A consortium of University of Detroit Mercy, Marygrove College, Wayne County Community College District and Wayne State University has been awarded $21.2 million over five years by the National Institutes of Health (NIH) to implement a program encouraging more undergraduate students from underrepresented and economically disadvantaged backgrounds to pursue careers in biomedical research.

UDM is the primary institution responsible for managing the grant. UDM faculty will provide research opportunities and mentorship for program undergraduates.

The grant was awarded through the NIH's Building Infrastructure Leading to Diversity (BUILD) initiative, created to get more minority and economically disadvantaged students in the STEM pipeline, expose students to research in laboratories and enhance the research-training environment. Studies have shown students from underrepresented backgrounds enter early biomedical research training in numbers that reflect the general population, but they are less likely to persist.

The Detroit consortium's project is called REBUILD Detroit — an acronym for Research Enhancement for Building Infrastructure Leading to Diversity. During the first year of the grant, the four partner institutions will redesign their curriculum with an emphasis on peer mentoring, early introduction to laboratory research and dedicated faculty advising. The program will recruit its first cohort of students in the second year and begin their training.

In order to shift the paradigm of minorities in biomedical research, REBUILD Detroit's goals are aggressive: To have at least 75 percent of its scholars graduate with baccalaureate degrees in biomedical science-related fields and have 50 percent of those graduates matriculate into biomedical research doctoral programs.

To recruit a broad and diverse group of students and offer them research

Continued on page 2
training and mentorship activities in a variety of disciplines, the different but complementary Detroit institutions decided to collaborate. Combined, the four colleges and universities enroll more than 47,000 undergraduates, of whom more than 50 percent of whom are underrepresented minorities and/or qualify for federal financial aid.

Marygrove College and Wayne County Community College District will be pipeline partners for REBUILD Detroit, expanding the pool of students in the program and co-developing and implementing support programs that enable students to learn coursework necessary to enter research careers, in addition to participating in research and mentoring activities.

Wayne State will serve as the research partner in the consortium. As such, it will mentor faculty from other institutions in research skills; provide research-training opportunities; and provide REBUILD scholars skills development in grant applications, graduate school preparedness, and networking opportunities.

The principal investigators of the grant are Gary Kuleck, dean of the College of Engineering & Science, University of Detroit Mercy; Sally Welch, interim dean of New Program Development, Marygrove College; George Swan, III, vice-chancellor for External Affairs, Wayne County Community College District; and Ambika Mathur, dean of the Graduate School, Wayne State University.

At the conclusion of the BUILD projects, the NIH will disseminate successful approaches widely so that institutions beyond those directly supported by the program may adopt and implement the most effective strategies.

For more information, see the website rebuildetroit.org.

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**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 ‘GENIUS’ profile, you can save searches and receive email alerts. Instructional videos are also available on the site. If you have any questions about SPIN or GENIUS, 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
University of Detroit Mercy is one of three Michigan schools to receive nearly $700,000 in grant money from the U.S. Department of Health and Human Services. In an effort to fill the health care employment gap in medically underserved areas, grant money will be used to give tuition support to nurses enrolled in the family nurse practitioner (FNP) program, earning a Master of Science in Nursing (MSN).

Full-time students are eligible for the grant, allowing them to receive up to $22,000 per year in scholarship money for two years. It will also be available for part-time students in their final year, providing them up to $11,000 in scholarship money. “These funds will provide critical support to many of our students, allowing them to complete their education,” said Janet M. Baiardi, Ph.D., FNP-BC, professor and chair of UDM’s McAuley School of Nursing.

Baiardi noted that in order to support their families, most students in the program must work while completing their education. “The family nurse practitioner program focuses on providing care in an urban context, and students have experiences in underserved areas,” explained Baiardi. “Around half of our students come from Detroit, allowing UDM to have a long history of graduates who provide high quality primary care to that region.” Many students in the program who come from the surrounding tri-county area, especially Detroit, stay and help serve that population.

Dental student researchers to represent UDM at conferences

Under the supervision of the School of Dentistry Assistant Director of Research Eric Krukonis, the UDM School of Dentistry held competition to determine its representative to the 2104 ADA/Dentsply Student Clinician Research Program. The program provides each dental school in the United States and Puerto Rico with funds to support one student in a research poster competition held during the ADA Annual Session, which this year is in San Antonio, Texas. Shideh Pejman will be presenting her work entitled “Emergency department utilization prior to visiting dental school emergency clinic” which was completed under the mentorship of Dr. Takako Tanaka of the Department of Biomedical and Diagnostic Sciences.

The School of Dentistry selected James Williams to represent UDM at the 2014 Hinman Student Research Symposium held in Memphis Tennessee. This symposium is held annually to recognize the research efforts of dental students nationwide. Mr. Williams will be presenting his work “The role of substance P in dental/orofacial pain” which was completed under the mentorship of Dr. Maha Ahmad of the Department of Biomedical and Diagnostic Sciences. Mr. Williams is also co-author of a publication entitled “Substance P concentration in saliva of patients who report dental pain” published in the Journal of Advanced Oral Research.
NSF grant to increase women faculty in STEM fields

University of Detroit Mercy (UDM) has been awarded a $194,996 grant by the National Science Foundation (NSF) through its ADVANCE IT-Catalyst program. The goal of the program is for women faculty members in Science, Technology, Engineering and Mathematics related fields to achieve parity with their male peers and fulfill their own greatest potential.

“Through the ADVANCE program, NSF invests in the future of women in STEM,” says NSF Program Director Beth Mitchneck. “Supporting institutional change that furthers the advancement of women as faculty is a means to making the institution more receptive to talent from all backgrounds.”

The project will be led by Professor Xiaohui Zhong. Co-investigators include Assistant Professor Dawn Archey, Associate Professor Linda Slowik, Professor Kathleen Zimmerman-Oster and Provost Pamela Zarkowski.

Project activities will take place over a two-year period and include data collection, policy review, institutional climate-related surveys, and focus groups. Funds will also support a pilot version of the new NetWalking program, which will provide UDM faculty members with an opportunity to network in an active way.

IRB FAQs

One of the most frequently asked questions of Elizabeth Hill, chair of UDM’s Institutional Review Board (IRB), is “do I need to submit my project to the IRB?” The answer may not be as straightforward as it seems. The short answer is that all research involving human subjects requires IRB approval. When determining whether to submit one’s proposed project to the IRB, therefore, an investigator must ask her or himself the following questions, 1) Is my project considered research, and 2) If so, is it human subjects research? According to the Common Rule, research is defined as “a systematic investigation, including research development, testing and evaluation, designed to develop or contribute to generalizable knowledge.” Ergo, if the proposed project is not intended to contribute to generalizable knowledge, it is not, according to the Common Rule, considered research. For example, clinical practice, non-research evaluation, and student research conducted only for instructional purposes (as in the case of a research methods course) do not require IRB approval. Clinical practice is generally defined as an intervention designed solely to benefit an individual patient, with a reasonable expectation of success. Even in the case of an experimental treatment, such practices are not considered research because they are not generalizable. Evaluation undertaken only to improve the program quality (or the quality of clinical care, patient safety, health care operations and the like) is likewise not generalizable. However, if a program is being evaluated for effectiveness, then it would be considered research. Similarly, internal teaching evaluation, which is aimed at quality improvement in the education realm, is considered assessment rather than research as defined here. In the case of student research, mentors should ask if the student’s research is designed to contribute to generalizable knowledge. If a student’s work may result in a publication or presentation, then yes, the student should apply to the IRB. However, if a student is conducting study only as a class assignment in order to learn how to do research, then no, he or she would not be required to submit.

If an investigator has determined that, yes, the project is a research study, then the second question is, “am I dealing with human subjects?” The Common Rule defines a human subject as “a living individual about whom an investigator (whether professional or student) conducting research obtains 1) data through intervention or interaction with the individual, or 2) identifiable private information.” Therefore, journalistic endeavors consisting of collecting, verifying, reporting, and analyzing information about current events including trends, issues and people are not considered human subjects research. The information gathered is not considered private information. Similarly, information gathering about organizations, operations, budgets, etc. from organizational representatives is not human subjects research. That is, unless the investigator also collects identifiable private information about individual members, employees or staff. Studies which consist entirely of observation, where investigators do not interact with subjects or gather identifiable private information, likewise do not require IRB approval. If an investigator determines that his or her project is research involving human subjects, then he or she can visit UDM’s IRB website for details on how to submit. http://www.udmercy.edu/academicaffairs/ospra/irb/index.htm
Counseling & Addiction Studies receives HRSA grant

University of Detroit Mercy (UDM) has been awarded a $702,000 grant from the Health Services and Resources 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 grant program is intended to expand the mental health and substance abuse workforce serving children, adolescents, and transitional-age at- and high-risk youth.

The Counseling program at UDM offers Master’s degrees in three specialty areas: Addiction, Clinical Mental Health, and School Counseling, preparing students to work as clinicians, clinical supervisors, program administrators, and leaders in behavioral health care. The grant will provide funding for additional specialized education and training for Counseling students to prepare them to specifically work with high risk adolescents. The funding will also provide scholarships to students as they complete their clinical internship.

The UDM Counseling program partners with a host of non-profit organizations throughout metro Detroit, including the Veteran’s Administration, Detroit Rescue Mission Ministries, the Guidance Center, Brighton Hospital, Vista Maria, and Harbor Oaks Hospital. Participating community partners in the grant program include Spectrum Juvenile Justice Services, Detroit Public Schools, Sacred Heart Recovery Center, Chippewa Valley High School, and Spectrum Child and Family Services, among others.

The award is timely as the UDM Counseling program celebrates its 50th year, and is well-aligned with the social justice-infused Mission of the program and the University. “As a Counseling program that has been historically dedicated to preparing students to work with marginalized populations, to engage in service and advocacy, and to enhance the lives of individuals by providing the most effective behavioral health treatment, UDM’s Counseling program is uniquely positioned to fulfill the intent of this grant,” said Nancy Calleja, Professor and Chair, Department of Counseling and Addiction Studies, and Project Director. “Moreover, the funding will enlarge the pipeline of professional counselors prepared to further strengthen and enhance the city of Detroit and its surrounding communities” she added.

Counseling and Addiction Studies receives course development grant from MCAN

The University of Detroit Mercy (UDM) School Counseling program received a $10,000 grant from the Michigan College Access Network (MCAN) to develop a pre-service training course in postsecondary planning and college advising. This new course is specifically designed to address the need for improved school counseling and college advising that leads to measurable outcomes for post-secondary students through either career readiness or college admission immediately following high school. Associate Professor Jocelyn Bennett-Garraway will lead the program.

Engineering & Science grant focuses on driver safety research

The College of Engineering & Science has received a $50,000 award from the Denso North America Foundation. The funding will be used to explore multi-vehicle safety in order to keep pace with the rapidly changing technology of advanced vehicle development. The program, led by Assistant Professor of Electrical & Computer Engineering Utayba Mohammad and Professor of Electrical & Computer Engineering Mark Paulik, will result in a more innovative curriculum that includes significant hands-on design and project-based experiences. Through these experiences, students will learn about the challenges associated with advanced automotive sensor, interface, algorithm and vehicle system engineering.
Please Remember to Certify Your Effort!

If you have time and effort charged to a sponsored program, please help us stay in compliance with federal regulations by certifying your effort! We accept paper reports as well as electronic certification in TitanConnect self-service. Effort reports are due on January 31 (for fall term), May 31 (for winter term) and September 30 (for summer term).

VIDEO ABOUT TITANCONNECT CERTIFICATION
To assist you in better understanding the process, the OSPRA has developed a short video for your viewing. Please view the following four-minute video for more specific instructions on certifying effort using TitanConnect:  
http://www.youtube.com/watch?v=UdHrHvRp9q0

VIDEO ABOUT UNDERSTANDING EFFORT REPORTING
For additional information about why effort certification is required, please see the following four minute video about Understanding Effort Certification: http://www.youtube.com/watch?v=3zOaO0q2Ft8

More information can be found on the OSPRA website at http://www.udmercy.edu/academicaffairs/ospra/effortreporting/index.htm
Faculty Scholarship Highlights

Faculty Scholarship Highlights April 2014—October 2014

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

Please note that the library keeps more comprehensive lists of faculty publications over time. Please see the website at http://research.udmercy.edu/achievement/

Book


http://quod.lib.umich.edu/g/groves/

Robinson-Dunn, Diane. *paperback version- The harem, slavery, and British imperial culture: Anglo-Muslim relations in the late 19th century*. Manchester University Press, Manchester, United Kingdom. 2014


Book Chapter


Journal Article


http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4112623/


Corrigan, Catherine, and Andrea Kwasky. "Utilizing service-learning to promote a value based professional nursing curriculum." Creative Education. 5.21 (2014)


Geist, James, Shin-Mey Geist, and LiMin Lin. "A cone beam CT investigation of ponticulus posticus and lateralis in children and adolescents." Dentomaxillofacial Radiology. Ralf Schultzze. 43.5 June 2014: 20130451


Meyers, Margaret, Carla Groh, and Juliann Binienda. "Depression Screening and Treatment in Uninsured Urban Patients." Journal of the American Board of Family Medicine. 27.4 July-August 2014: 520

Moran, Katherine, and Rosanne Burson. "Understanding the Patient Centered Medical Home." Home Healthcare Nurse. 32.8 September 2014: 476-481


Conference Proceeding


**Conference Presentation**


Groh, Carla, and Irva Faber-Bermudez. "Integrating a FQHC Primary Care Clinic within a Mental Health Agency: Opportunities, Challenges and Lessons Learned." American Psychiatric Nurses Association Annual Conference. Indianapolis, IN. 22-25 October 2014


Lietz, Irene. "But When Do I Cross the Street?: Roberta’s White Guilt." Conference on College Composition and Communication. Indianapolis, IN. 19-22 March 2014

MacDonald, Lorri. "Setting the Tone for Student Learning." First Annual Teachers Conference organized by the Teacher Professional Development Center at Ilia State University. Tbilisi, Georgia. 26 October 2013


Faculty Recognition

Harrison, Mary-Catherine. Organized the 37th annual conference of the Midwest Victorian Studies Association, which was held April 11-13 at the University of Michigan, in Ann Arbor, Mich.  
http://www.udmercy.edu/events/2014/04/11/victorian-studies-conference.php

Hill, Richard, and Kirstie Plantenberg. "Assessing a Conceptual Approach to Undergraduate Dynamics Instruction." Best Paper Award. ASEE North Central Section Conference,

Moran, Katherine and Roseanne Burson write a monthly column on diabetes in Home Healthcare Nurse: The Journal of the Home Care and Hospice Professional.  
http://journals.lww.com/homehealthcarenurseonline/pages/default.aspx
Faculty/Administrator Grant Awards

Bairdi, Janet. “Advanced Education Nursing Traineeship.” $674,720 grant from the Health Resources and Services Administration.

Bennett-Garraway, Jocelyn. “School Counselor Graduate Program Planning Grant.” $10,000 grant from the Michigan College Access Network.

Byrappagari, Divesh and Laura Wright. “SEALS Michigan.” $60,000 grant from the Michigan Department of Community Health.

Calleja, N. G. "Expanding the Professional Counseling Workforce to Treat Adolescents and Young Adults with Complex Needs." $703,000 grant from the Health Resources and Services Administration.

Calleja, Nancy G. "Implementing Trauma-Focused Cognitive-Behavioral Treatment with Court-Involved Youth." $180,000 grant from the Ethel and James Flinn Foundation.

Hu, Hsiao-Lan. "Contemporary Chinese Buddhist Philosophy and Buddhist-Feminist Social Ethics, with Focus on the Works of Bhiksuni Chao-Hwei" Short-Term Research Grant on Current Issues in Chinese Buddhism. Shengyan Educational Foundation, in conjunction with the Center of Studies on Chinese Religions, National Chengchi University.

Kuleck, Gary, Ambika Mathur, George Swan and Sally Welch. “Research Enhancement for BUILDing Detroit.” $21,205,934 grant from the National Institutes of Health.

Paulik, Mark. “UDM Student Project Development - Short Range Communication.” $50,000 grant from DENSO Corporation.

Pitera, Dan and Christina Heximer. “Impact Detroit.” $510,000 grant from the Kellogg Foundation.