italicized.

† Research done as part of an Institutional Research Fund Grant

‡ Research done as part of a Research Leave

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Faculty Awards and Recognitions

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Kwasky, A. (2017). *Clinical Practice Award 2017*. International Society of Psychiatric Nurses.

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Vinarcik, M. (2017). A Pragmatic Approach to Teaching Model Based Systems Engineering: The PRZ-I. *Best Paper, Systems Engineering Division, 2017 Annual Conference*. American Society for Engineering Education.

Student Awards and Recognitions

Mitchell, J. (2017). The transition to college among emerging adults with and without a parent with a mental illness. *Student Travel Grant*. American Psychological Association.

Mitchell, J. (2017). The transition to college among emerging adults with and without a parent with a mental illness. *Invited talk presented as part of Young Investigators Symposium*. Division 7 (Developmental) of the American Psychological Association.

Patel, P. (2017). Characterization of Mutans Streptococci in the Oral Cavity to Facilitate Discovery of Novel Specific Bacteriophage. *1st Place Poster Presentation*. Michigan Branch of the American Society for Microbiology. †



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