“SCIENCE, FOR ME, GIVES A PARTIAL EXPLANATION FOR LIFE. IN SO FAR AS IT GOES, IT IS BASED ON FACT, EXPERIENCE AND EXPERIMENT.”

DR. ROSALIND FRANKLIN
1920–1958
ACADEMIC ACHIEVEMENT IS IN OUR DNA

Rosalind Franklin University of Medicine and Science (RFU) is named for Dr. Rosalind Franklin, the pioneering British researcher who captured “Photograph 51” of the “B” form of DNA in 1952 while at King's College London. This photograph revealed the structure of DNA, the key to understanding how the blueprint for every living thing is passed down from generation to generation.

Today, Rosalind Franklin University of Medicine and Science carries on her legacy of inquiry, diligence and academic excellence. Formed in 1912 as the Chicago Hospital-College of Medicine, the university is a national leader in interprofessional medical and healthcare education.

OUR MISSION

The mission of Rosalind Franklin University of Medicine and Science is to serve humanity through the interprofessional education of health and biomedical professionals, and the discovery of knowledge dedicated to improving wellness. Today, the university is shaping the future of health care through rigorous education, pioneering biomedical research and innovative community service.

OUR VISION

The vision of Rosalind Franklin University of Medicine and Science is to be the premier interprofessional health sciences university. Sharing our accomplishments and contributing to the evidence base for science, interprofessional education and practice will help build a safer, more responsive, coordinated system of patient care, prevention and wellness.

OUR VALUES

Civility · Diversity · Excellence · Innovation · Integrity · Scholarship · Teamwork
At Rosalind Franklin University of Medicine and Science, we believe in breaking down academic barriers. We take an interprofessional approach to education, so our students learn from and work with peers in other specializations from the beginning of their time here.

That's especially important, as healthcare teams play an increasingly vital role in medicine. At RFU, we prepare students for the future by integrating collaboration and teamwork into education. Having more than 30 graduate health professions and science programs in one university creates great opportunities to do that.

Additionally, each first-year student in our clinical programs takes the Foundations for Interprofessional Practice course during the fall quarter. This class, which acts as the foundation for an integrated interprofessional education experience, brings students from all academic programs together to learn from one another, get oriented to the culture of health care and start interacting in small, interprofessional teams.
COLLEGE OF PHARMACY

The College of Pharmacy (COP) is the newest college at RFUMS and graduated its first class in 2015. The program focuses on exciting opportunities in a variety of career paths, including community pharmacy, health systems, industry, academia and public health.

As with other schools at RFUMS, interprofessional education separates the College of Pharmacy from other pharmacy programs. The rapid change in delivery of care is helping to drive the expansion of pharmacy’s scope of practice. From the first day, our students attend classes with peers studying other disciplines, and they learn from them along with the faculty.

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Progress is not possible without new knowledge. It is expected that our faculty (and many of our students) will participate in the search for new knowledge, whether that search is carried out in a laboratory, a clinical setting or a classroom. This booklet documents the research and scholarship achievements of the College of Pharmacy during the past academic year (July 1, 2017 - June 30, 2018). In these pages you will find the peer-reviewed scientific publications, books, book chapters, reviews, presentations at scientific meetings and research grant accomplishments of our faculty and students. We also list the nationally prominent speakers who have visited RFU as speakers in our Haim G. and Jane Graumann Nagirner Weinstein endowed seminar series.

Throughout this document, we use bold text to indicate College of Pharmacy contributors, and an asterisk* to indicate student, resident and postdoctoral contributors.

We are once again proud to share with you the research and scholarship contributions of our college.

D. Eric Walters, PhD
Associate Dean for Research

Marc S. Abel, PhD
Dean, College of Pharmacy
When research and scholarship efforts produce interesting and important results, the scholar submits these results for publication in scholarly journals. But before the results can be published, they must undergo rigorous review by other experts in the field. Peer-reviewed publications have met the standards set by these experts. The following list of peer-reviewed publications represents significant efforts from College of Pharmacy faculty and students.


ABSTRACTS AND PRESENTATIONS

An important aspect of the sharing of new knowledge is the presentation of that knowledge in oral or poster format. This happens at regional, national and international conferences, and in the form of invited seminars. The College of Pharmacy has produced an impressive list of such presentations, listed here.


PRESENTATIONS WITHIN THE UNIVERSITY

Dalia A. Aguilar*. Interprofessional Approach in Improving Patient Safety Utilizing Guardrails Editor Software. All School Research Consortium (ASRC), March 21, 2018, Poster Presentation, RFUMS, North Chicago, IL.


Bridget Fleming*, Soyoung Chang*, Kristy Shanahan and John K. Buolamwini. hTERT Incorporation into Yeast Cells. Summer Research Poster Session, October 18, 2017, RFUMS, North Chicago, IL; All School Research Consortium (ASRC), March 21, 2018, Poster Presentation, RFUMS, North Chicago, IL.


Ateequr Rahman, Yelena Sahakian* and Rahul Deshmukh. Economic Impact of Caregiving for Dementia Patients. All School Research Consortium (ASRC), March 21, 2018, Student Research Talk and Poster Presentation, RFUMS, North Chicago, IL.


Lauren B. Angelo. National Faculty Presenter. APhA’s Delivering Medication Therapy Management Services Faculty Training Program. Marshall Ketchum University, Fullerton, CA. February 26, 2018.

Lauren B. Angelo. National Faculty Presenter. APhA’s Pharmacy-Based Immunization Delivery Faculty Training Program. Florida Pharmacists Association, Orlando, FL, July 12, 2017; Chicago State University, Chicago, IL, December 12, 2017; Purdue University, Indianapolis, IN, June 26, 2018.


Research and scholarship takes many forms, and it often requires significant resources. Success in competition for research funding can provide such resources and further the discovery of new knowledge.
The following list highlights such successes by College of Pharmacy faculty:


D.M. McCarthy, PI. EHR-based medication complete communication (EMC2) Strategy to promote safe opioid use. Abbie E. Lyden, Co-investigator. AHRQ, 9/12/14 - 8/31/17.

THE HAIM AND JANE NAGIRNER W CENTENNIAL SYMPOSIUM SERIES
2017–2018
Our seminar program is generously supported by an endowment from Haim G. Nagirner Weinstein and Jane Graumann Weinstein. Dr. Nagirner was a research scientist at the North Chicago Veterans Administration facility and a Chicago Medical School faculty member with interests in geriatric health care and pharmacy.

THURSDAY, SEPTEMBER 7, 2017
DR. KLARISSA D. JACKSON, LIPSCOMB UNIVERSITY
METABOLISM AND BIOACTIVATION OF ANTI-CANCER TYROSINE KINASE INHIBITORS BY CYTOCHROME P450 ENZYMES

MONDAY, SEPTEMBER 18, 2017
DR. RUINEN ZHANG, UNIVERSITY OF HOUSTON
TARGETING NFAT1 AND MDM2 PATHWAYS FOR CANCER THERAPY AND PREVENTION

MONDAY, OCTOBER 16, 2017
JENNIFER TON, AUDENTES THERAPEUTICS
STARTING WITH THE PATIENT: CONSIDERATIONS FOR DEVELOPING A BIOLOGIC DRUG PRODUCT MANUFACTURING PROCESS WITH THE END IN MIND

MONDAY, NOVEMBER 20, 2017
DR. ROBERT J. DIDOMENICO, UNIVERSITY OF ILLINOIS AT CHICAGO
USING PRACTICE-BASED RESEARCH TO RESOLVE DRUG-RELATED PROBLEMS & IDENTIFY OPPORTUNITIES FOR PHARMACISTS

WEDNESDAY, JANUARY 10, 2018
DR. JOANNA E. BURDETT, UNIVERSITY OF ILLINOIS AT CHICAGO
THE IMPORTANCE OF THE FALLOPIAN TUBE IN OVARIAN CANCER AND STRATEGIES FOR THERAPY USING A NOVEL AUTOPHAGY INHIBITOR

FRIDAY, APRIL 20, 2018
DR. ROBERT J. DEVITA, ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
SMALL MOLECULE DRUG DISCOVERY: TRANSITIONING FROM INDUSTRY TO ACADEMIA

TUESDAY, MAY 8, 2018
DR. MARC H. SCHEETZ, MIDWESTERN UNIVERSITY
CLINICAL RESEARCH: THE DEVIL IS IN THE DETAIL
THE PERSONAL SIDE OF HEALTH CARE

The College of Pharmacy focuses on opportunities in a variety of career paths, including community pharmacy, health systems, industry, academia and public health. Individual attention in a small class size, as well as experience in a state-of-the-art patient simulation laboratory, puts students at the forefront of modern pharmacy practice.

As with other schools at RFU, interprofessional education separates the College of Pharmacy from other pharmacy programs. The rapid change in delivery of care is helping to drive the expansion of pharmacy’s scope of practice. From day one, students collaborate in teams, learning about, from and with one another’s profession, and how, together, they each impact the future of health care.

EXCELLENT MEDICAL CARE IS THE PRODUCT OF A GREAT TEAM

We teach that patients are not only at the center of the model of care, but also an active member of that team. Students learn that outcomes improve through positive patient interactions and clear communication. During their training, students sharpen those interactions, along with critical reasoning and communication skills, in simulation labs. Our program provides immunization training and puts students in contact with actual patients early in their first quarter.

STATE-OF-THE-ART FACILITIES:

The RFU 97-acre campus is home to cutting-edge technology used throughout the curriculum, and even has a Department of Healthcare Simulation. Examples of advanced systems that RFU students use include:

PHARMACY SKILLS LAB: Dedicated to learning communication and technical skills needed in the pharmacy field, this new lab gives students hands-on experience in many areas of contemporary pharmacy practice such as clinic, hospital or neighborhood pharmacy.

THE EDUCATION AND EVALUATION CENTER: Students perform clinical histories and patient assessments on standardized patients within this safe, learner-centered environment.

THE SIMULATION AND SKILLS LAB: This is home to several full-body mannequin simulators that can mimic dilating pupils, breathing and circulation. These allow students to have realistic experiences on an interprofessional team in a risk-free setting.

INNOVATION AND RESEARCH PARK: The Innovation and Research Park, envisioned as a three-phase, three-building development, will offer, beginning with the steel and glass structure to be completed in fall of 2019, a fertile environment for collaboration and creativity among academic and industry scientists, innovators and entrepreneurs. The 100,000 square feet of laboratory and office space will increase interaction, the free exchange of ideas and a sharing of expertise and scientific tools.

HANDS-ON FUTURES

Through experiential rotations, student pharmacists learn the possibilities their degree has to offer.
CONTACT US FOR MORE INFORMATION

COLLEGE OF PHARMACY

Rosalind Franklin University of Medicine and Science
3333 Green Bay Road
North Chicago, IL 60064-3095

pharmacy.admissions@rosalindfranklin.edu

847-578-3204

rosalindfranklin.edu

facebook.com/cop

Rosalind Franklin University of Medicine and Science is regionally accredited by the Higher Learning Commission and all programs are approved by the Illinois Board of Higher Education. Rosalind Franklin University of Medicine and Science College of Pharmacy’s Doctor of Pharmacy program is accredited by the Accreditation Council for Pharmacy Education, 135 South LaSalle Street, Suite 4100, Chicago, IL 60503-4810; Phone: 312-664-3575; Fax: (866) 228-2631; Website: www.acpe-accredit.org.