

# 2,086 STUDENTS 30+ ACADEMIC PROGRAMS 1 UNIVERSITY

NKLI

## **MISSION**

To serve humanity through the interprofessional education of health and biomedical professionals, and the discovery of knowledge dedicated to improving wellness.

## **VISION**

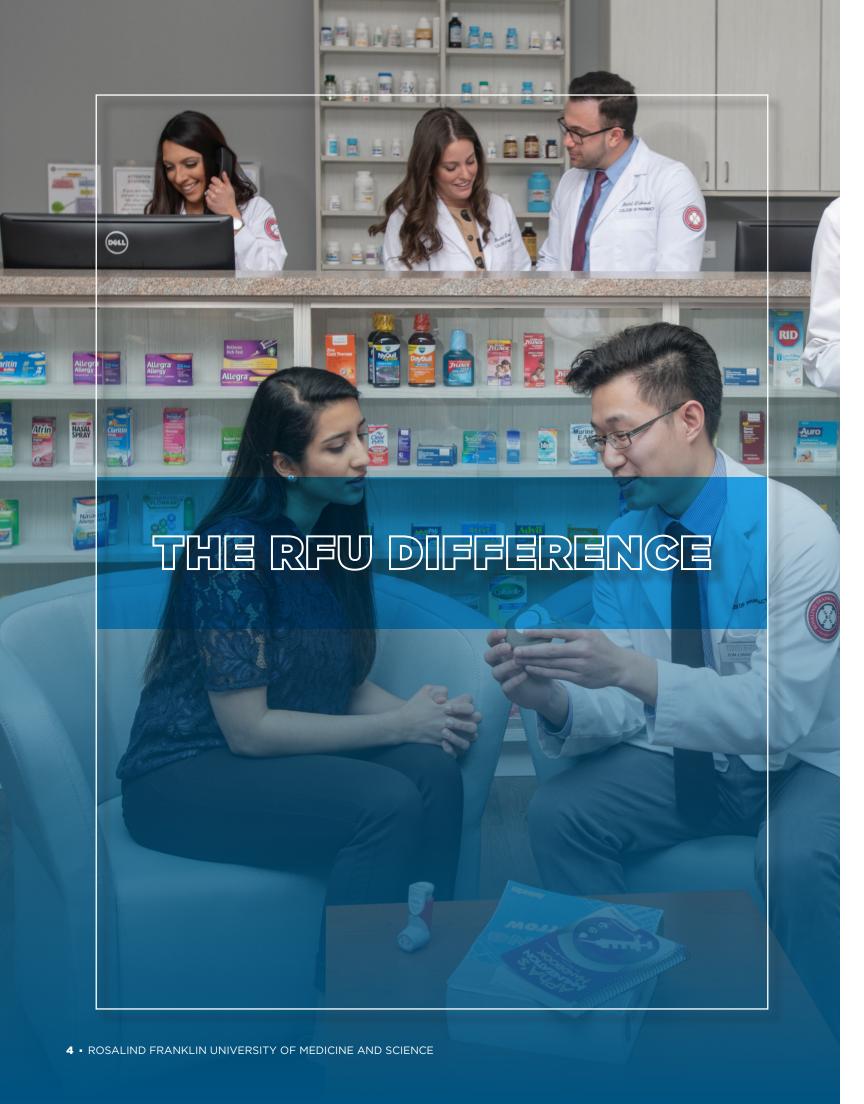
To be the premier interprofessional health sciences university.

## **CORE VALUES**

Civility · Diversity · Excellence · Innovation Integrity · Scholarship · Teamwork

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### THE ROSALIND FRANKLIN UNIVERSITY DIFFERENCE

#### 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 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 which starts 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.

### **COLLEGE OF PHARMACY**

The College of Pharmacy graduated its first class in 2015, and is one of six colleges within RFU. 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 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 the first day, our students attend classes with peers studying other disciplines and they learn from them along with the faculty.

### **DISCOVER A CAREER IN PHARMACY**

Studying for your PharmD at Rosalind Franklin University of Medicine and Science will immerse you in interprofessional education. You'll learn alongside students from other programs in a patient-centered educational environment that fosters an understanding and appreciation of the roles everyone on a healthcare team plays.

### **ADVANCING THE FUTURE OF PHARMACY**

As the pharmacy profession evolves to meet the changing demands of the healthcare industry, RFU's College of Pharmacy is responding with an innovative curriculum that includes early and frequent experiential clinical rotations to provide exposure to many aspects of the profession.



### **INTRODUCTION**

The following pages document the research and scholarship accomplishments of the faculty and students of the College of Pharmacy during the past academic year. The discovery and dissemination of new knowledge is an important part of each faculty member's responsibilities, and it is especially satisfying when we can involve our students in these endeavors. Research and scholarship activities in the college cover a wide range of topics, from the laboratory to the clinic to the classroom. Academic year 2020-21 was particularly challenging, as the COVID-19 virus continued to hinder efforts to meet and to carry out many kinds of research. Nevertheless, a great deal was accomplished in the tenth year of our Summer Research Program.

Each year we also list the names of those who have been invited speakers in our endowed seminar series. We are fortunate to be able to bring in outstanding scientists and clinicians from all over the country, so that they can share their discoveries with us. This is made possible by the generosity of the Haim G. Nagirner Weinstein and Jane Graumann Weinstein endowment.

Throughout this document, we use bold text to indicate College of Pharmacy contributors, and an asterisk\* to indicate student, resident and postdoctoral contributors. We use the symbol "^" to indicate interprofessional items.

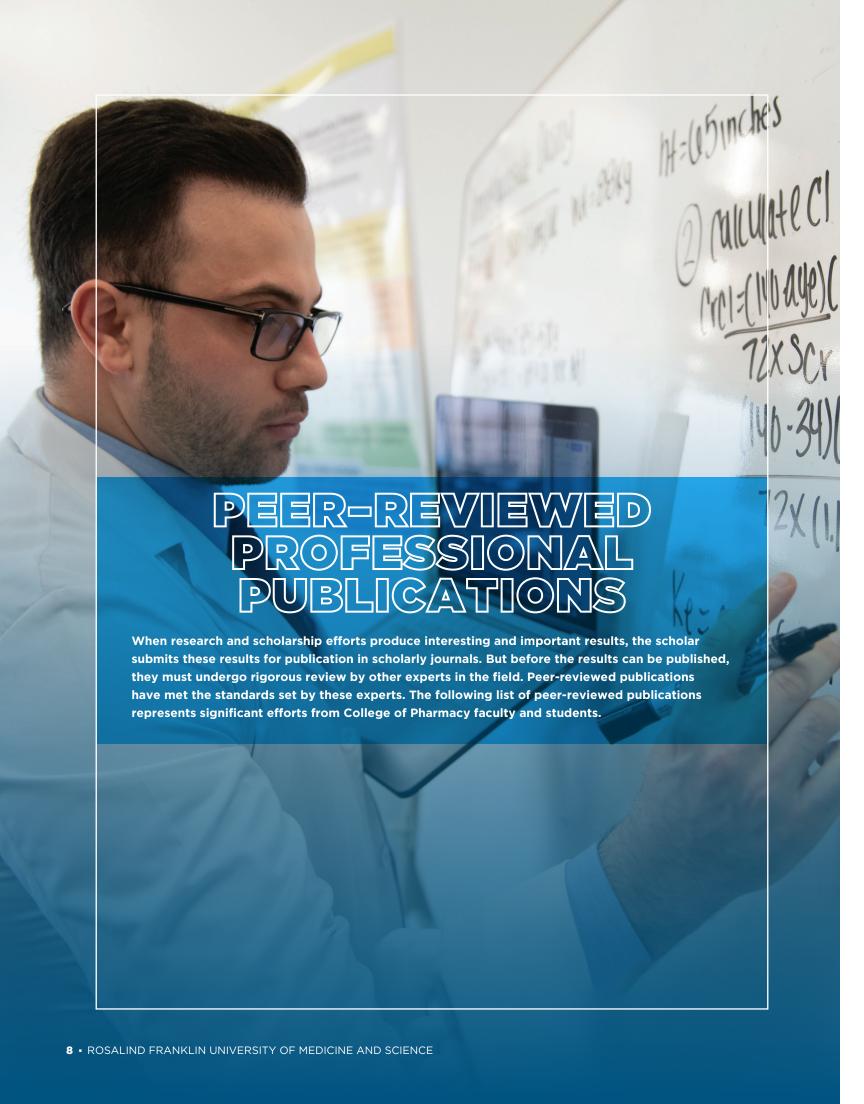
### Marc S. Abel, PhD

Director of Research

### **Scott Hanes, PharmD**

Interim Dean, College of Pharmacy





### PEER-REVIEWED PUBLICATIONS

Sharda N, **Ahlschwede KM**, Curran GL, Lowe VJ, Kandimalla KK. Distinct uptake kinetics of Alzheimer disease amyloid-ß 40 and 42 at the blood-brain barrier endothelium. J Pharmacol Exp Ther. 2021: 376: 482-490.

Swaminathan SK, Zhou AL, **Ahlschwede KM**, Curran GL, Lowe VJ, Li L, Kandimalla KK. High-density lipoprotein mimetic peptide 4F efficiently crosses the blood-brain barrier and modulates amyloid-ß distribution between brain and plasma. J Pharmacol Exp Ther. 2020; 375: 308-316.

Swaminathan SK, Zhou AL, **Ahlschwede KM**, Curran GL, Lowe VJ, Li L, Kandimalla KK. HDL mimetic peptide 4F efficiently crosses the blood-brain barrier and modulates amyloid beta distribution between brain and plasma. J Pharmacol Exp Ther. 2020; 377.

**Angelo LB**. Shared decision-making for vaccines. J Am Pharm Assoc 2020;60(6): e55-e59. doi: 10.1016/j. japh.2020.05.010.

**Bertram CM**, Postelnick M, Mancini CM, Fu X, Zhang Y, Schultz LT, Bhowmick T, Lee F, Blumenthal KG. Association of beta-lactam allergy documentation and prophylactic antibiotic use in surgery: A national cross-sectional study of hospitalized patients. Clin Infect Dis. 2020; ciaa1762, https://doi.org/10.1093/cid/ciaa1762.

**Blake WD\***, **Rivera V\***, **Woloszyn C\***, **Patel K**, **Srivastava S**. Review of continuous glucose monitors: Technology and beyond. The Journal of PSW. July/August 2021.

Zhang Y, Le Y, **Bu P**, Cheng X. Regulation of Hox and ParaHox genes by perfluorochemicals in mouse liver. Toxicology. 2020 Aug; 441:152521. PMID: 32534105.

Murray M, Lin J, Stein B, Wilcox M, **Cottreau J**, Postelnick M, Palella F. Relationship of Polypharmacy to HIV RNA Suppression in People Age 50 and Older Living with HIV. HIV Medicine. 2021 Jun 2. Online ahead of print. doi: 10.1111/hiv.13122.

Almalki B, **Cunningham K**, Kapugi M, Kane C, Agrawal A. Management of hyperkalemia: A focus on kidney transplant recipients. Transplant Rev. 2021;35(2):100611.

**Cunningham K**, **Candelario DM**, **Angelo LB**. Non-Aspirin Non-Steroidal Anti-Inflammatory Drugs: Update on Dosage Formulations and Adverse Effects. Orthop Nurs. Nov/Dec 2020;39(6):408-413.

Wang W, Wang X, Rajaei M, Youn JY, Zafar A, **Deokar H**, **Buolamwini JK**, Yang J, Foster JH, Zhou J, Zhang R. Targeting MDM2 for Neuroblastoma Therapy: In Vitro and In Vivo Anticancer Activity and Mechanism of Action. Cancers (Basel). 2020 Dec 5;12(12):3651.

Punganuru SR, Zhao VW, Rajaei M, **Deokar H**, Zhang R, **Buolamwini JK**, Srivenugopal KS, Wang W (2020). Targeted brain tumor therapy by inhibiting the MDM2 oncogene: In vitro and in vivo antitumor activity and mechanism of actions. Cells 2020, 9(7), 1592; 01 Jul.

**Dume R**, Lammers E. Demystifying Cannabis: A Review of Its Pharmacology, Use in Pain, and Safety Concerns. Orthopaedic Nursing. July 2020;39(4)264-267.

Bunting, SR, Calabrese, SK, **Garber SS** et al. Where Do Health Professions Students Learn About Pre-exposure Prophylaxis (PrEP) for HIV Prevention?. Med.Sci.Educ. 2021; 31:423-427. ^

### **PEER-REVIEWED PUBLICATIONS**

Bunting SR, Chirica MG, Ritchie TD, Garber SS, Batteson TJ. LGBT Health. 2021; 1:79-87, Jan 2021. ^

Bunting SR, Chirica MG, Ritchie TD, **Garber SS**, Batteson TJ. A National Study of Medical Students' Attitudes Toward Sexual and Gender Minority Populations: Evaluating the Effects of Demographics and Training. LGBT Health. 2021; 1:79-87 Jan 2021.

Bunting SR, **Garber SS**, Goldstein RH, Calabrese SK, Ritchie TD, Batteson TJ, Health Profession Students' Awareness, Knowledge, and Confidence Regarding Preexposure Prophylaxis: Results of a National, Multidisciplinary Survey, Sexually Transmitted Diseases: 2021; 1:25-31 Jan 2021.

Patil Noonikara-Poyil A, Joshi SD, **Patil SA**, Lewis AM, Bugarin A. Synthesis, molecular docking studies, and in vitro evaluation of 1,3,5-triazine derivatives as promising antimicrobial agents. Journal of Molecular Structure, 2020, 1220, 128687.

Kandathil V, Siddiqa A, Patra A, Kulkarni B, Kempasiddhaiah M, Sasidhar BS, **Patil SA**, Rout CS. NHC-Pd complex heterogenized on graphene oxide for cross-coupling reactions and supercapacitor applications. Applied Organometallic Chemistry, 2020, 34(11), e5924.

Antony AM, Kandathil V, Kempasiddhaiah M, Sasidhar BS, **Patil SA**. Hexagonal Boron Nitride Supported N-Heterocyclic Carbene-Palladium(II): A New, Efficient and Recyclable Heterogeneous Catalyst for Suzuki-Miyaura Cross-Coupling Reaction. Catalysis Letters, 2021, 151(5), 1293-1308.

Patil Hoagland AP, **Patil SA**, Bugarin A. N-heterocyclic carbene-metal complexes as bio-organometallic antimicrobial and anticancer drugs, an update (2015-2020). Future Medicinal Chemistry, 2020, 12(24), 2239-2275.

Patil SA, Heras-Martinez HM, Lewis AM, **Patil SA**, Bugarin A. Synthesis, structural diversity and applications of mesoionic 1,2,3-triazol-5-ylidene metal complexes, an update (2017-2020). Polyhedron, 2021, 194, 114935.

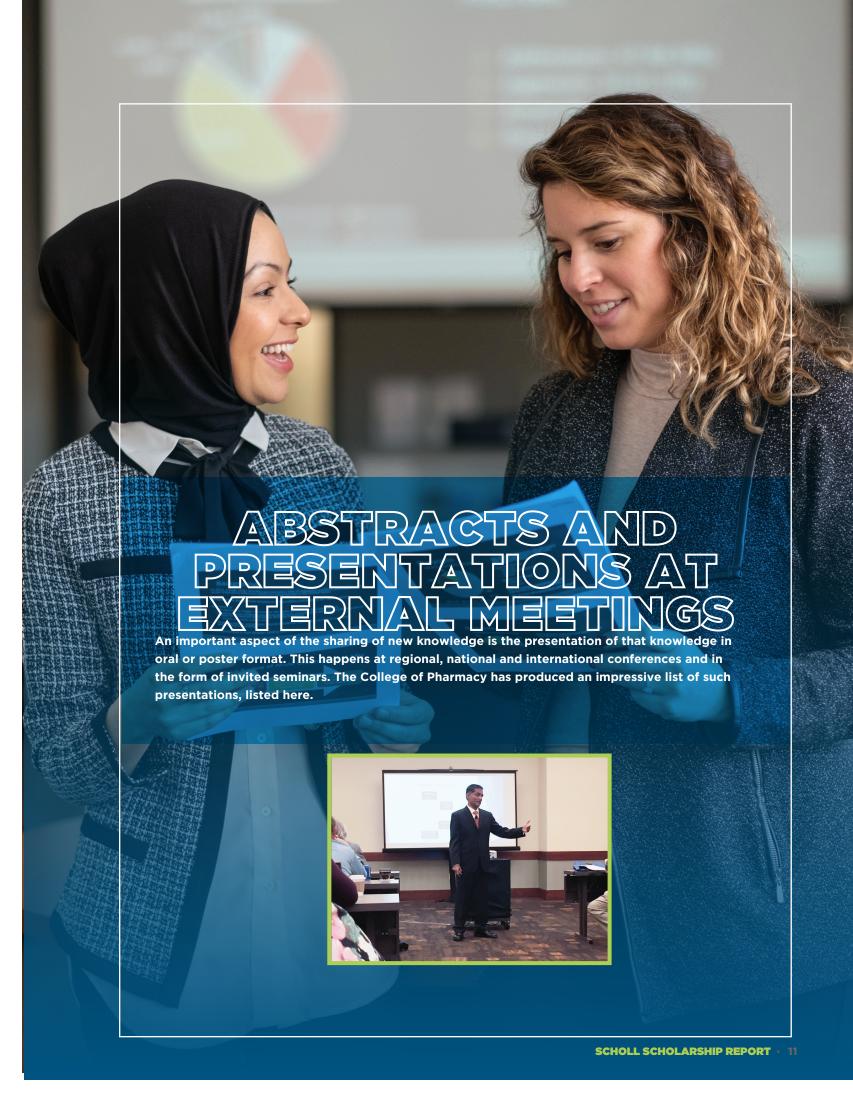
Mayor JA, **Patil SA**, Kaplan RS. Plasma membrane citrate transporter (PMCT) inhibitors for cancer treatment. U.S. Provisional Patent Application No. 63/107,299, filed October 29, 2020.

Kane SP, Winnike J, Rynn KO, Hanes SD. Impact of faculty interviewers on student matriculation following pharmacy school offer of admission. Curr Pharm Teach Learn. 2020. doi: 10.1016/j.cptl.2020.10.010.

Rahman A, Cukovic L\*, Mehmood S\*, Younis A\*, Sahakian Y\*, Assessment of Antibiotic Prescribing for Influenza in the US Outpatient Care Setting. Journal of Medical Research and Surgery 1(7):pp. 1-5, September 2020.

Rahman A, Mehmood S\*, Khaliq T\*, Cukovic L\*, Sahakian Y\*. Effects of Practicing Social Distancing on COVID-19 Infections and Deaths: A Retrospective Study. J Immuno Allerg. 2021;2(1):1-9. DOI: https://doi.org/10.37191/Mapsci-2582-6549-2(1)-018.

**Sahakian Y\***, **Khaliq T\***, **Walia N\***, **Mehmood S\***, **Rahman A**. Impact of Retrospective Face Mask Usage on COVID-19 Infections and Deaths in the United States. Am J Res Med Sci. 2021;5(1):1-5.



### **ABSTRACTS AND PRESENTATIONS AT EXTERNAL MEETINGS**

**Ahlschwede KM**, Andey T, Somberg JC. Formulation, characterization, and the diuretic effects of a new intravenous metolazone emulsion. American Association of Pharmaceutical Scientists (AAPS) Annual Meeting, 2020.

**Ahlschwede KM**. The cationic peptide K16ApoE is highly effective against *Staphylococcus epidermidis biofilms*. American Association of Pharmaceutical Scientists (AAPS) Annual Meeting, 2020.

Schneiderman S, Katukurundage D, **Bu P**, Riehl V, Fernandez E, Germain A, Kwak-Kim J, Beaman K, Dambaeva S. IL-22 plays an important role in endometrial regeneration. American Society for Reproductive Immunology (ASRI) Annual Meeting, 2021.

**Courteau D\***, **Alwawi N\***, **Patel K**, **Srivastava S**. Priming – Is it Worth a Shot? A Survey of Insulin Pen Manufacturers and Practicing Pharmacists. Poster Presentation. American Pharmacists Association Annual Meeting, Virtual, March 2021.

Arora R, Kane C, **Cunningham K**, D'Agostino C, Ison M. Evaluation of Meningococcal Vaccine Response Among Solid Organ Transplant Recipients Receiving Eculizumab. Platform Presentation, Illinois Pharmacy Resident Conference, May 2021. Poster Presentation, American Transplant Congress, Virtual, June 2021.

**Cukovic L\***, **Mehmood S\***, **Younis A\***, **Sahakian Y\***, **Rahman A**. Assessment of Antibiotic Prescribing for Influenza in the US Outpatient Care Setting, Presented at the Midyear Clinical Meeting, ASHP, Virtual, November 2020.

Patton C, **Cunningham K**, D'Agostino C, Novak A, Kapugi M, Lang K, Kane C. Dosing Weight of Rabbit Antithymocyte Globulin and Outcomes Among Kidney Transplant Patients Treated for Rejection. Platform Presentation, Illinois Pharmacy Resident Conference, May 2021. Poster Presentation, American Transplant Congress, Virtual, June 2021.

Molino S, **Dume R**, Mintz E, Njoku E. Baseline evaluation of an interdisciplinary mental health (MH) screening program in a human immunodeficiency virus (HIV) clinic at a federal health care center. Poster presentation. ACCP Annual Meeting, Virtual, October 2020.

**Khaliq T\***, **Sahakian Y\***, **Walia N\***, **Mehmood S\***, **Rahman A**. Impact of Retrospective Face Mask Usage on COVID-19 Infections and Deaths in the United States. Presented at the Midyear Clinical Meeting, Virtual, November 2020.

Alnamnakani B, **Lyden A**, Caruso K. Comparison of Cephalexin Dosing Regimen for Uncomplicated Cystitis: Emergency Department Population. Platform Presentation at Illinois Pharmacy Resident Conference, May 2021.

Oshman L, Carlock F, Biszewski M, Radz M, **Neu R**, Billings L. Diabetes Focused Visit: A Pilot to Improve Quality of Diabetes Care in Primary Care Practices. The 48th North American Primary Care Research Group (NAPCRG) Annual Meeting, Virtual, November 20, 2020.

Gard L, **Patel K**, **Candelario DM**, Chen M. Barriers to Telehealth at the Interprofessional Community Clinic. Poster Presentation. Society of Student-Run Free Clinics (SSRFC) Annual Meeting, Virtual, February 2021.

**Patil SA**, Mayor JA, Kaplan RS. Pre-clinical screening of plasma membrane citrate transporter inhibitor SAP-165 using the NCI-60 human tumor cell lines. American Chemical Society Great Lakes Regional Meeting, June 6-9, 2021.

Rahman A, Mehmood S\*, Khaliq T\*, Cukovic L\*, Sahakian Y\*. Effects of Practicing Social Distancing on COVID-19 Infections and Deaths: A Retrospective Study. Podium Presentation at the Business and Health Administration (BHAA) Annual International Meeting, Virtual, March 2021.

Bold = College of Pharmacy contributors, Asterisk\* = College of Pharmacy students, ^ = Interprofessional items

### ABSTRACTS AND PRESENTATIONS AT EXTERNAL MEETINGS

Vitas M, **Srivastava SB**. The Use of Herbal and Dietary Supplements by an Underserved Population at a Student-Run Free Clinic. Presented at: Student Poster Presentation at American Pharmacists Association, Virtual, 2020 and Society of Student Run Free Clinics, Virtual, 2020; Podium Presentation at All School Research Consortium.

**Srivastava SB**. Use of Fixed-Ratio GLP-1 Receptor Agonist and Basal Insulin Combination Therapies to Safely and Effectively Meet Glycemic Targets National Webinar Presentation at Directions in Pharmacy from March 2020-June 2020.

Mazur Z, **Srivastava S**, Schneider K, Damashke J, Chen M. Interprofessional Lifestyle Medicine Course: Improving Knowledge and Removing Professional Silos. Poster Presentation at American College of Lifestyle Medicine Virtual Conference, October 2020. ^

Mazur Z, **Srivastava S**, Chen M. Intentional Design of an Online Lifestyle Medicine Course. Poster Presentation at NEXUS, August 2020.

Whitehouse C, **Srivastava S**, Kauwe Tuitama AI, et al. Economic Outcomes and Health Care Utilization of Diabetes Self-Management Education and Support Interventions: A Systematic Review and Recommendations for Research. Poster Presentation at ADA 2021.

**Srivastava SB**. Strengthening Pharmacist Communication Skills to Enhance Patient Health and Well-being. Virtual Live Presentation for Total Pharmacy Conference. September 2021.

**Srivastava SB**. Strengthening Pharmacist Communication Skills to Enhance Patient Health and Well-being. Communication ADVANCE On-Demand Webinar. June 2021.

**Srivastava SB**. Glucagon: Recent Developments in Managing Severe Hypoglycemia. Pharmacy Times Continuing Education (PTCE). March 20, 2021; April 17, 2021; May 22, 2021; June 5, 2021.

**Srivastava SB**, Rosselli-Lynch J, Kerr J, Brockhouse S. The Lowdown on Cholesterol Medication and Management. Virtual Presentation for Illinois Critical Access Hospital Network. February 2021.

**Srivastava SB**. Bzowyckyj A. Invited Presentation. Insulin Treatment Tips: Reduce Anxiety, Improve Adherence. American Pharmacists Association Annual Conference. Virtual. March 15, 2021.

**Srivastava SB**. COVID-19 and Vaccine Literacy: Practical Communication to Empower the Patient. Pharmacy Times Continuing Education Webinar. February 2021.

Nikocevic B, **Winnike JS**, **Deshmukh R**. Design, Development, and Implementation of a Collaborative Shared Modular Pharmacy Law Course. Poster Presentation. AACP Annual Meeting, Virtual, July 2020.

**Winnike JS**. Provide Meaningful Learning Opportunities in the Pharmacy. McKesson ideaShare Meeting, Virtual, September 2020.

Winnike JS, Angelo L. Academic Success Sessions for P1 Students. AACP Annual Meeting, Virtual, July 2020.

**Zimulinda D\***, **O'Donnell III JJ**. The relationship between hydrophobicity and fraction of drug metabolism. Poster presented at: American Association of Pharmaceutical Scientists (AAPS) PharmSci 360, Virtual, October 2020.

Bold = College of Pharmacy contributors, Asterisk\* = College of Pharmacy students, ^ = Interprofessional items



### PRESENTATIONS WITHIN THE UNIVERSITY

Kaleia Collins\*, Rayan Salih\*, Lori Thuente, Danielle Candelario, Tamzin Batteson, Sarah Garber, Sandra Schipelliti ,and Leslie Ochs. Inter-University Collaboration Promotes Interprofessional Simulation. RFUMS All School Research Consortium, March 2021.

**Lejla Cukovic\*** and **Ateequr Rahman**. Assessment of Antibiotic Prescribing for Influenza in the US Outpatient Care Setting. RFUMS Summer Research Poster Session, Dec 3, 2020.

**Ravyn Hickerson\*** and **Lisa Michener**. The Examination of Entrustable Professional Activities in Pharmacy Students. RFUMS Summer Research Poster Session, Dec 3, 2020.

**Jerry Jacob\***, **Sean Kane** and **Danielle Candelario**. Examining the Correlation Between Pharmacy School Metrics and NAPLEX Success. RFUMS Summer Research Poster Session, Dec 3, 2020.

**Sean Kane**. Which of the following... Best Practices for Developing High-Quality Multiple Choice Questions. Master Teacher Guild. May 2021.

**Tehreem Khaliq\***, **Ateequr Rahman**. Impact of Retrospective Face Mask Usage on COVID-19 Infections and Deaths. RFUMS Summer Research Poster Session, Dec 3, 2020.

**Karina Luna\***, **Danielle Candelario**, and **Sean Kane**. Remediation Efforts and the Effect on NAPLEX First-Time Pass Rates. RFUMS Summer Research Poster Session, Dec 3, 2020.

**Sara Mehmood\*** and Ateequr Rahman. Effects of Practicing Social Distancing on COVID-19 Infections and Deaths: A Retrospect Study. RFUMS Summer Research Poster Session, Dec 3, 2020.

Juhi Patel\* and Pengli Bu. Exposure to Environmental Pollutant Bisphenol A (BPA) and Its Impact on Testicular Steroidogenesis. RFUMS Summer Research Poster Session, Dec 3, 2020.

Lauren Gard, Khyati Patel, Danielle Candelario, and Melissa Chen. Barriers to Telehealth at the Interprofessional Community Clinic. RFUMS Summer Research Poster Session, Dec 3, 2020.

Zachary Weinstein\*, Danielle Canelario, and Kristen Ahlschwede. Teaching Students Pharmaceutical Calculations Through an Immediate Response Learning (IRL) Program. RFUMS Summer Research Poster Session, Dec 3, 2020.

Shamaila Zaheer\* and Daniel Peterson. Neurological Implications of COVID-19. RFUMS Summer Research Poster Session, Dec 3, 2020. ^

David Zimulinda\* and James J. O'Donnell III. The Relationship between Hydrophobicity and Fraction of Drug Metabolism. RFUMS Summer Research Poster Session, Dec 3, 2020.



### **EXTERNAL SEMINAR AND CONTINUING EDUCATION PRESENTATIONS**

**Angelo LB** and Wilhelm M. APhA's Pharmacy-Based Immunization Delivery. Certificate training program for the Illinois Pharmacists Association, Virtual, November 12, 2020.

**Angelo LB** and Koenigsfeld C. APhA's Pharmacy-Based Immunization Delivery. Certificate training program for the Florida Pharmacists Association, Virtual, December 3, 2020.

**Angelo LB**. "Take Your Best Shot: How to Prevent Vaccine Administration Errors." CPE Presentation. Illinois Pharmacists Association Annual Conference, Virtual, September 2020.

**Angelo LB**, Hogue M, Took R, and Wilhelm M. "Initiatives to Support Pneumococcal Vaccination and Shared Clinical Decision-Making in Pharmacy Practice." American Pharmacists Association Webinar, December 2020.

**Angelo LB**. "COVID-19 Post-Vaccination Considerations and Requirements." Pharmacy Times Continuing Education Webinar, February 2021.

**Angelo LB**. "Preventing Seasonal Influenza: Making the Case for Cell-Based Vaccines." Invited Podcast Interview for ReachMD, May 2021.

**Angelo LB** and Delfuente J. Delivering Medication Therapy Management Services. Certificate training program. American Pharmacists Association Annual Conference, Virtual, March 15, 2021.

**Bertram CM**. Bam...bam...what? Understanding the Role of Monoclonal Antibodies and Convalescent Plasma in COVID-19. IPhA February COVID-19 Town Hall, February 3 2021.

**Buolamwini JK**. Design and discovery of small molecule drug/probe leads against targets in heart disease, cancer and drug toxicity. Baylor College of Medicine, Houston, Texas, April 20, 2021.

**Candelario DM**. How Telehealth helped us improve our interprofessionalism. APhA Annual Meeting & Exposition, Virtual, March 2021.

**Candelario DM**, Patel K. Precepting updates: How Accreditation Standards Are Influencing Student Precepting. CPE Presentation. North Suburban Pharmacists of Chicagoland Association Meeting, Virtual, September 2020.

**Cunningham K**, Krieger D, McDermott J, Khalil K, Muth B, and Siegfried M. Medication Access Explained: Navigating the Road to Approval. American Society of Transplantation - Transplant Pharmacy Community of Practice Webinar, April 2021.

Chen M, **Gard L\***, Haag S, Trivedi A, **Patel K**, **Candelario DM**, and Pomarico Y. Addressing Health Disparities: Skill Development at an Interprofessional Student-led Free Clinic. National Collaborative for Education to Address the Social Determinants of Health (NCEAS), Virtual, February 2021. ^

Jin J\*, West N\*, Luna K\*, Chen M, Candelario DM, and Patel K. The Development of a Flu Vaccination Drive-Through Clinic During the COVID-19 Pandemic. Society of Student-Run Free Clinics (SSRFC) Annual Meeting, Virtual, February 2021.

**Kane SP**. COVID-19 and Thrombosis: What the Pharmacist Needs to Know. Pharmacy Times Continuing Education (PTCE), Virtual, June 2020.

### **EXTERNAL SEMINAR AND CONTINUING EDUCATION PRESENTATIONS**

**Srivastava SB**. Glucagon: Recent Developments in Managing Severe Hypoglycemia. Pharmacy Times Continuing Education (PTCE). March 20, 2021; April 17, 2021; May 22, 2021; June 5, 2021.

**Srivastava SB**. and Bzowyckyj A. Insulin Treatment Tips: Reduce Anxiety, Improve Adherence. Invited Presentation. American Pharmacists Association Annual Conference, Virtual, March 2021.

**Srivastava SB**. COVID-19 and Vaccine Literacy: Practical Communication to Empower the Patient. Pharmacy Times Continuing Education Webinar, February 2021.

**Srivastava SB** and Reynolds G. APhA's Pharmacy-Based Immunization Delivery. Certificate training program for the Illinois Pharmacists Association, Virtual, January 2021.

**Srivastava SB**, Rosselli-Lynch J, Kerr J and Brockhouse S. The Lowdown on Cholesterol Medication and Management. Virtual Presentation for Illinois Critical Access Hospital Network, February 2021.

**Winnike JS**. "Provide Meaningful Learning Opportunities in the Pharmacy." McKesson ideaShare Meeting, Virtual, September 2020.

Winnike JS and Angelo LB. "Academic Success Sessions for P1 Students." AACP Annual Meeting, Virtual, July 2020.





## BOOKS, BOOK CHAPTERS, REVIEWS, AND OTHER PUBLICATIONS

JOURNAL OF

**Blake WD\***, **Rivera V\***, **Woloszyn C\***, **Patel K, Srivastava S**. Review of continuous glucose monitors: Technology and beyond. The Journal of PSW. July/August 2021.

**Candelario D, Patel K**. ¿Hablas Espanol?: Language Discordance in Transitions of Care. In: Bethishou L, Wooster J, On PC,eds. Transitions of Care in Pharmacy Casebook. McGraw-Hill; 2021. Available via: https://accesspharmacy-mhmedical-com.ezproxy.rosalindfranklin.edu/content.aspx?bookid=3045&sectionid=254818963.

Caruso K, Tyler D, **Lyden A**. Ketamine for Pain Management: A Review of Literature and Clinical Application. Orthoped Nurs. May/June 2021;40(3): 189-193.

Vaughan C, **Lyden A**, eds. AGS Geriatrics Emergency Department Collaborative Educational Curriculum: Medication Management Module. New York, NY: American Geriatrics Society. Available at: https://gedcollaborative.com/.

Vaughan C, **Lyden A**. Medication Management: Implementation of Best Practices for Medication Management in the Emergency Department. In: Vaughan C, **Lyden A**, eds. AGS Geriatrics Emergency Department Collaborative Educational Curriculum: Medication Management Module. New York, NY: American Geriatrics Society. Available at: https://gedcollaborative.com/.

Patil SA, Patil V, Patil R, Bugarin A, **Patil SA**. Chapter title: "Antimicrobial Activity of Newly Synthesized Thiabendazoles". Book publisher international; Book titled "Current Advances in Chemistry and Biochemistry" edited by Dr. Mohamed Fawzy Ramdan Hassanien, 2020, pages 1-13.

Rahman A, Mehmood S\*, Khaliq T\*, Cukovic L\*, Sahakian Y\*. Effects of Practicing Social Distancing on COVID-19 Infections and Deaths: A Retrospective Study. Business and Health Administration (BHAA) Annual International Meeting, Proceedings Publication, March, 2021.

Ferrara N, Vantrease J, Loh M, **Rosenkranz JA**. Protect and harm: Effects of stress on the amygdala. In: Handbook of Amygdala Structure and Function, Eds. Urban JH and Rosenkranz JA. Handbook of Behavioral Neuroscience Series, 2020. Academic Press.

**Srivastava S.** Foot Disorders. In: Ferreri SP, Hemstreet B, et al. eds. Handbook of Nonprescription Drugs: An Interactive Approach to Sel-Care, 20th edition. Washington, DC; American Pharmacists Association.



**Kristen Ahlschwede**. Formulation and characterization of a novel self-emulsifying drug delivery system. Academic Pharmaceuticals, Inc.

**Kristen Ahlschwede**. Solubilization and characterization of an undisclosed therapeutic agent. Academic Pharmaceuticals Inc.

**John K. Buolamwini** and G.E. Stutzmann. Novel Drug Discovery for AD Targeting Ryanodine Calcium Channels. **NIH/NIA.** 

**Sarah S. Garber**. Evaluating Knowledge of Pre-Exposure Prophylaxis for HIV Prevention Among Health Professionals in Training in the United States. Gilead Sciences.

Scott Hanes. Global Medical Affairs Fellowship. Horizon Therapeutics.

David Kossen, PI, **Khyati Patel** and **Jolee Rosenkranz**, Co-investigators. A Way Out - Program Evaluation. U.S. Department of Justice, Comprehensive Opioid, Stimulant, and Substance Abuse Site-based Program (COSSAP).

Arun K. Ghosh, PI and **D. Eric Walters**, Co-investigator. Design and synthesis of nonpeptide protease inhibitors. NIH/GMS.

### **ACHIEVEMENT AWARDS**

The College of Pharmacy Outstanding Achievement in Research Award. Each year, just prior to commencement, an award is presented to one (or two) graduating College of Pharmacy student(s) for Outstanding Achievement in Research.

Dr. Daria (Dasha) Polyarskaya conducted research with Dr. John Buolamwini in the summer of the third year of her PharmD program. She participated in the synthesis of novel STAT3 inhibitors as potential lead compounds for cancer drug development. Dasha presented her project at the RFUMS Summer Research Poster Session in December 2019.

Dr. Karen Juco worked with Scott Hanes, PharmD, and Ziemowit Mazur, PA-C, on a research project entitled "Implicit Professional Bias in Interprofessional Peer Evaluations". Her work was presented at the All School Research Consortium at RFUMS and at the American Association of Colleges of Pharmacy in 2020.

### **PREVIOUS WINNERS**

2015	Monal Punjabi
2016	Andrew Ruettiger
2017	Shannon Riley
2018	Tiffany Chairudin
2019	Alexandria Henry and Soyoung Chang
2020	Yelena Sahakian



### THE HAIM AND JANE NAGIRNER WEINSTEIN CENTENNIAL SYMPOSIUM SERIES

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.

### **MONDAY, DECEMBER 7, 2020**

### FELIX AMISSAH, PhD, MPHil, BPharm

Assistant Professor, Department of Pharmaceutical Sciences,

Ferris State University College of Pharmacy

Modulating Oncogenic GtPase Signaling in Cancer Using Cox Inhibitors and Polyunsaturated Fatty Acids

### **WEDNESDAY, FEBRUARY 3, 2021**

### KRISTEN AHLSCHWEDE, MS, PhD

An Industry Project and My Experiences:

The Formulation, Characterizations, and The Diuretic Effects of a New Intravenous Metolazone Emulsion

### THURSDAY, APRIL 15, 2021

### SUSAN M. MEYER, PhD, FNAP

Director, Interprofessional Center for Health Careers;

Co-Director, Pitt Center for Interprofessional Practice and Education;

Professor, Pharmacy and Therapeutics, University of Pittsburgh

Wow, I Didn't See That One Coming: Why Agility Is a Critical Skill



### 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

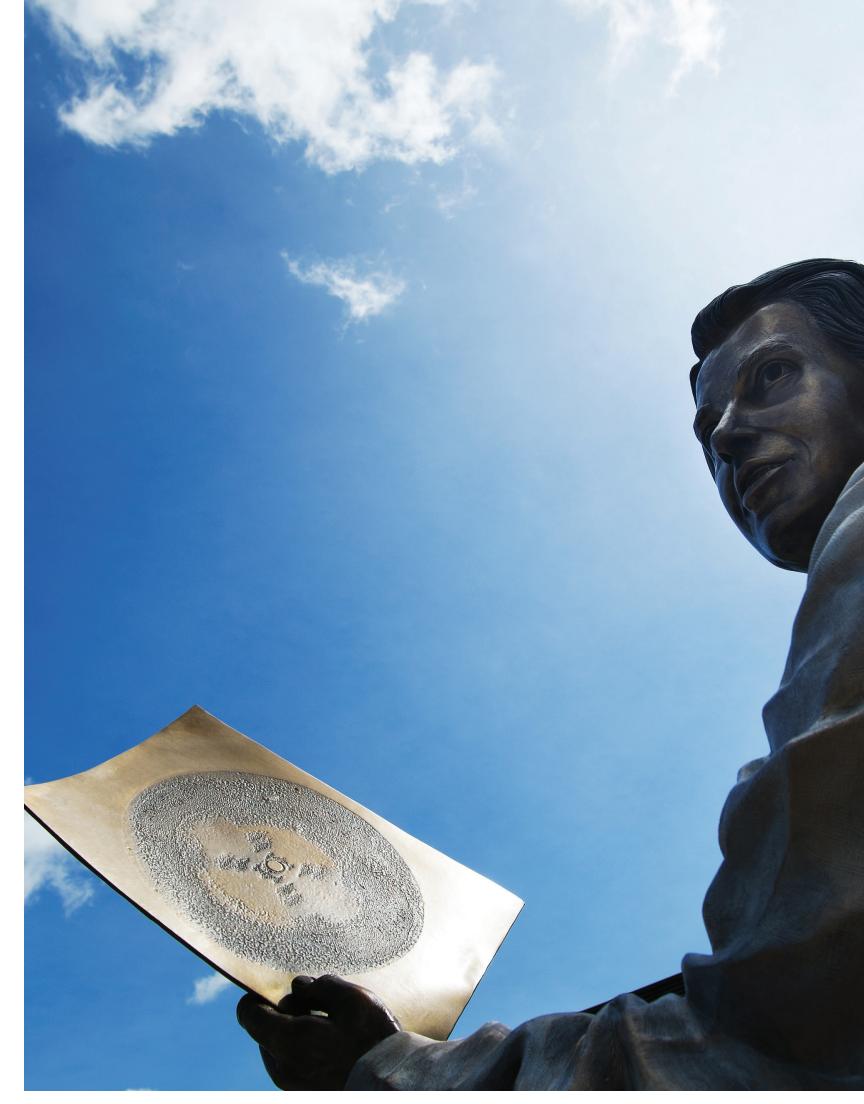
This is home to several full-body mannequin simulators that can mimic dilating pupils, breathing and circulation. These allow students to have realistic experiences on an interprofessional team in a risk-free setting.

### **INNOVATION AND RESEARCH PARK**

Opened in Spring 2020, includes 100,000 square feet of space designed to increase interaction, a free exchange of ideas and sharing of expertise and scientific tools.

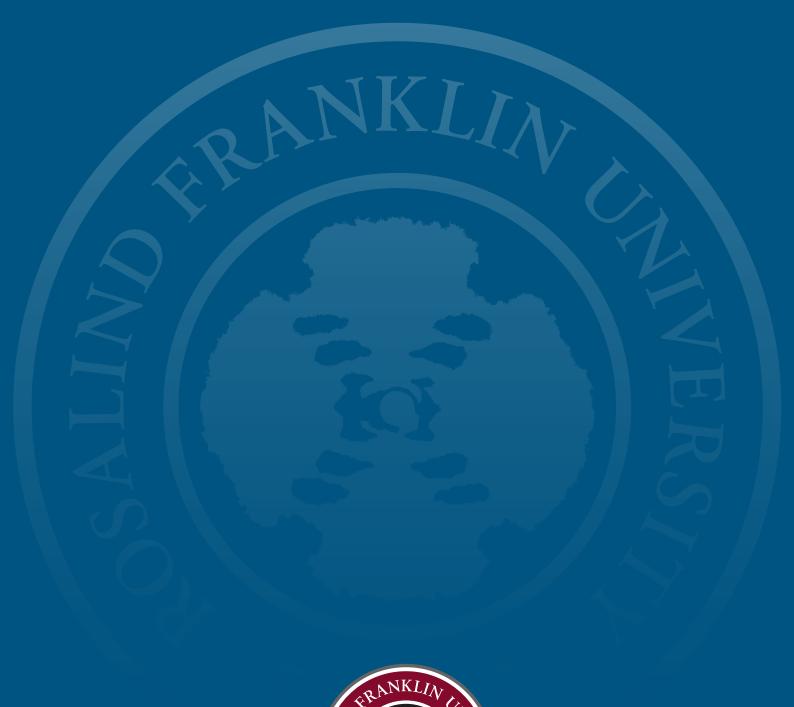
### **HANDS-ON FUTURES**

Through experiential rotations, student pharmacists learn the possibilities their degree has to offer.











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