“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

The Rosalind Franklin University of Medicine and Science (RFUMS) 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 in 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 ACADEMIC PROGRAMS INCLUDE:
- Doctor of Medicine through the Chicago Medical School
- Doctor of Podiatric Medicine through the Dr. William M. Scholl College of Podiatric Medicine
- Doctor of Pharmacy through the College of Pharmacy
- Masters and doctoral programs through the College of Health Professions, including nurse anesthesia, nutrition, physical therapy, pathologists’ assistant studies and physician assistant practice
- Advanced biomedical degrees through the School of Graduate and Postdoctoral Studies

OUR MISSION

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

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 programs from the beginning of their time here.

That’s especially important, as healthcare teams play an increasingly vital role in patient care. At RFUMS, 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 introduction for an integrated interprofessional education experience, brings students from virtually all academic programs together to learn from one another, get oriented to the culture of health care and start interacting in small, interprofessional teams.
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.

CONTENTS

INTRODUCTION ................................................................. 6
PEER-REVIEWED PROFESSIONAL PUBLICATIONS ........ 8
BOOKS, BOOK CHAPTERS & OTHER PUBLICATIONS .......... 10
ABSTRACTS & PRESENTATIONS ........................................ 12
GRANTS ............................................................................. 16
NAGIRNER WEINSTEIN SYMPOSIUM SERIES .................. 18
INTRODUCTION
The generation of new knowledge is critical to the improvement of health. New results and approaches allow us to ask new questions that expand our understanding of human health and disease; and integration of this new knowledge furthers our ability to treat and prevent disease. In these pages we recognize the research and scholarship achievements of the faculty and students of the College of Pharmacy. From its founding, the College of Pharmacy has fostered and valued these efforts, and our faculty embraces them through their involvement in research and scholarship, in addition to their teaching responsibilities. Throughout their careers, our students will have the responsibility to transform new knowledge into healthcare practice, and many of them will be directly involved in the generation of that new information.

Here we celebrate the research and scholarship achievements of the past academic year (July 1, 2015–June 30, 2016). In these pages you will find the peer-reviewed scientific publications, books, book chapters, reviews and presentations at scientific meetings, and research grant accomplishments of our faculty and students. We also list the nationally prominent speakers who have visited RFUMS as speakers in our Haim G. and Jane Graumann Nagirner Weinstein endowed seminar series.

We are proud to follow the example of our namesake, Rosalind Franklin, in our dedication to the research mission of our university.

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.


Scientists and scholars who have accumulated significant expertise and respect from their peers are often asked to share their knowledge in the form of a book or a book chapter. Several College of Pharmacy faculty members have contributed such works during the past year.


ABSTRACTS & 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.


Seul Hong, Smitha Padharia, Jonathan Pham, Ashley Ronquillo, Rahul Deshmukh and Ateequr Rahman. The Impact of Caregiving in Dementia Patients on the Healthcare Utilization of Caregiver. Summer Research Poster Session, Rosalind Franklin University, October 21, 2015.


EXTERNAL SEMINAR PRESENTATIONS

Lauren B. Angelo. APhA’s Pharmacy-Based Immunization Delivery Certificate Training Program, co-presented for the Florida Pharmacists Association (October 2015), Ohio Northern University (November 2015), the University of Florida (February 2016) and the University of Montana (June 2016).

Lauren B. Angelo. APhA’s Pharmacy-Based Immunization Delivery Faculty Training Program, co-presented for Ohio Northern University (November 2015), the University of Florida (February 2016) and the University of Montana (June 2016).


John K. Buolamwini. Discovery of Novel Agents Against Heart Disease, Cancer or HIV/AIDS. Department of Medicinal Chemistry and Pharmacognosy, College of Pharmacy, University of Illinois-Chicago, January 2016.

John K. Buolamwini. Design and Discovery of Novel Agents for Cardiovascular, Cancer and Viral Diseases. Department of Chemistry and Biochemistry, Northern Illinois University, DeKalb, IL, September 2015.

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.

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**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.

Our seminar program is generously supported by an endowment from Haim G. Nagirner Weinstein and Jane Grauman 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.

**MONDAY, SEPTEMBER 14, 2015**
Dr. Shivaputra Patil, Rosalind Franklin University
Identification of Initial Hits as Anticancer Agents: A Medicinal Chemistry Approach

**MONDAY, OCTOBER 26, 2015**
Dr. Michael J. Koronkowski, University of Illinois-Chicago
Notable Achievers: Eponym or Historical Footnotes and Why Both Matter

**MONDAY, NOVEMBER 16, 2015**
Dr. Adam Persky, University of North Carolina
Why Are Thinking Skills So Hard to Develop and What Can We Do About It?

**WEDNESDAY, DECEMBER 9, 2015**
Dr. Philip Chaikin
Principles of Clinical Pharmacology to Optimize Patient Care and Expedite Drug Development — Lessons from the Past

**WEDNESDAY, DECEMBER 16, 2015**
(JOINT WITH MCS SEMINAR SERIES)
Dr. William E. Evans, St. Jude Children’s Research Hospital
Genome Variation Alters the Efficacy and Toxicity of Antileukemic Agents: From Molecular Mechanism to Clinical Translation

**THURSDAY, DECEMBER 17, 2015**
Dr. William E. Evans, St. Jude Children’s Research Hospital
Pharmacogenomics: A Cornerstone of Precision Medicine for Cancer

**FRIDAY, FEBRUARY 12, 2016**
Dr. Nathan E. Goldfarb, California Health Sciences University
Drug Discovery for Infectious Diseases

**MONDAY, MARCH 7, 2016**
Dr. Amanda Bryant-Friedrich, University of Toledo
Modified Nucleic Acids in the Study of Disease Etiology and Drug Development

**THURSDAY, APRIL 14, 2016**
Dr. John E. Macor, Bristol-Myers Squibb
Heterocycles as Bioisosteres in the Discovery of Orally Active CGRP Receptor Antagonists for the Treatment of Migraine
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 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 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 RFUMS 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 RFUMS 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.

HANDS ON FUTURES

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

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