

Winter 2015

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UDM Joins Howard Hughes Medical Institute's Science Education Alliance

The University of Detroit Mercy has been accepted into the prestigious Howard Hughes Medical Institute's Science Education Alliance. UDM is one of 17 universities this year joining the Alliance through the Science Education Alliance Phage Hunter's Advancing Genomics and Evolutionary Science (SEA-PHAGES) program beginning in the summer of 2015.

As a member of the Alliance, faculty and undergraduate students in the Department of Biology of the College of Engineering and Science will participate in a three-year national phage genomics research project, in conjunction with faculty and students at more than 70 colleges and universities around the country.

"The College of Engineering and Science has a strong track record of involving undergraduates in true scientific discovery," said Gary Kuleck, dean of the college and professor of biology. "This program is an unparalleled opportunity for our students to participate in authentic research from day one of their college experience, learning to think and act as scientists. It also gives faculty the op-

portunity to integrate innovative teaching and research components into the curriculum."

Stephanie Conant, associate professor of biology, and Jacob Kagey, assistant professor of biology, will jointly oversee and run the project in the coming academic year.



HHMI established the Alliance in 2007 and the SEA-PHAGES program has been a major component of the success of SEA. SEA-PHAGES includes a two-part, year-long course that enables students to make discoveries by doing research on bacterial viruses, called phage. Participating classes isolate phage and decode the genomes, making significant contributions to the field of genomics.

The overarching goal of the SEA is to assist exciting and innovative science programs for undergraduates that will encourage them to enter research as a career. SEA-PHAGES is entering its eighth year with 17 new schools selected to take part in Cohort 8. Participating schools are selected through national competition.

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MCACA Grant Brings Live Theatre to Disadvantaged Youth

The University of Detroit Mercy Theatre Company won an \$11,250 grant from the Michigan Council for Arts and Cultural Affairs (MCACA) that included funding from the National Endowment for the Arts (NEA) to produce a 50-minute musical adaptation of Judith Viorst's beloved children's book, "Alexander and the Terrible, Horrible, No Good, Very Bad Day." The Company produced ten performances at the UDM Grounds Coffeehaus and toured the production to three Detroit elementary schools and the Boll Family YMCA in downtown Detroit in March and April 2015. Thirty-One UDM students were involved with the Alexander Project.

One of the project's primary goals was to provide a live theatre experience to economically disadvantaged students in the city of Detroit. In order to enhance their learning, the Theatre Company partnered with UDM's Department of Education and Department of Psychology to create a curriculum packet for local educators, adhering to current common core standards. The curriculum can be found online at



UDM Theatre Company performing "Alexander..." in front of the Davison Elementary School in Hamtramck, Michigan.

http://liberalarts.udmercy.edu/programs/depts/performing_arts/theatre/season/play4/

The Theatre Company also partnered with RX for Reading Detroit, another UDM-led program, to include readings of the book that inspired the production. The Alexander Project read to 40 groups of students at local libraries, elementary schools, and head-start programs between February and April 2015.

According to Project Director Greg Grobis, at the heart of the Alexander Project is a strong belief well expressed by Jane Alexander, former chair of the National Endowment for the Arts: "Theatre is a clear window into the mind, the soul, the heart of humankind... Theatre brings life to learning." The UDM Department of Performing Arts and Theatre Company believe the arts are a vehicle for social change in which they can offer theatrical experiences at the crossroads of faith and justice to artists and audiences. The Theatre Company believes that theatre and arts education is a social justice issue.



UDM Theatre Company performing "Alexander..." at the Bagley Elementary School in Detroit.

Flinn Foundation Grant Addresses Trauma Symptoms in Youth

Nancy Calleja, professor and chair of the Department of Counseling and Addiction Studies at UDM, in collaboration with Spectrum Child and Family Services, won a \$180,000 grant from the Ethel and James Flinn Foundation to implement an evidence-based treatment for youth in the justice system who have experienced trauma. The evidence-based treatment that is being implemented, *Trauma-Focused Cognitive Behavioral Therapy* (TF-CBT), is designed to address and effectively resolve trauma symptoms. Calleja and the project staff are most interested in addressing trauma to promote positive long-term life outcomes for these adolescents.

Calleja collaborated on the development of the proposal and serves as the project consultant and evaluator. As the project designer and evaluator, Calleja has developed a fidelity assessment to ensure the treatment is implemented as designed and an outcomes evaluation to measure treatment outcomes. The clinical team, consisting of two therapists, a case manager, and a supervi-

sor, have completed all orientation and training activities and have begun implementing the intervention. The intervention begins with the completion of a standardized trauma screening inventory to identify youth with trauma symptoms (i.e., Trauma Symptom Inventory, Trauma Symptom Checklist for Children) and a pretest/baseline of functional ability followed by an offer to participate in the intervention for those with trauma symptoms.

The two year treatment program that will span calendar years 2015-2016 intends to provide trauma treatment to a total of 150 Wayne county youth, identified with significant trauma symptoms and functional impairment.

The project team anticipates four major outcomes from the project: 1) significant reduction in trauma symptoms; 2) significantly improved overall functioning; 3) reduced short-term rates of relapse into criminal behavior; and 4) reduced long-term rates of relapse into criminal behavior.

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>

UDM Celebrates Second Annual Research and Scholarly Achievement Days

More than 250 members of the UDM community participated in research-focused events and activities during the second annual Research and Scholarly Achievement Days, sponsored by Delta Dental of Michigan. These events highlight the diverse scholarship of faculty, undergraduate and graduate students and spotlight the impact of UDM in industry, design, education, health care and other fields.

The cornerstone event, Celebration of Scholarly Achievement, showcased 10 books, 10 book chapters, 74 journal articles, 31 conference proceedings, 3 non-print projects/electronic presentations, 66 posters, and 4 student awards. One faculty member and one Ph.D. candidate also made oral presentations.

This year's activities also featured presentations by UDM faculty members who received internal

research grants during the 2014-15 academic year. Researchers discussed a diverse range of topics, including the impact of herbicides on the ability of crayfish to find food, teaching innovations in the gross anatomy lab, and empowering peer support specialists in the mental health workplace. Finally, a panel of faculty members who recently completed research leaves discussed the results of their projects. In all, 12 UDM faculty members, students and administrators presented their research results to colleagues.

Congratulations to all faculty members and students who have published, presented or received an award during the 2014-15 academic year. Your scholarly accomplishments heighten the distinction of University of Detroit Mercy.

For more details and event photos, please see the website: http://research.udmercy.edu/find/special_collections/digital/csa/.



10th annual Celebration of Scholarly Achievement, Publications, Posters and Projects



UDM students presenting a poster at the 10th annual Celebration of Scholarly Achievement

IRB FAQs

Any research involving human subjects must be submitted to the IRB for review. In the last installment of IRB FAQs, we covered what constitutes research, and what constitutes human subjects, according to the Common Rule. However, some research activities may be exempt from review, though a researcher may not exempt his or her own project. The researcher must request an exemption from the IRB chair, in UDM's case, Dr. Elizabeth Hill. According to Federal regulations, six categories of research are exempt from an IRB review. 1) Research conducted in established educational settings involving normal educational practices. This includes research on instructional strategies or studies on the effectiveness of instructional techniques or curricula. 2) Research involving the use of educational tests, survey procedures or observation of public behavior, unless information is obtained in such a manner that human subjects can be identified, or disclosure of human subjects' responses could place them at risk of criminal or civil liability or be damaging to their financial standing, employability, or reputation. 3) Research involving the use of educational tests, survey procedures, interview procedures or observation of public behavior not exempt under (2), if subjects are elected or appointed public officials or candidates for public office, or federal statutes require that the confidentiality of the personally identifiable information will be maintained throughout the research and thereafter. 4) Research involving the collection or study of existing data, documents, records, pathological specimens, or diagnostic specimens, if these sources are publicly available or if the information is recorded by the investigator in such a manner that subjects cannot be identified, directly or through identifiers linked to the subjects. 5) Research projects subject to the approval of Federal department or agency heads which are designed to study, evaluate, or examine public benefit or service programs, and 6) Taste and food quality evaluation and consumer acceptance studies. If a researcher determines that his project is exempt, he or she should still fill out the IRB application forms and submit them to the IRB chair, who will make the final determination as to whether an exemption can be granted. Forms can be found on UDM's IRB website: <http://www.udmercy.edu/academicaffairs/ospra/irb/index.htm> The IRB FAQ column in future issues of the newsletter will address additional questions about expedited reviews and full board reviews, as well as questions about our IRB training program, www.citiprogram.org.

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 October 2014—April 2015

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/>

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- Garibaldi, Antoine M.** "The Expanding Gender and Racial Gap in American Higher Education." *The Journal of Negro Education*. 83.3 (2014): 371-384
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Bağcı, Özer, **Nihad Dukhan**, and Mustafa Özdemir. "Flow Regimes in Foam-Like Highly Porous Media." *10th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics*. Orlando, FL. 14-16 July 2014‡

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