News from the University
STEMM Education Center

The University STEMM Education Center recently hosted a colloquium designed to build and foster connections between Cleveland State University and local schools. The keynote speaker was the immediate past president of the National Council of Teachers of Mathematics, Linda Gojak, and her talk was titled "STEMM Education: Fostering School University Connections."

Cleveland State University has substantial research and scholarly activity related to STEMM - Science, Technology, Engineering, Mathematics, and Medicine Education. In 2014, there are over $9.5 million active dollars in grants - and there are faculty engaged in STEMM related activity from multiple colleges, including the Washkewicz College of Engineering, the College of Education and Human Services and the College of Sciences and Health Professions. In addition, there are collaborative relationships with the Cleveland Municipal School District.

For more information, visit the CSU STEMM Education Center website.

Proposal Development Workshop

The Office of Research is pleased to announce that the participants for the 2014 Proposal Development Workshop have been announced. The primary goal of the workshop is to help faculty researchers develop a competitive proposal that is ready for submission to a federal agency in response to a solicitation/RFP.

FSI, FRD, and DRA Award Announcements

The Office of Research is pleased to announce the award decisions for the Faculty Scholarship Initiative (FSI), Faculty Research and Development (FRD), and Dissertation Research Award (DRA) internal funding programs. The Office of Research would like to thank the members of the University Research Council for their thoughtful, quality reviews for all 2014-2015 FSI, FRD, and
DRA proposals, and to congratulate the recipients of these awards on their successful proposals.

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The Office of Research encourages you to consider using SPIN, an extensive research funding opportunity database. SPIN contains over 40,000 opportunities from more than 10,000 sponsors.

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Click [here](#) for more information.

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**Featured Researcher Video Series**

Dr. Karla Hamlen’s research is the focus of the latest installment of the Featured Researcher Video series. Dr. Hamlen is an Assistant Professor of Educational Research in the Department of Curriculum and Foundations at Cleveland State University. Her research interests include uses of video games and new media, and ways in which these influence cognition and learning in children and young adults. We encourage you to learn about Dr. Hamlen’s work, and to take a look at our previous Featured Researcher Videos.

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**CSU Scholar News**

Dr. Moo-Yeal Lee, assistant professor in the Department of Chemical and Biomedical Engineering, and his colleagues recently published an article in the prestigious journal *Nature Communications*. In their article, Dr. Lee and his colleagues report on a new type of microarray biochip they have developed that can mimic drug metabolism in human livers and predict likely adverse drug reactions. Dr. Lee and his graduate students are currently working on further developing the biochip technology. Click [here](#) for more information.

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Please share with us important news or updates on your research, scholarly, or creative activities. Updates may be related to a paper that has been accepted for publication in a high-impact journal, a book you’ve just published, your work that will be exhibited at a prominent institution, or other updates you wish to share with our office. Send details to [j.yard@csuohio.edu](mailto:j.yard@csuohio.edu)
News from the Technology Transfer Office

A team of researchers from CSU’s Department of Chemistry, including Dr. Bin Su, Dr. Aimin Zhou, Dr. Yan Xu, were recently awarded a patent issued through the U.S. Patent and Trademark Office entitled "Amide Derivatives of Benzene-Sulfonanilide, Pharmaceutical Composition Thereof and Method for Cancer Treatment Using the Same."

On April 25, 2014, the University filed a provisional application entitled "Energy Efficient Wifi Tethering on a Smartphone." The technology allows for more energy efficient uses of smartphones and was developed through a collaboration between Dr. Chansu Yu from the Department of Electrical and Computer Engineering and researchers from POSTECH University in South Korea.

The Cleveland State University Research Corporation (CSURC) entered into an option agreement with YST Technologies Ltd., a university spin out formed by Dr. Siu-Tung Yau. The agreement grants YST Technologies the exclusive rights to several University patents in order to further assess the market potential for the technology. YST Technologies has developed a novel device that can be used to accelerate fermentation processes and devices that can detect reactants at the zepto molar concentration level.

For further information on these technologies or opportunities for licensing, please contact Robert J. Brown, director of the Technology Transfer Office.

This newsletter is compiled and published by

The Office of Research

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