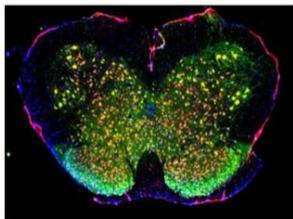


Research

UIC



UIC COLLEGE OF
UNIVERSITY OF ILLINOIS PHARMACY
Chicago • Rockford

September 2015

Dear Colleagues,

Welcome to the monthly research update. Our goal is to share news, events and our successes and keep everyone informed. Please e-mail [Martina Vaskova](#) with any material you would like to see included in future issues.

[Visit our Website](#)

**COLLEGE
OF PHARMACY
CHICAGO
ROCKFORD**



Getting to know our faculty members

\$9M in NIH funding to study botanicals for human health

On September 1, 2015, [the UIC Botanical Center](#) was awarded a new five-year center grant (P50AT000155-16), entitled, "Botanical Dietary Supplements for Women's Health," by the Office of Dietary Supplements and the National Center for Complementary and Integrative Health of the National Institutes of Health (NIH). This grant extends NIH support for the UIC Botanical Center that began in 1999 through the year 2020. The mission of the UIC Botanical Center will continue to be the investigation of safety and efficacy of botanical dietary supplements used by menopausal women as alternatives to conventional hormone therapy.



[The UIC Botanical Center](#) is lead by [Dr. Richard B. van Breemen](#) and is one of only three Botanical Dietary Research Centers to be funded by the NIH's Office of Dietary Supplements and National Center for Complementary and Integrative Health.

[Read more.](#)

NIH-funded Natural Products Technology Center will serve as a national resource

The UIC Center for Advancing Natural Products Innovation and Technology has been funded for five years under the leadership of its



PI, [Dr. Guido Pauli](#), professor of medicinal chemistry and pharmacognosy. This project seeks to establish the UIC Natural Products Technology Center to serve as a national resource and provide leadership for the advancement of innovative technologies and methods used in natural products research. The program develops, adapts and shares cutting edge approaches in separation, structural analysis, and biomedical mass spectrometry technologies for chemical and biological investigations that will transform the current state-of-the-art characterization of natural health products. The integrated program will be a unique resource to be maintained within the highly interdisciplinary pharmacognosy research environment at UIC and will be made broadly available for translational clinical research involving dietary supplements and other natural products.

NIH awarded nearly \$35 million for natural product research in three Botanical Dietary Supplements Research Centers and two Centers for Advancing Natural Products Innovation and Technology. UIC has been awarded one of the [Botanical Dietary Supplements Research Centers grants](#) as well as one of the Centers for Advancing Natural Products Innovation and Technology grants.

[Read more.](#)

Modeling the Female Reproductive Tract in 3-D: The Birth of EVATAR™

EVATAR™ is a miniaturized 3-D representation of the female reproductive tract and liver on a handheld, interconnected platform. The team of scientists from Northwestern University, Charles Stark Draper Laboratory and UIC College of Pharmacy lab lead by [Dr. Joanna Burdette](#) is designing the model for use in drug testing and to study the basic biology of female reproduction.



By more closely representing a woman's reproductive biology and cycling hormones, EVATAR™ could help researchers overcome the limits of understanding female physiology using animals or cells grown in a lab. The platform also could help scientists understand the various cancers, sexually transmitted infections and benign tumors that can affect female reproductive organs. In addition, researchers will be able to use EVATAR™ to predict whether a candidate drug, vaccine or biologic agent is safe or toxic in humans in a faster and more cost-effective way than is possible with current methods.

The ultimate goal is to integrate EVATAR™ with [Tissue Chip programs](#) other organ-on-chips to make an integrated model of a human body on a chip, enabling scientists to test the varying effects of a drug across the entire body before testing it in people.

Source: [NIH NCATS Feature Story](#) posted on August 2015.

[Read the full story.](#)

[Meet Chip.](#)

Spotlight on our Trainees

Image competition is now open: We need your help!

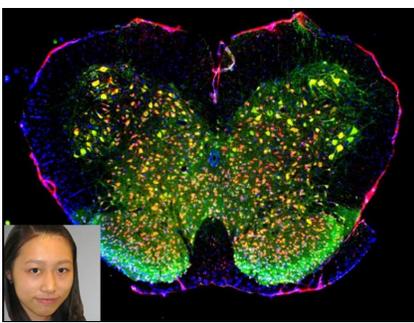
This competition offers COP trainees the opportunity to submit digital images created in the course of their research and is open to any student enrolled in one of the COP programs or postdoc currently working in the College.

We need your images! Please help us to show the range of research taking place in COP. Your images will be used to promote, advance and represent our College both in printed and digital media. We will also

showcase each entry in the new "Image of the week" feature on our website.

Big thanks to our webmaster, Nevo Band, for building new user-friendly (and nice looking) website for the Image Competition. Click on the link below.

[Submit your image before the 10/19 deadline.](#)



Who is who in the 2015 graduate student class

Not sure who are the new students in your department? Check out the link below for pictures of our 2015 graduate student class. **Big thanks to the Office of Advancement team** for assembling this visual aid.

Specifically, to **Skylar Carlson, Anna Franklin** and **Chris Gummert** who went without food and drink at our Pharmapalooza picnic and tirelessly kept documenting our new arrivals.



[See who is who in the 2015 incoming graduate student class.](#)

Foundation for Women's Wellness Fellowship Goes to Laura Cook

Congratulations to Laura Cook, a postdoc in Mike Federle's lab. She has been selected as one of only two recipients of the Foundation for Women's Wellnes (FWW) Krulewitz Women's Health Fellowship Award for 2015.



[Read more.](#)

More Research News

UIC Campus Research Committees, what they do, who is going and what's new

[Research Resources Center Executive Advisory Panel and Advisory Committee](#)

To provide advice and recommendations concerning the management of the RRC in terms of continuing the development of progressive, service oriented programs that are responsive to the needs of the faculty.

Joanna Burdette

[Information Technology Governance Council-Research-High Performance Computing Cluster Executive Governance Committee](#)

To facilitate research at UIC. To understand user requirements and make required changes to adjust to researcher's needs in the general-purpose cluster.

Daniel Touchette

Todd Lee

[OVCR Research Advisory Council](#)

The Research Advisory Council (RAC), an advisory body composed of Associate Deans for Research in each of the UIC Colleges, provides counsel and feedback, as well as recommendations to the Vice Chancellor for Research regarding research-related thrust areas and policies, procedures, and guidelines on research administration.
Joanna Burdette

Important Dates/Upcoming Events

[UI Cancer Center Research Forum abstract submission deadline](#)

10/5/15

[Argonne Postdoctoral Research and Career Symposium](#)

10/8/15

Argonne National Laboratory

[Leadership Panel with Women Scientists and Engineers](#)

10/8/15

Baxter

[Deadline to apply for Hospira/Pfizer R&D PDP](#)

10/9/15

[Deadline to enroll: Grant Writing for New Investigators](#)

10/12/15

[Research Opportunities in Europe Forum](#)

10/16/15

Hotel Monaco

[Image Competition](#) for graduate students and postdocs

10/19/15

Image submission deadline

[UI Cancer Center Research Forum](#)

10/20/15 at 9 am

Student Center West

[CBC Symposium: The Unseen Majority: Microbes in Health and Disease](#)

10/23/15 from 9 am - 6 pm

Northwestern University Feinberg School of Medicine

[Hospira/Pfizer R&D Professional Development Program Presentation](#)

10/27/15 at 9:30 am

134-3

[LOI for the CRB/OVCR Pilot Grant Deadline](#)

10/27/15 at noon

[Future of Research Chicago Conference](#)

10/29/15 8 am - 7 pm

Prentice Hospital Conference Center, Northwestern University

[Treating Women Differently: The Case for Sex-Based Medicine](#)

10/30/15 11:30 am - 5:30 pm

Prentice Hospital Conference Center, Northwestern University

[College Teaching Bootcamp](#)

11/20/15

MBRB Room 1152

[Save the Date: College of Pharmacy Research Day](#)

Friday 2/26/16

[View all College of Pharmacy Events](#)

***Office of the Associate Dean for Research
and Graduate Education***

Joanna E. Burdette, PhD, Associate Dean for Research and Graduate Education

John L. Nitiss, PhD, Assistant Dean For Research

Seungpyo Hong, PhD, Director of Graduate Education

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