



Detroit Mercy Research & Grants

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

Winter 2018

- ◆ NEA (p. 1)
- ◆ CSA (p. 2)
- ◆ Fulbright (p. 3)
- ◆ Human Subjects (p. 3)
- ◆ Industry 4.0 (p. 4)
- ◆ Effort Reporting (p. 4)
- ◆ NIH R21 (p. 5)
- ◆ Resources (p. 5)
- ◆ Scholarship (pp. 6-12)

NEA funds Design Futures Student Leadership Forum

The Detroit Collaborative Design Center at University of Detroit Mercy recently won a \$35,000 grant from the National Endowment for the Arts (NEA) for the 2018 Design Futures Public Interest Design Student Leadership Forum. This forum takes place from May 21-25 on the University's McNichols campus.

This is the sixth year that the NEA has funded the forum, but this is the first year that Detroit Mercy is hosting the event and the first year the University received NEA funding to support it. This NEA grant will support the development and implementation of the 2018 Design

Futures Public Interest Design (PID) Student Leadership Forum hosted in Detroit. The PID Student Leadership Forum is a five-day, interdisciplinary forum that brings together student leaders from across the country with practitioner and University faculty who are leaders in the Public Interest Design Field.

Detroit Mercy is one of the founding schools behind the forum, the goal of which is to nurture future leaders in the field of Public Interest Design. The DCDC will work closely with Design Futures to plan and hold the forum. This event brings together student leaders from across the country to discuss and explore public inter-

est design — known as PID — both as it is today and what it could be for the future.

Seventy students across a variety of disciplines impacting built environments will be selected from applicants nationwide. The only cost to participants is transportation and the rest is

paid for by the partnership of universities that host the event and federal and private funders.

To learn more about Detroit Mercy's School of Architecture, please visit <https://architecture.udmercy.edu/index.php>.



Design Futures PID Student Leadership Forum 2017

For questions, comments or letters to the editor, please contact
Cate Caldwell, Director, Office of Sponsored Programs and Research Activities
5th floor, Fisher Administration Building
phone: (313) 993-1544
fax: (313) 993-1534
email: caldwecr@udmercy.edu

Detroit Mercy Celebrates Scholarly Achievement

More than 300 members of the Detroit Mercy community participated in the 13th Annual Celebration of Scholarly Achievement, sponsored by Delta Dental of Michigan. The annual event highlights the diverse scholarship of faculty, undergraduate and graduate students and spotlights the impact of Detroit Mercy in industry, design, education, health care and other fields.

This year's event was the largest since the event's inception, showcasing six books, 30 book chapters, 68 journal articles, 10 conference proceedings, and 110 scholarly posters.

Also featured were nine Celebrate Service posters highlighting the important service activities of faculty and students. A diverse array of initiatives from all colleges and schools were represented. The School of Architecture presented about a teaching and learning design course and the Detroit Mercy School of Law discussed their partnership with the Pope Francis Center. The Institute of Leadership and Service presented about the Ford Community Corps Partnership as well as the Emerging Leaders Program.

This year, a Creative Works showcase was held in conjunction with the event. Eight Detroit Mercy employees showcased their creative work, which included photographs, Chinese rice paper, cross-stitch, drawings, and laser cut colored acrylic and LED lights.

Congratulations to all faculty members and students who have published, presented or received an award during the 2017-18 academic year. Your accomplishments heighten the distinction of University of Detroit Mercy.

For more details and event photos, please see the website: <http://libraries.udmercy.edu/archives/achievement/2018/>



Detroit Mercy faculty member wins prestigious Fulbright award

Nihad Dukhan, professor of Mechanical Engineering, has been selected for a prestigious Fulbright Specialist award to Turkey. Dukhan will travel to Yildiz Technical University where he will plan and conduct joint research projects with Turkish graduate students and faculty members focused on metal foam and its applications.

This is Dukhan's second Fulbright award. In 2014-15, he was named a Fulbright Scholar through the Core program, teaching more than 100 undergraduates and collaborating with faculty on research projects at Istanbul Technical University. While residing in Istanbul, Dukhan noted that his Turkish colleagues continually conducted rigorous academic research in which he could identify synergy with his expertise in metal foam technology.

Dukhan will travel to Istanbul in June and spend a month there. He views his visit as a seed for continued future collaboration.

The Fulbright Program is the flagship international educational exchange program sponsored by the U.S. government and is designed to increase mutual understanding between the people of the United States and the people of other countries. The Program operates in more than 160 countries worldwide.

Since its establishment in 1946 under legislation introduced by the late U.S. Senator J. William Fulbright of Arkansas, the Fulbright Program has given more than 370,000 students, scholars, teachers, artists, scientists and other professionals the opportunity to study, teach and conduct research, exchange ideas and contribute to finding solutions to shared international concerns.

For further information about Fulbright Scholar Program, please visit <https://www.cies.org/>. For more information about Detroit Mercy's support for applicants and for testimonials from Detroit Mercy Fulbright scholars, please visit <https://www.udmercy.edu/academics/academic-affairs/fulbright/index.php>

Human Subjects Research Protections, Interim Final Rule, Six-Month Delay

The latest revision to the Federal Policy for the Protection of Human Subjects ("Common Rule") will kick in later to allow more time for organizations to implement the requirements and for stakeholders to comment about whether there is need for an additional delay.

The January 22, 2018 *Federal Register* notice moved the Common Rule's effective date forward six months, from January 19 to July 19, 2018. The 16 federal departments and agencies listed in the notice, which include the Department of Health and Human Services and the National Science Foundation, plan to propose a further delay.

The new regulations attempt to adapt to a changing research environment. The revised rule, issued in January 2017, strengthens protections for research participants while attempting to avoid additional administrative burdens. The current set of regulations has been in place since 1991.

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.
- 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.

More information about the new final rule or the six-month delay can be found on the Health and Human Services website at <https://www.hhs.gov/ohrp/regulations-and-policy/regulations/finalized-revisions-common-rule/index.html>

Ford supports Industry 4.0 consortium led by University of Detroit Mercy

A \$250,000 grant from Ford Motor Company will support a collaborative team of Michigan universities and corporate partners to create a comprehensive, data-driven research report on Industry 4.0, or the Fourth Industrial Revolution. The consortium is unified by the common goal of making the State of Michigan the globally recognized leadership hub of Industry 4.0 technologies and application.

Automation Alley approached Detroit Mercy to serve as the lead academic institution for the two-year project, which began in January 2018. Research focuses on the eight core technologies of Industry 4.0, including the Industrial Internet of Things, robotics, artificial intelligence, big data, the cloud, cybersecurity, advanced materials and additive manufacturing, and modeling, simulation, visualization and immersion.

Participating companies will each partner with an academic institution on a discrete research

project. In exchange for direct support of their university partners, companies will receive advance copies of the consortium's research results. In turn, colleges will gain an understanding of the gap between their curricula and industry's needs.

Automation Alley is providing a platform for the collaboration. In addition to Detroit Mercy, academic partners include Lawrence Technological University, Central Michigan University, Oakland University, Baker College, Macomb Community College and Oakland Community College. Participating companies include Ford, Comau, Eaton, Fanuc, Siemens, TTI Success Insights, Plante Moran, RSM, Workforce Intelligence Network (WIN), and the Michigan Economic Development Corporation (MEDC).

The first publication produced by the consortium was the Automation Alley's 2018 Technology in Industry Report, which was released April 30 at the Detroit Institute of Arts.

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.

More information can be found at

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

Detroit Mercy School of Dentistry Receives NIH Grant

The National Institute of Health (NIH) has awarded a two-year, \$364,800 grant to Eric Krukoni, Associate Professor of Biomedicine at the School of Dentistry, to conduct research on the causative agent of the bubonic plague.

The goal of the project is to understand how the bacterium *Yersinia pestis* is able to thwart the usual antimicrobial mechanisms in human blood that kill most bacteria that spread to the bloodstream. This is a critical step in the disease process as people who succumb to bubonic plague do so after the organism spreads from the lymph nodes to the bloodstream

and overwhelms the body. By understanding this process better, Krukoni and his research team hope to develop anti-plague therapeutics that can be combined with antibiotics to halt this rapidly progressing disease process.

This project was funded through the NIH's R21 grant mechanism, which is intended to encourage exploratory research by providing support for project development in its early and conceptual stages. The grant period began on May 7, 2018.

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/>

Faculty Scholarship Highlights, November 2017 — April 2018

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

Please see the website at <http://libraries.udmercy.edu/archives/achievement/index.php?type=l>

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

Books & eBooks

Caiazzo (ed.), Alfonso, Federico Brugnami (ed.), and **Zheng Zhou (Translator)**. *Orthodontically Driven Corticotomy: Tissue Engineering to Enhance Orthodontic and Multidisciplinary Treatment (Translated to Chinese)*. Wiley/Phoenix Publishing Company, China, 2017.

Daimi, Kevin, Guillermo Francia, Levent Ertaul, Luis Hernandez Encinas, and Eman El-Sheikh. *Computer and Network Security Essentials*. Springer International Publishing, Cham, Switzerland, 2018.

Moran, Katherine, Rosanne Burson, and Dianne Conrad. *The Doctor of Nursing Practice Scholarly Project: A Framework for Success*. Jones and Bartlett Learning, Burlington, MA, 2017.

Soper, Christopher D., **Cristina D. Lockwood**, Bradley G. Clary, and Pamela Lysaght. *Successful Legal Analysis and Writing: The Fundamentals*. West Academic Publishing, St. Paul, MN, 2017.

Weisfeld, Carol Cronin, Glenn E. Weisfeld, and Lisa M. Dillon. *The Psychology of Marriage: An Evolutionary and Cross-Cultural View*. Lexington Books, Lanham, MD, 2018.

Journal & eJournal Articles

Ahmad, Maha. "The Anatomical Nature of Dental Paresthesia: A Quick Review." *The Open Dentistry Journal*, vol. 12 2018, pp. 155-159. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5838625/>.

Ambrosio, Filip, Hana Gadalla, Natasha Kapoor, Anthony L. Neely, and Bassam M. Kinaia. "Surgical Lip Repositioning Procedure to Correct Excessive Gingival Display: A Case Report of Identical Twins." *Clinical Advances in Periodontics OnlineFirst* 2018, pp. e1-21.

Archev, Dawn, Julian Buck, and N. Christopher Phillips. "Centrally Large Subalgebras and Tracial Z-Absorption." *International Mathematics Research Notices*, vol. 2018, no. 6, March 2018, pp. 1857-1877. <https://academic.oup.com/imrn/article/2018/6/1857/2870663?guestAccessKey=468f3c35-3058-4027-af73-c38b6efb01cf>.

Archibald, Catherine Jean. "Transgender Bathroom Rights in the Time of Trump." *Tennessee Journal of Race, Gender, & Social Justice*, vol. 6, no. 2, 2017, pp. 241-274. <https://ssrn.com/abstract=3013852>. †

Atwan, Salwa, James R. Geist, and **Shin-Mey Rose Geist**. "Supernumerary Teeth: Value-Based Guidelines for Management." *Journal of the Michigan Dental Association*, Conlon, Steven M, vol. 99, no. 2, 2017, pp. 42-46.

Belanger, Rachelle M., Kendra R. Evans, Noor K. Abraham, and Kaldoun M. Barawi. "Diminished Conspecific Odor Recognition in the Rusty Crayfish (*Orconectes rusticus*) Following a 96-h Exposure to Atrazine." *Bulletin of Environmental Contamination and Toxicology*, vol. 99, no. 5, 2017, pp. 555-560. †

Blume, Libby Balter, Mark A. Fine, and Robert M. Milardo. "Introduction to the Special Issue: Theorizing Families." *Journal of Family Theory & Review*, Libby Balter Blume, vol. 10, no. 1, 2018, pp. 7-11. <https://onlinelibrary-wiley-com.ezproxy.libraries.udmercy.edu:2443/doi/epdf/10.1111/jftr.12250>.

Burton, Cynthia Z., **Kristen M. Abraham**, Chelsea M. Grindle, Stephanie Visnic, Samantha M. Hack, John F. McCarthy, and Nicholas W. Bowersox. "Outreach to Veterans with Serious Mental Illness Who are Lost to Care: Predictors of Outreach Contact." *Psychological Services*, vol. 15, no. 1, 2018, pp. 40-44.

Butela, Kristen A., Susan M. R. Gurney, Heather L. Hendrickson, Janine M. Leblanc-Straceski, Anastasia M. Zimmerman, **Stephanie B. Conant**, Nikki E. Freed, Olin K. Silander, **Joshua J. Thomson**, Charlotte Berkes, Christina Bertolez, Courtney G. Davies, *Amber Elinky*, Alison J. Hanlon, Juliette Nersesyan, *Payal Patel*, *John Sherwood*, *Tiffany Tieu Ngo*, Kathryn A. Wisniewski, *Kathrine Yacoo*, Paul M. Arendse, Nathan W. Bowlen, *Jasmina Cunmulaj*, Julie L. Downs, Charlee A. Ferrenberg, Alexandra E. Gassman, Cody E. R. Gilligan, *Emily Gorkiewicz*, *Christopher Harness*, *Anthony Huffman*, *Christina Jones*, *Anna Julian*, Alexis E. Kupic, Sayonara F. Latu, Thomas J. Manning, *Danielle Maxwell*, Catherine E. Meyer, *Madeleine Reardon*, Matthew Slaughter, *Royce Swasey*, Rebecca I. Tennent, *Victoria Torres*, *Tamia Waller*, Rachel M. Worcester, Brooke L. Yost, Steven G. Cresawn, Rebecca A. Garlena, Deborah Jacobs-Sera, Welkin H. Pope, Daniel A. Russell, Graham F. Hatfull, and **Jacob D. Kagey**. "Complete Genome Sequences of Cluster A Mycobacteriophages BobSwaget, Fred313, KADY, Lokk, MyraDee, Stagni, and Step-Mih." *Genome Announcements*, vol. 5, no. 43, 2017, pp. 1-3.

<http://genomea.asm.org/content/5/43/e01182-17.full?sid=33caea17-eee3-461f-b464-33112095e19e>.

Calleja, Nancy G., and Ann M. Dadah. "Addressing Faulty Prescribing Practices of Psychotropic Medication Among Court-Involved Children and Adolescents." *The Family Journal: Counseling and Therapy for Couples and Families* OnlineFirst 2018, pp. 1-8.

Doi: [10.1177/1066480717752899](https://doi.org/10.1177/1066480717752899).

Choi, Wonseok, Lawrence E. Zeff, and Mary A. Higby. "Students' Use of Face-To-Face and Computer-Mediated Communication in Group Assignments: A "U-Shaped" Model." *Quarterly Review of Business Disciplines*, Margaret A. Goralski, vol. 4, no. 3, Nov 2017, pp. 263-277.

Demir, Mustafa. "Effects of Virtual Manipulatives with Different Approaches on Students' Knowledge of Slope." *Journal of Interactive Learning Research*, Gary Marks, AACE, United States, vol. 29, no. 1, 2018, pp. 25-50.

DiPaolo, Donald G. "Leadership Education Is Not Enough: Advancing an Integrated Model of Student-Athlete Development." *Journal of Leadership Education*, Jackie Bruce, vol. 16, no. 1, 2017, pp. 216-229. <http://www.journalofleadershiped.org/index.php/2017-vol-16-iss-1/486-leadership-education-is-not-enough-advancing-an-integrated-model-of-student-athlete-development>.

Eisenhauer, Joseph G. "Quantifying the Subjective Value of Certainty." *German Economic Review*, vol. 18, no. 1, 2017, pp. 118-131.

Fischer, David D., Sukumar Kandasamy, Francine C. Paim, Stephanie N. Langel, Moyasar A. Alhamo, Lulu Shao, Juliet Chepngeno, Ayako Miyazaki, Huang-Chi Huang, Anand Kumar, Gireesh Rajashekara, Linda J. Saif, and Anastasia N. Vlasova. "Protein Malnutrition Alters Tryptophan and Angiotensin-Converting Enzyme 2 Homeostasis and Adaptive Immune Responses in Human Rotavirus-Infected Gnotobiotic Pigs with Human Infant Fecal Microbiota Transplant." *Clinical and Vaccine Immunology*, vol. 24, no. 8, 2017, pp. e1-12.

https://dalnet-primohosted.exlibrisgroup.com/primoplore/fulldisplay?docid=TN_medline28637803&context=PC&vid=01DAL_UDM&search_scope=default_scope&tab=default_tab&lang=en_US.

Goncharov, S. S., J. F. Knight, and **I. Souldatos**. "Hanf Number for Scott Sentences of Computable Structures." *Archive for Mathematical Logic* OnlineFirst 2018. <https://doi.org/10.1007/s00153-018-0615-6>. ‡

Greene, Harold H., and James M. Brown. "Where Did I Come From? Where Am I Going? Functional Differences in Visual Search Fixation Duration." *Journal of Eye Movement Research*, vol. 10, no. 1, 2017, pp. 1-13. <https://bop.unibe.ch/index.php/JEMR/article/view/2956>.

Harrison, Mary-Catherine. "Rx for Reading Detroit: Place-Based Social Justice Pedagogy." *Michigan Journal of Community Service Learning*, vol. 23, no. 2, 2017, pp. 117-130.

<https://quod.lib.umich.edu/cgi/p/pod/dod-idx/rx-for-reading-detroit-place-based-social-justice-pedagogy.pdf?c=mjcsloa;idno=3239521.0023.209;format=pdf>. ‡

Hibbard, Todd. "To Err is Human, Unless You're a Prophet: Isaiah and Micah on Prophetic Opposition." *Zeitschrift für die alttestamentliche Wissenschaft*, vol. 130, no. 1, 2018, p. 26-39.

<https://doi.org/10.1515/zaw-2018-1003>.

Hsu, Yung-Ting, Khalid Al-Hezaimi, Pablo Galindo-Moreno, Francisco O'Valle, Abdulaziz Al-Rasheed, and Hom-Lay Wang. "Effects of Recombinant Human Bone Morphogenetic Protein-2 on Vertical Bone Augmentation in a Canine Model." *Journal of Periodontology*, vol. 88, no. 9, 2017, pp. 896-905.

Hsu, Yung-Ting, Yu-Hsiang Chou, Tzu-Hsuan Yang, Yi-Min Wu, Chiung-Lin Huang, and Kun-Yen Ho. "Simultaneous Implant Placement and Guided Bone Regeneration Using a Platelet-Rich Fibrin Membrane: Case Report." *Clinical Advances in Periodontics*, vol. 7, no. 1, 2017, pp. 19-24.

Hsu, Yung-Ting, Guo-Hao Lin, and Hom-Lay Wang. "Effects of Platform-Switching on Peri-Implant Soft and Hard Tissue Outcomes: A Systematic Review and Meta-analysis." *The International Journal of Oral & Maxillofacial Implants*, vol. 32, no. 1, 2017, pp. e9-24.

Kinaia, Bassam M., Kristyn Hope, Ahmad Zuhaili, and Jean Francois Tulasne. "Full-Mouth Rehabilitation with Calvarium Bone Grafts and Dental Implants for a Papillon-Lefèvre Syndrome Patient: Case Report." *The International Journal of Oral & Maxillofacial Implants*, vol. 32, no. 6, 2017, p. e259–264.

Ko, Arthur, and Linda M. Thiel. "Foreign Educated Registered Nurses' Attitudes Toward Evidence-Based Practice: A Descriptive Cross-Sectional Study." *Journal of Nursing Practice Applications & Reviews of Research*, Leo-Felix M. Jurado, vol. 7, no. 1, 2017, pp. 14-21. ‡

Ko, Arthur, and Jill Turner. "Online Resources to Support Clinical Practice." *Home Healthcare Now*, Maureen Anthony, vol. 36, no. 2, 2018, pp. 114-122. <https://www.ncbi.nlm.nih.gov/pubmed/29498991>.

Kwasky, Andrea N., and Mary L. Serowoky. "Yoga to Enhance Self Efficacy: An Intervention for At-risk Youth." *Archives of Psychiatric Nursing*, vol. 32, no. 1, 2018, pp. 82-85. https://dalnet-primo.hosted.exlibrisgroup.com/primo-explore/openurl?ctx_ver=Z39.88-2004&rft.genre=article&ctx_enc=info:ofi%2Fenc:UTF-8&url_ver=Z39.88-2004&url_ctx_fmt=info:ofi%2Ffmt:kev:mtx:ctx&info:ofi%2Ffmt:kev:mtx:ctx&rft_id=info:sid%2Fprimo.exlibrisgroup.com:primo4-article-clinker&rft_val_fmt=info:

Laakso, Meg M., Leocadia V. Paliulis, Paul Croonquist, Brianna Derr, Elena Gracheva, Charles Hauser, Carina Howell, Christopher J. Jones, **Jacob D. Kagey**, Jennifer Kennell, S. Catherine Silver-Key, Hemlata Mistry, Srebrenka Robic, Jamie Sanford, Marisol Santisteban, Chiyedza Small, Rebecca Spokony, Joyce Stamm, Melanie Van Stry, Wilson Leung, and Sarah C.R. Elgin. "An Undergraduate Bioinformatics Curriculum that Teaches Eukaryotic Gene Structure." *Course Source*, vol. 4 2017, pp. 1-9. <https://www.coursesource.org/courses/an-undergraduate-bioinformatics-curriculum-that-teaches-eukaryotic-gene-structure>.

Lin, Yu Peng. "The Productivity Effect of Employee Profit Sharing Programs: A Methodology Note." *Southwestern Economic Review*, vol. 44, no. 2, 2017, pp. 117-130.

Lu, Hai-yan, Wen Wang, **Zheng Zhou**, Chun-yan Liu, Ye Liu, Wei Xiao, Fu-sheng Dong, and Jie Wang. "Treatment of Obstructive Sleep Apnoea-Hypopnea Syndrome by Mandible Advanced Device Reduced Neuron Apoptosis in Frontal Cortex of Rabbits." *European Journal of Orthodontics OnlineFirst* 2017, pp. e1-8.

Masabni, Omar, and Michelle Wheeler. "Evaluation of Calcium Release from Pulp-capping Material Using International Organization for Standardization Guidelines." *Journal of Advanced Oral Research*, vol. 8, no. 1 & 2, 2017, pp. 57-62.

Masabni, Omar, and Maha Ahmad. "Infraorbital Foramen and Pterygopalatine Fossa Location in Dry Skulls: Anatomical Guidelines for Local Anesthesia." *Anatomy Research International*, vol. 2017, pp. 1-4.

Mayberry, Melanie E., Emily Norrix, and Christine Farrell. "MDA Dentists and Pregnant Patients: A Survey of Attitudes and Practice." *Journal of the Michigan Dental Association*, vol. 99, no. 1, 2017, pp. 54-62.

Parvini, Yasha, Ardalan Vahidi, and S. Alireza Fayazi. "Heuristic Versus Optimal Charging of Supercapacitors, Lithium-Ion, and Lead-Acid Batteries: An Efficiency Point of View." *IEEE Transactions On Control Systems Technology*, vol. 26, no. 1, January 2018, pp. 167-180. <http://ieeexplore.ieee.org/document/7872423?reload=true>.

Peltier, Bruce, A. Jeffrey Wood, **Pamela Zarkowski**, David Ozar, and Erica Cehan. "Who Makes the Call? The Challenge of Adolescent Competence and Consent." *Journal of the American College of Dentists*, David W. Chambers, vol. 84, no. 3, 2017, pp. 22-27.

Presbey, Gail. "The Best of Both Worlds: Philosophy in African Languages and English Translation." *APA Newsletter on Indigenous Philosophy*, Curry, Agnes, vol. 16, no. 2, 2017, pp. 7-14.

Razmus, Ivy. "Factors Associated With Pediatric Hospital-Acquired Pressure Injuries." *Journal of Wound, Ostomy, and Continence Nursing*, vol. 45, no. 2, 2018, pp. 107-116.

Relich, Erin, and Durinda Mattana. "Use of Fluoride Varnish in Caries Prevention." *Dimensions of Dental Hygiene*, Kristen Pratt Machado, vol. 15, no. 10, 2017, pp. 53-58. https://dalnet-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=01DAL_UDM_ALMA5149569980003254&context=L&vid=01DAL_UDM&search_scope=default_scope&tab=jsearch_slot&lang=en_US.

Richards, Michelle L. "12 Angry Men v. The Agency: Why Preemption Should Resolve this Conflict in Drug Labeling Litigation." *Marquette Law Review*, vol. 100, no. 4, 2017, pp. 1309-1352.

- Rodrigues, Raquel Viana, Camila Sobral Sampaio, **Rafael Rocha Pacheco**, Fernanda Miori Pascon, Regina Maria Puppini-Rontani, and Marcelo Giannini. "Influence of Adhesive Cementation Systems on the Bond Strength of Relined Fiber Posts to Root Dentin." *The Journal of Prosthetic Dentistry* In Press 2017, pp. 1-7.
- Roucka, Toni M., **Pamela Zarkowski**, Evelyn Donate-Bartfield, and Donald E. Patthoff. "Ethical Obligations and the Dental Office Team." vol. 80, no. 4, Winter 2019, pp. 49-58.
- Rouen, Patricia A.**, and *Brenna R. Wallace*. "The 2015-2020 Dietary Guidelines: Overview and Implications for Nursing Practice." *Home Healthcare Now*, Maureen Anthony, vol. 35, no. 2, 2017, pp. 72-82.
- Rouen, Patricia A.**, and **Mary L. White**. "Dry Eye Disease: Prevalence, Assessment and Management." *Home Healthcare Now*, Maureen Anthony, vol. 36, no. 2, 2018, pp. 74-83.
- Sabbaghi, Omid**, and Navid Sabbaghi. "The Chicago Climate Exchange and Market Efficiency: An Empirical Analysis." *Environmental Economics and Policy Studies*, vol. 19, no. 4, 2017, pp. 711-734.
- Saed, *Mustafa*, **Kevin Daimi**, and **Nizar Al Holou**. "Approaches for Securing Smart Meters in Smart Grid Networks." *International Journal on Advances in Systems and Measurements*, vol. 10, no. 3 & 4, 2017, pp. 265-274.
- Shaw-Gallagher, Marlene**. "How to Interpret Positive Troponin Tests in CKD." *Clinician Reviews*, Karen J. Clemments, Kim Zuber, Jane Davis, vol. 27, no. 10, 2017, pp. 18-19.
<https://www.mdedge.com/clinicianreviews/article/147685/nephrology/how-interpret-positive-troponin-tests-ckd>.
- Shen, *Xiao-qing*, Yuan-ming Geng, Ping Liu, Xiang-yu Huang, Shu-yi Li, Chun-dong Liu, **Zheng Zhou**, and Ping-ping Xu. "Magnitude-Dependent Response of Osteoblasts Regulated by Compressive Stress." *Scientific Reports*, vol. 7 2017, pp. 1-10. [doi:10.1038/srep44925](https://doi.org/10.1038/srep44925).
- Tellier, *Stephanie A.*, and **Nancy G. Calleja**. "Renegotiating Sexuality Following an Acquired Disability: Best Practices for Counselors." *Adultspan Journal*, vol. 16, no. 1, 2017, pp. 47-59. [doi: 10.1002/adsp.12033](https://doi.org/10.1002/adsp.12033).
- Tsang, *Tiffany M.*, *Jeffrey S. Wiese*, *Jamal A. Alhabeil*, Lisa D. Usselman, **Joshua J. Thomson**, Rafla Matti, Malte Kronshage, Natalie Maricic, Shanedah Williams, **Naama H. Sleiman**, Suleyman Felek, and **Eric S. Krukonis**. "Defining the Ail Ligand-Binding Surface: Hydrophobic Residues in Two Extracellular Loops Mediate Cell and Extracellular Matrix Binding To Facilitate Yop Delivery." *Infection and Immunity*, vol. 85, no. 4, 2017, pp. 1-16. <http://ia.asm.org/content/85/4/e01047-15.full.pdf+html>. †
- Turner, Jill A.** "Online Support Groups: The Good, the Bad, and the Motivated." *Journal of Consumer Health on the Internet*, M. Sandra Wood, vol. 21, no. 1, 2017, pp. 11-25.
<http://www.tandfonline.com/eprint/WYucz5ZfgK8Vunn8NXJC/full>.
- Wang, Jiawen**, and **Karen Selby**. "Combining Reading Quizzes and Error Analysis to Motivate Students to Grow." *Education*, vol. 137, no. 4, 2017, pp. 418-429.
- Webber, Elaine**, and **Mary Serowoky**. "Breastfeeding Curricular Content of Family Nurse Practitioners Programs." *Journal of Pediatric Health Care*, vol. 31, no. 2, 2017, pp. 189-195. <http://www.ncbi.nlm.nih.gov/pubmed/27553119>. †
- Xu, Min**, **Jeanne M David**, and **Suk Hi Kim**. "The Fourth Industrial Revolution: Opportunities and Challenges." *International Journal of Financial Research*, Thomas Liaw, St. John's University, United States, editor in chief, vol. 9, no. 2, 2018, pp. 90-95.
<https://doi.org/10.5430/ijfr.v9n2p90> <http://www.sciedupress.com/journal/index.php/ijfr/article/view/13194/8136>.
- Yip, Jeffrey, Kyle Ehrhardt, Hunter Black, and **Dayna O. Walker**. "Attachment Theory at Work: A Review and Directions for Future Research." *Journal of Organizational Behavior*, vol. 39, no. 2, 2018, pp. 185-198. https://dalnet-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_crossref10.1002/job.2204&context=PC&vid=01DAL_UDM&search_scope=default_scope&tab=default_tab&lang=en_US.
- Zakhary, Ibrahim El deeb**, **Karl Wenger**, **Mohammed Elsalanty**, **James Cray**, **Mohamed Sharawy**, and **Regina Messer**. "Characterization of Primary Osteocyte-Like Cells from Rats' Mandible." *Journal of Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology*, Elsevier, vol. 123, no. 1, 2017, pp. 37-43.
- Zarkowski, Pamela**. "Providing Ethical, Culturally Competent Care." *Dimensions of Dental Hygiene*, Jill Rethman, vol. 15, no. 11, 2017, pp. 37-42.

Zepp, Lawrence E., and **Mary A. Higby**. "East Meets West: How Chinese Business Leaders Adapt to and Adopt Western Culture of Success." *Quarterly Review of Business Disciplines*, Margaret Goralski, vol. 3, no. 4, 2017, pp. 261-277.

Book & eBook Chapters

Bachi, Atais, **Rafael Pino Vitti**, **Rafael Rocha Pacheco**, and Eduardo Souza Jr. "Chapter 8: Ceramics Odontológicas (Dental Ceramics)." *Detalhes (Details)*, Souza-Júnior, Eduardo José Carvalho; Mello, Ginger, Plena 2017, pp. 1-30.

Blodgett, Aaron J., and **Jennifer L. Dean**. "Is that Code? Using Google in Undergraduate Math and Computer Science Research." *Teaching Technology in Libraries: Creative Ideas for Training Staff, Patrons and Students*, Smallwood, Carol; Sanborn, Lura, McFarland & Company, Inc., Jefferson, NC 2017, pp. 104-109.

Blume, Libby Balter, and **Rosemary Weatherston**. "Queering the Campus Gender Landscape Through Visual Arts Praxis." *Mapping Queer Space(s) of Praxis and Pedagogy*, McNeil, Elizabeth; Wermers, James E.; Lunn, Joshua O., Palgrave Macmillan, Cham, Switzerland 2018, pp. 71-103.

Burson, Rosanne, and **Kathy Moran**. "Self-Management in Chronic Disease." *Integration of Palliative Care in Chronic Conditions: An Interdisciplinary Approach*, Kuebler, Kim, Oncology Nursing Society, Pittsburgh, PA 2017, pp. 41-53.

Butovskaya, Marina L., and **Zhanna Rozenberg**. "The Changing Family in Russia." *The Psychology of Marriage: An Evolutionary and Cross-Cultural View*, Weisfeld, Carol C.; Weisfeld, Glenn E.; Dillon, Lisa M., Lexington Books, Lanham, MD 2018, pp. 125-140.

DeVoy, Pat. "The Health Services Administrator." *Introduction to Health Services Administration*, Nguyen, Jaime (ed.), Elsevier, St. Louis, MO 2018, pp. 3-13.

DeVoy, Pat. "Test Bank for Introduction to Health Services Administration." *Introduction to Health Services Administration*, Nguyen, Jaime (ed.), Elsevier, St. Louis, MO 2018.

DeVoy, Pat, and Carol Colvin. "Managing Supplies and Inventory." *Introduction to Health Services Administration*, Nguyen, Jaime (ed.), Elsevier, St. Louis, MO 2018, pp. 135-146.

Ericson, Karl, Megan Novell, and **Rosemary Weatherston**. "Beyond Collections: Libraries, Ally Work and the Preservation of Women's, Gender and Sexuality Studies Programs." *Gender Issues and the Library: Case Studies of Innovative Programs and Resources*, Smallwood, Carol; Sanborn, Lura, McFarland & Company, Inc., Publishers, Jefferson, NC 2017, pp. 129-137.

Hill-Vasquez, Heather, and Laurie Ann Britt-Smith. "Do We Really Want the Flies that We Might Catch? Interrogating "Post-Feminist" Lessons for "Success"." *Surviving Sexism in Academia: Strategies for Feminist Leadership*, Cole, Kirti; Hassel, Holly, Routledge, New York, NY 2017, pp. 38-45.

Hsu, Yung-Ting, and Hom-Lay Wang. "Clinical Assessment of the Gingiva and Alveolus." *Implant Aesthetics: Keys to Diagnosis and Treatment*, Karateew, Edward Dwayne, Springer International Publishing, Cham, Switzerland 2017, pp. 103-116.

Hu, Hsiao-Lan. "Buddhism and Sexual Orientation." *Oxford Handbook to Contemporary Buddhism*, Michael Jerryson, Oxford University Press, New York, NY 2017, pp. 662-677.

Lee, Chun-Teh, **Nan-Chieh Huang**, and **Yung-Ting Hsu**. "Periodontics and Implant Esthetics." *Asian Aspects of Periodontology and Implantology*, Shing-Zeng Dung, Tony, Airiti Press, Taipei, Taiwan 2017.

Mattana, Durinda, and **Erin Relich**. "Fluorides." *Clinical Practice of the Dental Hygienist*, Wilkins, Esther, Wolters Kluwer, Philadelphia, PA 2017, pp. 593-618.

Mio, Matthew J. "How to Principles of Green Chemistry Changed the Way Organic Chemistry Labs are Taught at the University of Detroit Mercy." *Sustainable Green Chemistry*, Benvenuto, Mark Anthony (ed.), Walter DeGruyter GmbH, Berlin, Germany 2018, pp. 95-101.

Munday, Cheryl C., **Koyonne R. Mims**, **Ahmar Zaman**, and **Bruce Howard**. "African American Married Couples." *The Psychology of Marriage: An Evolutionary and Cross-Cultural View*, Weisfeld, Carol C.; Weisfeld, Glenn E.; Dillon, Lisa M., Lexington Books, Lanham, MD 2018, pp. 181-194.

Nesbit, Samuel P., Angela Broome, and **Shin-Mey Rose Geist**. "Common Diagnoses in Dentistry." *Diagnosis and Treatment Planning in Dentistry*, Stefanac, Stephen J; Nesbit, Samuel Paul, Elsevier, St. Louis, MO 2017, pp. 24-71.

O'Keefe, Kelly, **Ian J. Moore**, and **Elizabeth M. Hill**. "Cross-Cultural Social/Behavioral Research: Ethical Principles and Review Process-

es." *The Psychology of Marriage: An Evolutionary and Cross-Cultural View*, Weisfeld, Carol; Weisfeld, Glenn; Dillon, Lisa, Lexington Books, Lanham, MD 2018, pp. 283-305.

Pardo, Yobany. "From Machismo to Caballerismo: Mate Guarding Tactics in Latino Men." *The Psychology of Marriage: An Evolutionary and Cross-Cultural View*, Weisfeld, Carol C.; Weisfeld, Glenn E.; Dillon, Lisa M., Lexington Books, Lanham, MD 2018, pp. 165-180.

Plaumann, Heinz. "Switchable Polarity Solvents: Are They Green?" *Sustainable Green Chemistry*, Benvenuto, Mark Anthony (ed.), Walter DeGruyter GmbH, Berlin, Germany 2017, pp. 29-33.

Porcerelli, John H., and *John Jones.* "Chapter 3: Psychological Assessment in Integrated Care: An Overview." *Handbook of Psychological Assessment in Primary Care Settings, 2nd Ed.*, Maruish, Mark, Routledge, New York, NY 2017.

Presbey, Gail M. "Odera Oruka on Culture Philosophy and Its Role in the S.M. Otieno Burial Trial." *Odera Oruka in the Twenty-First Century*, Oduor, Reginald M. J., Nyarwath, Oriare, and Owakah, Francis E. A., Council for Research in Values and Philosophy, Washington, D.C 2018, pp. 99-118.

Presbey, Gail M. "Oruka and Sage Philosophy: New Insights in Sagacious Reasoning." *The Palgrave Handbook of African Philosophy*, Afolayan, Adeshina; Falola, Toyin, Palgrave MacMillan, New York, NY 2017, pp. 75-96.

Presbey, Gail M. "Philosophy of Nonviolence in Africa." *The Routledge Handbook of Pacifism and Nonviolence*, Fiala, Andrew, Routledge, New York, NY 2018, pp. 64-79.

Roche, Jason. "Preserving Detroit by Preserving Its Baseball History." *Why Detroit Matters: Decline, Renewal, and Hope in a Divided City*, Doucet, Brian (ed.), Policy Press, c/o The University of Chicago Press, Chicago, IL 2017, pp. 135-155.

Rouen, Patricia. "Aligning Design, Method and Evaluation with the Clinical Question." *The Doctor of Nursing Practice Scholarly Project: A Framework for Success*, Moran, Katherine; Burson, Rosanne; Conrad, Dianne, Jones and Bartlett Learning, Burlington, MA 2017, pp. 347-373.

Shiland, Betsy, and **Pat DeVoy.** "Health Care Professionals and Settings." *Introduction to Health Services Administration*, Nguyen, Jaime (ed.), Elsevier, St. Louis, MO 2018, pp. 14-34.

Silveri, Annamaria, and **Maria Faustina Samayoa.** "Beyond the Honeymoon: Physical Attraction and Its Role throughout Marriage." *The Psychology of Marriage: An Evolutionary and Cross-Cultural View*, Weisfeld, Carol C.; Weisfeld, Glenn E.; Dillon, Lisa M., Lexington Books, Lanham, MD 2018, pp. 211-222.

Stack, Margaret, and **Carrie A. F. Nantais.** "God Help Us: Spirituality and Religiosity in Marriage." *The Psychology of Marriage: An Evolutionary and Cross-Cultural View*, Weisfeld, Carol C.; Weisfeld, Glenn E.; Dillon, Lisa M., Lexington Books, Lanham, MD 2018, pp. 223-235.

Stack, Margaret. "Causes of Marital Conflict: Reflections from a Clinician Working with Couples." *The Psychology of Marriage: An Evolutionary and Cross-Cultural View*, Weisfeld, Carol C.; Weisfeld, Glenn E.; Dillon, Lisa M., Lexington Books, Lanham, MD 2018, pp. 307-315.

Wang, Jiawen, and **Carol Cronin Weisfeld.** "The Changing Family in China." *The Psychology of Marriage: An Evolutionary and Cross-Cultural View*, Weisfeld, Carol C.; Weisfeld, Glenn E.; Dillon, Lisa M., Lexington Books, Lanham, MD 2017, pp. 107-124.

Weisfeld, Carol Cronin, **Annamaria Silveri,** and **Ellen Fedon-Keyt.** "The American Families in the 21st Century" Some Things Are Changing, Some Are Not." *The Psychology of Marriage: An Evolutionary and Cross-Cultural View*, Weisfeld, Carol C.; Weisfeld, Glenn E.; Dillon, Lisa M., Lexington Books, Lanham, MD 2018, pp. 149-164.

Weisfeld, Carol Cronin, **Ellen Keyt-Fedon,** Michael J. R. James, *Samantha Lewis,* and **Emilia D. Shinne.** "Getting Started: The Construction, Properties, and Applications of the MARQ." *The Psychology of Marriage: An Evolutionary and Cross-Cultural View*, Weisfeld, Carol C.; Weisfeld, Glenn E.; Dillon, Lisa M., Lexington Books, Lanham, MD 2018, pp. 25-39.

Weisfeld, Glenn E., and **Carol Cronin Weisfeld.** "The Mysteries of Marriage: Its Functions, Evolution, and Development." *The Psychology of Marriage: An Evolutionary and Cross-Cultural View*, Weisfeld, Carol C.; Weisfeld, Glenn E.; Dillon, Lisa M., Lexington Books, Lanham, MD 2018, pp. 3-23.

Weisfeld, Glenn E., **Carol Cronin Weisfeld,** and Stefan M. M. Goetz. "Toward a Model of Marriage." *The Psychology of Marriage: An Evolutionary and Cross-Cultural View*, Weisfeld, Carol C.; Weisfeld, Glenn E.; Dillon, Lisa M., Lexington Books, Lanham, MD 2018, pp. 317-334.

Zarkowski, Pamela. "Ethical and Legal Issues." *Darby's Comprehensive Review of Dental Hygiene*, Blue, Christine, M., Elsevier, St. Louis, MO 2017, pp. 707-742.

Zeitz,Carolynn A. and Teresa Butler Duncan. "The Pediatric Patient." *Clinical Practice of the Dental Hygienist*, Wilkins, Esther, Wolters Kluwer, Philadelphia, PA 2017, pp. 853-875.

Published Conference Proceedings

Daimi, Kevin. "A Security Architecture for Remote Diagnosis of Vehicle Defects." *The Thirteenth Advanced International Conference on Telecommunications (AICT 2017)*, Venice, Italy, 25-29 June 2017.

Ross, Robert A., E. Prasad Venugopal, Meghann Norah Murray, Gary P. Hillebrand, and Matthew Gonderinger. "Gender Effects in a General Physics Laboratory Assessment." *2017 ASEE Annual Conference & Exposition*, Columbus, OH, 25-28 June 2017.

Sego, T. J., **Yung-Ting Hsu,** Tien-Min Gabriel Chu, and Andres Tovar. "Towards the Optimal Crown-to-Implant Ratio in Dental Implants." *ASME 2017 International Design Engineering Technical Conferences & Computers & Information in Engineering Conference*, Cleveland, Ohio, 6-9 August 2017.

Snyder, Katherine, and **Kevin Daimi.** "The Application of Software Engineering to Moving Goods Mobile App." *The 15th International Conference on Software Engineering Research and Practice (SERP' 17)*, Las Vegas, NV, 17-20 July 2017.

Snyder, Katherine, and **Kevin Daimi.** "Securing Ford Mobility System - GoodTurn." *The Thirteenth International Conference on Networking and Services (ICNS 2017)*, Barcelona, Spain, 21-25 May 2017.

Stanard, Virginia. "Lafayette Park: In-Between Urbanism." *105th Association of Collegiate Schools of Architecture (ACSA) Annual Meeting*, Detroit, MI, 23-25 March 2017.

Wang, Jiawen, Joslen Letscher, Chaomin Luo, and **Russell W. Davidson III.** "Gamification as One Approach to Student-Centered Education." *2017 National Social Science Association Conference*, Las Vegas, NV, 9-11 April 2017.

Faculty & Employee Awards

Daimi, Kevin, Mustafa Saed, Scott Bone, and *John Robb.* "Securing Vehicle's Electronic Control Units." *Best Paper Award*, International Academy, Research, and Industry Association.

Daimi, Kevin, Mustafa Saed, Scott Bone, and Muhammad Rizwan. "Securing Vehicle ECUs Update Over the Air." *Best Paper Award*, International Academy, Research, and Industry Association.

Hsu, Yung-Ting. "Fellowship to the Institute for Teaching and Learning in the Health Professions." *Fellowship to the Institute for Teaching and Learning in the Health Professions*, American Academy of Periodontology Foundation.



UNIVERSITY OF
**DETROIT
MERCY**
Build A Boundless Future