

# Research@UDM

Highlighting research and sponsored programs at  
University of Detroit Mercy

## Fall 2014

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## NIH awards \$21.2 million grant to UDM and three Detroit schools

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 of a group of students and offer them research



Left to right: Gary Kuleck, UDM; Ambika Mathur, WSU; Sally Welch, Marygrove; George Swan, WCCCD

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## NIH, continued

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 [rebuilddetroit.org](http://rebuilddetroit.org).

## 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](http://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](http://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>

## UDM receives grant to address need for health care providers

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.



*Janet M. Baiardi, professor and chair, McAuley School of Nursing*

## 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.



*Shideh Pejman, UDM student*



*James Williams, UDM student*

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/ospira/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 Administra-

tion, 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 50<sup>th</sup> 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

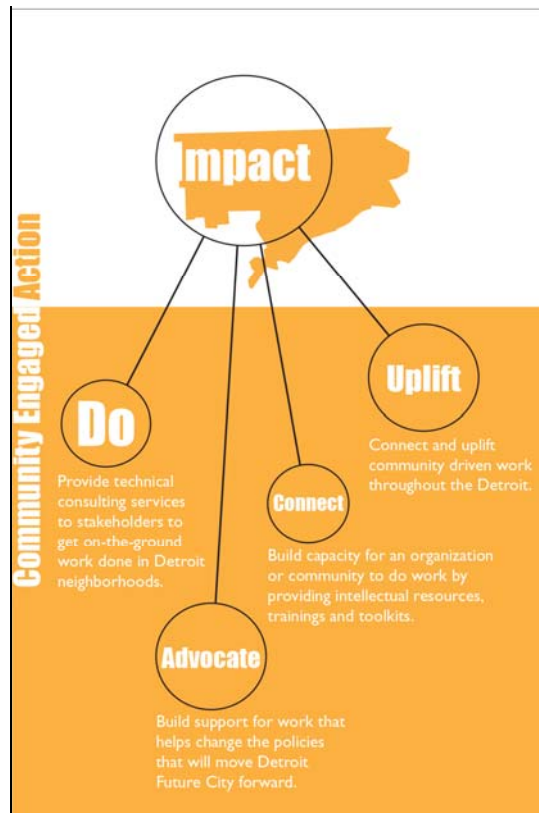
The College of Engineering & Science has received a \$50,000 award from the Denso North America Foundation. The funding will be used to explore multi-vehicle safety in order to keep pace with the rapidly changing technology of advanced vehicle development. The program, led by Assistant Professor of Electrical & 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.

## Kellogg grant helps implement Detroit Future City Strategic Framework

Along with a myriad of community stakeholders, businesses and organizations, the UDM School of Architecture's Detroit Collaborative Design Center (DCDC) co-lead with the Process Leaders the civic engagement strategies needed to complete the Detroit Future City Strategic Framework in 2013. This same network of organizations has continued to work together under a collaborative initiative known as the Impact Detroit Network. Impact Detroit recently secured a \$500,000 grant from the W.K. Kellogg Foundation to continue to move its community-driven work forward in order to improve the quality of life for Detroiters and Detroit neighborhoods.

Impact Detroit, is a network of community-driven organizations, individuals and businesses that provides expertise and knowledge to bring the Detroit Future City Framework to life through on-the-ground innovative and inspirational projects.

Impact Detroit Network partners recognize that not only the city's physical infrastructure, but also its civic infrastructure, is deserving of support and renewal. The capacity and vibrancy of Detroit's strong residents, strong leaders, strong organizations, and strong sectors, will enable the city to make ongoing, continual progress on pervasive, long-term community issues, such as public safety, equitable job access, education, and health.



## 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

**Benvenuto, Mark A.** *What You Need for the First Job, Besides the Ph.D. in Chemistry.* American Chemical Society, Washington DC. 2014

CERCL Writing Collective, and **Terri Laws.** *Breaking Bread, Breaking Beats - Churches and Hip-Hop - A Basis Guide to Key Issues.* Fortress Press, Minneapolis, MN. 2014

**Calleja, Nancy G.** *The Forward-Focused Model: Developmentally Informed Treatment for Juvenile Justice-Involved Adolescents.* The Safer Society Press, Brandon, VT. 2014

**Cavanagh, Gerald,** and **Eric Hespeneide.** *Sustainable Development.* Notre Dame Press, Notre Dame, IN. 2014

Readdick, Christine A., and **Libby Balter Blume.** *Irish Families & Globalization: Conversations about Belonging & Identity across Space & Time.* Michigan Publishing, Ann Arbor, Michigan. 2014  
<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

**Stever, Sarah.** *Art, Style, and Society: Siena, Florence, Venice, 1300-1600.* Createspace, North Charleston, South Carolina. 2014

### Book Chapter

**Harrison, Mary-Catherine.** "'The Great Sum of Universal Anguish': Statistical Empathy in Victorian Social-Problem Literature." *Rethinking Empathy through Literature.* Meghan Hammond and Sue Kim. Routledge, (2014): 135-149

*Labond, J., N. H. Stroeters,* **M.A. Benvenuto,** and **E.S. Roberts-Kirchhoff.** "Analysis of Nine Edible Clay Supplements with a Handheld XRF Analyzer." *Chemistry of Food, Food Supplements, and Food Contact Materials: From Production to Plate.* Benvenuto, M.A., Ahuja, S., Duncan, T.V., Noonan, G.O., Roberts-Kirchhoff, E.S., Eds. American Chemical Society, Washington, D.C. (2014): 99-111

**Meyers, Genevieve.** "Decentralization in Uganda: Towards Democratic Local Governance or Political Expediency?" *Challenges to Democratic Governance in Developing Countries.* Mudacumura Gedeon; Göktuğ Morçöl. Springer, (2014)

### Journal Article

**Abraham, Kristen M.,** Christopher J. Miller, Denis G. Birgenheir, Zongshan Lai, and Amy M. Kilbourne. "Self-efficacy and quality of life among people with bipolar disorder." *Journal of Nervous and Mental Disease.* 202 (2014): 583-588

**Abraham, Kristen M.,** Dara Ganoczy, Matheos Yosef, Sandra G. Resnick, and Kara Zivin. "Receipt of employment services among Veterans Health Administration users with psychiatric diagnoses." *Journal of Rehabilitation Research and Development.* 51 (2014): 401-414

**Ahmad, Maha,** *Jay Williams,* **Michelle Wheeler,** and **Reem Al-Abbousi.** "Substance P Concentration in Saliva of Patients who Report Dental Pain." *Journal of Advanced Oral Research.* 5.2 May-Aug 2014

- Aravindaksha, Shyam Prasad, Puneet Batra, and Partha Sadhu.** "Bilateral Alveolar Distraction for large Alveolar Clefts." *The Cleft Palate- Craniofacial Journal*. Jack C. Yu. 10 Articles in Press 2014
- Barron, Daniel, and **Jacob Kagey.** "The role of the Hippo pathway in human disease and tumorigenesis." *Clinical and Translational Medicine*. 3.2518 July 2014  
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4112623/>
- Batra, Puneet, **Shyam Prasad Aravindaksha, Narendra Kumar, Meenu Goyal, and Saurabh Sonar.** "Modified-casted appliance for surgically assisted rapid palatal appliance: A clinical report." *Journal of Indian Orthodontic Society*. Gurkeerat Singh. 1.2 April-June 2014: 138-142
- Bağcı, Özer, **Nihad Dukhan, and Mustafa Özdemir.** "Metal Foam Hydrodynamics: Flow Regimes from Pre-Darcy to Turbulent." *International Journal of Heat and Mass Transfer*. (2014)
- Bağcı, Özer, **Nihad Dukhan, and Mustafa Özdemir.** "Flow Regimes in Packed Beds of Spheres from Pre-Darcy to Turbulent." *Transport in Porous Media*. (2014)
- Bhattacharya, Mithu.** "Investigating RFID Adoption in Retail: Using Roger's Stage Model Perspective." *Business Process Management Journal*. (2014)
- Bhattacharya, Mithu, and Samuel Fosso Wamba.** "A Conceptual Framework of RFID Adoption in Retail Using TOE Framework." *International Journal of Technology Diffusion*. (2014)
- Bosnjakovic, Admira, Marek Danilczuk, Shulamith Schlick, Gregory Haugen, Pa Xiong, and Steven Hamrock.** "An Attempt to Generate Anion Exchange Membranes by Amination of the Perfluorinated 3M Precursor Leads to the Hydrolysis of the Precursor." *Journal of Membrane Science*. 4671 October 2014: 136-141
- Bozimowski, Gregory, Carla Groh, Patricia Rouen, and Micheal Dosch.** "The Prevalence and Patterns of Substance Abuse among Nurse Anesthesia Students." *AANA Journal*. 82.4 August 2014: 7
- Broughton, Richard.** "The Ineludible (Constitutional) Politics of Guns." *Connecticut Law Review*. (2014)
- Chang, KCJ, MA Wheeler, L Cabanilla-Jacobs, and L Litonjua.** ". Interleukins in Gingival Crevicular Fluid in Patients with Definitive Full Coverage Restorations." *Compendium of Continuing Dental Education*. 35.4 (2014): e18-24
- Corrigan, Catherine, and Andrea Kwasky.** "Utilizing service-learning to promote a value based professional nursing curriculum." *Creative Education*. 5.21 (2014)
- Corrigan, Catherine, Andrea Kwasky, and Carla Groh.** "Social Support, Postpartum Depression and Professional Assistance: A Survey Of Mothers In The Midwestern United States." *Journal of Prenatal Educators*. (2014)
- Daimi, Kevin, Xiaohui Zhong, Dahong Li, and Qinghua Lin.** "A Collaborative Minor in Computational Physics." *US-China Education Review A*. 4.7 July 2014: 481-489
- Doering, Arthur, Warren Wagner, Susan Paurazas, and Michael Hoen.** "Clinical article." *Evaluation of Potential Apex Locator Induced Electrophoresis*. Virginia Merchant. October 2014: 44-47
- Dukhan, Nihad.** "Characteristics of Oscillating Liquid Flow in Foam-Like Highly-Porous Media: An Experimental Study." *Experimental Thermal and Fluid Science*. (2014)
- Dukhan, Nihad, Özer Bağcı, and Mustafa Özdemir.** "Experimental Flow in Various Porous Media and Reconciliation of Forchheimer and Ergun Relations." *Experimental Thermal and Fluid Science*. (2014)
- Eisenhauer, Joseph G.** "Charism and Commerce: Business Education in the Mercy Context." *Journal of Catholic Higher Education*. 33.1 (2014): 93-117
- 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 Schultze. 43.5 June 2014: 20130451
- Greene, Harold H, James M Brown, and Barry Dauphin.** "When do you look where you look? A visual field asymmetry." *Vision Research*. (2014)



- Hale, Deborah.** "Influenza 101: What you Need to Know." *Home Healthcare Nurse*. Oct 2014
- Harrison, Mary-Catherine.** "'Economics and Ethics in the Victorian Novel'" *Studies in the Novel*. 46.3 Fall 2014: 371-375
- Kelly, R.S.M., Mary, and Maureen Anthony.** "The Last Generation of Sister Administrators: Insights about the Transition of Catholic Hospital Leadership." *American Catholic Studies*. 125.3 (2014)
- Kinaia, Bassam M.,** Maanas Shah, **Anthony L. Neely,** and Harold E. Goodi. "Crestal Bone Level Changes Around Immediate Implant SYSTEMATIC REVIEW and META ANALYSES." *Journal of Periodontology*. Kornman. 85 November 2014: 1537-1548
- Kwasky, Andrea,** and **Carla Groh.** "Coping self-efficacy as a mediator between vitamin D and depression in young women: A longitudinal study." *Archives of Psychiatric Nursing*. (2014)
- MacDonald, Lorri.** "The Process of Implementing Electronic Portfolios into a Teacher Education Program: Pitfalls and Successes." *National Social Science Journal*. 42.2 (2014): 60-64
- 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
- Morozov, Serhiy,** Hossein Saiedian, and *Hanzhang Whang.* "Reusable Prime Number Labeling Scheme for Hierarchical Data Representation in Relational Databases." *Journal of Computing and Information Technology*. 22.1 (2014): 31-45
- Patelarou, Athina, Evridiki Patelarou, Hero Brokalaki, Vassilis Dafermos, **Linda Thiel,** Christos Melas, and Evmorfia Koukia. "Current Evidence on the Attitudes, Knowledge and Perceptions of Nurses Regarding Evidence-Based Practice Implementation in European Community Settings: A Systematic Review." *Journal of Community Health Nursing*. 30.4 (2013): 230-244
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- Saunders, Mitzi.** "Home Health Care Nurses' Perceptions of Heart Failure Home Health Care." *Home Health Care Management & Practice*. (2014)
- Souldatos, Ioannis.** "Notes on cardinals that are characterizable by a complete (Scott) sentence." *Notre Dame Journal of Formal Logic*. 55.4 (2014): 533-551
- Stemig, Melissa, Shanti Kaimal, Sandra Myers, and **Mohammad Islam.** "Estrogen receptor-alpha polymorphism in patients with and without degenerative disease of the temporomandibular joint." *Cranio*. (2014)
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- Weekes, Carmon V.N.,** Barbara K. Haas, and Kevin Gosselin. "Expectations and Self-Efficacy of African American Parents Who Discuss Sexuality with their Adolescent Sons: An Intervention Study." *Public Health Nursing*. 31.3May/June 2014: 253-361

## Conference Proceeding

- Adla, Rawa, Youssef Bazzi,** and **Nizar Al-Holou.** "Multi Sensor Data Fusion, Methods and Problems." *The World Congress in Computer Science, Computer Engineering, and Applied Computing*. Las Vegas, Nevada / USA. July 2013
- Bağcı, Özer, **Nihad Dukhan,** and Mustafa Özdemir. "Various Flow Regimes and Permeabilities for Packed-Spheres Porous Media." *10th International Conference on Diffusion in Solids and Liquids*. Paris/France. (2014)
- Bağcı, Özer, **Nihad Dukhan,** and Mustafa Özdamir. "Characterization of Oscillating Water Transport in Metal Foam." *International Conference on Thermophysical and Mechanical Properties of Advanced Materials*. Izmir/Turkey. (2014)

Bağcı, Özer, **Nihad Dukhan**, and Mustafa Özdemir. "Liquid Flow in Packed Spheres of Equal Diameters: Regimes, Permeability and Forchheimer Coefficient." *Convective Heat and Mass Transfer Conference*. Kusadasi/Turkey. (2014)

**Bhattacharya, Mithu**, and **Samuel Fosso Wamba**. "Proceedings of 45th Annual Meeting of the Decision Sciences Institute." *Decision Sciences Institute*. Tampa, FL, USA. November 2014

**Cavanagh, Gerald**. "Benchmarks for Jesuit Business Education: lessons for Presidents, Provosts, Deans and Search Committees." *Colleagues in Jesuit Business Education*. USF, San Francisco, CA. 2014 July 2014

**Greene, Harold H**, James M Brown, and **Barry Dauphin**. "A visual field asymmetry in pre-saccadic fixation durations." *Vision Sciences Society [Journal of Vision 14(10), 2014]*. St. Pete Beach, FL, USA. (2014)

Guan, Li, Andrew Niedert, and **Richard Hill**. "Simulation-based Design of the Geometry and Control System for an Omnidirectional Ground Vehicle." *ASME Dynamic, Systems, and Control Conference (DSCC)*. San Antonio, TX. October 2014

Horani, Mohammad. "Evaluating the Performance of Intersection Collision Warning Systems over Vehicular Networks." *2014, Intelligent Transportation World Congress*. Detroit, Michigan / USA. 7 - 11 September 2014

**Ross, Robert, E. Prasad Venugopal, Gary Hillebrand, Meghann Murray**, and Matt Gonderinger. "Results of a Multi-Year Assessment of Inquiry-Based Second Semester General Physics Laboratory Activities." *Proceedings of the 2014 American Society for Engineering Education (ASEE) Annual Conference & Exposition*. Indianapolis, IN. June 2014

Saed, Mustafa, and Hanen Idoudi. "Security Considerations in WSN-Based Smart Grids." *Int'l Conf. Security and Management | SAM'14* | Las Vegas/USA. July 2014

Saed, Mustafa, **Nizar Al-Holou**, and **Kevin Daimi**. "Centralized Smart Meter-to-Collector Communications Security." *The Society of Digital Information and Wireless Communications (SDIWC)*. Czech Republic. June 2014

**Stevens, Jonathan**, and Kim Utterback. "Computational Study of Mechanisms of Fuel Cell Membrane Polymer Degradation." *Midwest Theoretical Chemistry Conference*. Evanston, IL. 15-17 June 2014

Suleiman, Ahmed, and **Nihad Dukhan**. "Simulation of Convection Heat Transport in Open-Cell Metal Foam." *International Conference on Thermophysical and Mechanical Properties of Advanced Materials*. Izmir/Turkey. (2014)

**Weekes, Carmon V.N.** "African American Parents Addressing Sexuality with their Adolescent Sons: A Multimedia Intervention." *2014 Midwest Nurse Research Society Annual Research Conference*. St. Louis, MO. March 2014

## Conference Presentation

Adla, Rawa, **Nizar Al-Holou**, and **Youssef Bazzi**. "Kalman Filter Based Safety Application." *The 2014 World Congress in Computer Science, Computer Engineering, and Applied Computing*. Las Vegas, Nevada / USA. July 2014

Adla, Rawa, **Nizar Al-Holou, Mohannad Murad**, and **Youssef Bazzi**. "Automotive collision avoidance methodologies Sensor-based and ITS-based." *Computer Systems and applications (AICCSA), the 2013 ACS International Conference*. Morocco. May 2013

**Benvenuto, Mark**. "Chemicals required for chemical extractions from shale: Learning opportunities for our students." *American Chemical Society, Central Regional Meeting*. Pittsburgh, PA. 30 October 2014

**Bhattacharya, Mithu**. "An Empirical Study of RFID Adoption in Retail: Using Technology-Organization-Environment Framework." *45th Annual Meeting of the Decision Sciences Institute*. Tampa, FL, USA. November 2014

**Broughton, Richard**. "Congress As Prosecutor." *Loyola University Chicago Constitutional Law Colloquium*. Chicago, IL. November 2014

**Corrigan, Catherine**, and **Andrea Kwasky**. "Postpartum Support: A Global Assessment of Care." *8th International Council of Nurse, International Nurse Practitioner Conference*. Helsinki, Finland. 18-20 August 2014

Dumais, Natalie, Kaitlyn Kus, **Andrea Kwasky**, and **Catherine Corrigan**. "Practicing Self Awareness within an Urban Context: A Model for Educating Future Nurses." *Urban Health Issues: Impact of the Affordable Care Act Conference*. Detroit, MI. 4 April 2014

**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

**Hu, Hsiao-Lan**. "Buddhist-Feminist Social Ethics and Bhiksuni Chao-Hwei." *The American Philosophical Association Pacific Division Meetings*. San Diego, California, U.S.A. 17-20 April 2014

**Koukal, David**. "Embodied Politics in the Age of the Virtual." *Invited keynote presentation for "Essays of Significance: A Graduate Philosophy Conference"*. Windsor, Canada. 22 March 2014

**Koukal, David**. "Reflections on the Debris of Detroit: a philosophical provocation." *Invited presentation at "Defining Detroit: An Interdisciplinary Conference on Detroit," sponsored by the Economic and Global Affairs Alliance at the University of Michigan*. Ann Arbor, MI. 12 April 2014

**Kwasky, Andrea**, and **Carla Groh**. "Women, Vitamin D and Mood: Solutions for a Global Issue." *8th International Council of Nurses, International Nurse Practitioner Conference*. Helsinki, Finland. 18-20 August 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

**MacDonald, Lorri**. "Constructivist and Inquiry Teaching." *Science Education Forum, Ilia State University*. Tbilisi, Georgia. 13 November 2013

**Munday, Cheryl**. "Recognizing Opportunity in Your Own Backyard: Notes on Developing Practicum Rotations." *Association of Psychology Training Clinics*. San Juan, Puerto Rico. March 2014

**Platt, Maia, Andrea Kwasky**, and Joanne Spetz. "Filling the Gap: Developing Health Economics Competencies For Baccalaureate Nursing Programs." *American Society of Health Economists Conference Health & Healthcare in America: From Economics to Policy*. Los Angeles, CA. 24-25 June 2014

Plenary Panel, Cultural Barriers to Clinical Trial Participation, and **Terri Laws**. "Practical Considerations for Clinical Trial Decision-Making." *Fourth Annual Prostate Cancer Symposium Karmanos Cancer Institute*. Detroit, MI. 20 September 2014

**Sabbaghi, Omid**, and **Gerald F. Cavanagh**. "JPOs - Jesuit Public Offerings." *International Association of Jesuit Business Schools – Colleagues in Jesuit Business Education Annual Meeting*. San Francisco, CA. July 2014

**Schlick, Shulamith, Mariana Pinteala, Marek Danilczuk**, and **Frank Coms**. "Comparing ex situ and in situ fragmentation of sulfonated poly(ether ether ketone) (SPEEK) membranes." *ACS Division of Polymer Chemistry, Polymer Degradation, Performance and Ultimate Stability Symposium, American Chemical Society National Meeting*. San Francisco, CA. 10-14 August 2014

Zauszniewski, Jaclene, **Carla Groh**, and Linda Beeber. "Depression Recognition, Assessment and Intervention: Emerging Psychiatric Mental Health Nursing Research." *American Psychiatric Nurses Association Annual Conference, Pre-conference Panel*. Indianapolis, IN. 22-25 October 2014

## 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/homehealthcareonline/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 Bhikṣuṇī 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.

**Zhong, Xiaohui, Dawn Archey, Linda Slowik, Pamela Zarkowski and Kathleen Zimmerman-Oster.** "ADVANCE IT-Catalyst: Transform UDM," \$198,744 grant from the National Science Foundation.



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