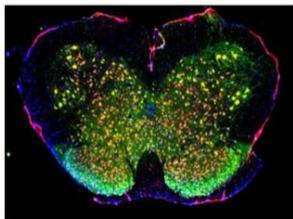


Research

UIC COLLEGE OF PHARMACY



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Chicago • Rockford

August 2015

Message from Dr. Joanna Burdette, Associate Dean for Research and Graduate Education

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.



This month, we welcome 32 new graduate students to our departments. We are glad that you have chosen College of Pharmacy for your research career. As we welcome you, we also want to highlight accomplishments of our current trainees. Read more in the **Spotlight on our Trainees** section.

And if you have missed our biggest story of July, read about Ribo-T below.

[Visit our Website](#)

Getting to know our faculty members

First artificial ribosome opens path to designer drugs

The artificial ribosome, called Ribo-T, was created in the laboratories of [Alexander \(Shura\) Mankin](#), director of the Center for Biomolecular Sciences, and Northwestern



University's Michael Jewett, assistant professor of chemical and biological engineering. In their [study](#), published in the journal Nature, the authors describe the design and properties of a ribosome with subunits that will not separate.

[Read the full Ribo-T story.](#)

The work in [Mankin laboratory](#) is funded by grants from NIH, NSF and pharmaceutical industry and produces six or more publications each year. Main areas of research include molecular mechanisms of protein synthesis, mechanisms of antibiotic action and resistance.

Shura has been recognized both internally and externally for his scholarship, creativity and leadership. Recently, he has been appointed as a [UIC Distinguished Professor](#).

Spotlight on our Trainees

Congratulations on new research funding and travel awards!

Our students and postdocs continue to succeed in competing for funding. **Laura Gauthier** (pictured; Pauli lab) received F31 fellowship from National Center for Complementary & Integrative Health. **Mary Tang** (Gemeinhart lab) traveled to Scotland to present her research with support



from the Controlled Release Society. **Kibum Kim** (PSOP) has won a scholarship from the Korean American Scientist and Engineers Association.

[View all trainee news.](#)

Congratulations to two new CCTS PECTS Scholars!

The Center for Clinical and Translational Science (CCTS) Pre-Doctoral Education for Clinical and Translational Scientists (PECTS) Program provides support for select PhD candidates who are preparing for careers as translational researchers.



Maryam Elfeki (Murphy lab; left) and **Dulari Jayawardena** (Onyuksel lab) have been named 2015 PECTS Scholars.

[Read about the CCTS PECTS Scholar Program.](#)

Our PharmD/PhD class grows to six students

This fall, Karol Sokolowski joins our PharmD/PhD class, bringing the total of current students to six. Karol was accepted to PhD program in the Biopharmaceutical Sciences. Meet the [PharmD/PhD students](#).



Read more about [PharmD/PhD](#) joint degree program.

1st Research miniSymposium was a success

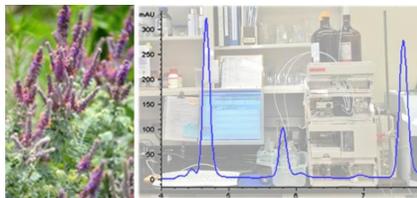
On July 23, 2015, [ASPET SURF](#) and [Riback](#) Fellows presented their research projects during the 1st Research miniSymposium. A group of volunteer judges from our graduate students, postdocs and fellows selected winners in each main category.



[Read more.](#)

New Scholarship: Dr. George Aynilian Family Fund for Ph.D. Students in Pharmacognosy

Dr. **George H. Aynilian** received his B.S. in Pharmacy and M.S. in Pharmacognosy from American University of Beirut in 1968 and 1970 respectively. He received his Ph.D. in Pharmacognosy from the UIC College of Pharmacy in 1973, having had Professor Norman R. Farnsworth as his major advisor.



In creating the **Dr. George Aynilian Family Fund for Ph.D. Students in Pharmacognosy** in the College of Pharmacy at the University of Illinois at Chicago, Dr. Aynilian acknowledges the assistance the College offered him for four years, from 1970 to 1974. With humble gratitude, he hopes with the Fund to repay a portion of what he received.

[Read more.](#)

Meet our new graduate students at Pharmapalooza Picnic



Mark your calendars for September 1 at 3:30 pm and join us in front of MBRB to welcome new graduate students. We are expecting 32 new trainees, with 15 joining the Department of Medicinal Chemistry and Pharmacognosy, 7 the Department of Biopharmaceutical Sciences, and 5 each entering the Forensic Science program and the Department of Pharmacy Systems, Outcomes and Policy. Our current students are busy planning the food, games and more. And yes, there will be drinks.

[Add it to your calendar.](#)

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

Debra Tonetti

RRC update:

RRC and campus leadership continue working on a solution that would economize services without negatively affecting RRC's ability to support research. This includes eliminating several higher level and staff positions as well as re-purposing of existing staff and equipment. Two new cores were started without major new funding: **Single Cell Analysis Core** and **Genome Editing Core**.

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

ITGC update:

New UIC.edu website launched Tuesday, August 11 with new design that follows UIC's new brand guidelines and is responsive to screen size, making for a consistent experience across desktops, tablets and mobile phones. The site highlights various programs, initiatives, people, centers and institutes. The plan is to rotate new content onto the site on a regular basis . [Check it out.](#)

[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

[Pharmapalooza](#) to welcome new graduate students to the College

9/1/15 at 3:30 pm

MBRB Lawn

[Grantsmanship: Crafting Your New NIH Biosketch](#)

9/3/15 at 10 am

School of Public Health, Auditorium

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

9/15/15

Image submission part of competition opens

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

10/23/15 from 9 am - 6 pm

Northwestern University Feinberg School of Medicine

Northwestern Memorial Hospital - Feinberg Pavilion

Conference Center, 3rd floor

251 East Huron Street Chicago, Illinois, 60611

Below is list of events that are coming up but do not yet have set date. Monitor the website and watch out for e-mail announcements.

[Vahlteich Research Awards](#) for faculty members

late October

[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

Seungpyo Hong, PhD, Director of Graduate Education

Hyunyoung Jeong, PharmD, PhD, Acting Director of Graduate Education (Fall 2015)

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