

UNIVERSITY OF MICHIGAN



GREAT LAKES PHARMACY CONFERENCE
INNOVATIONS IN THE
FIELD OF PHARMACY
MARCH 29 2025



FERRIS STATE UNIVERSITY

COLLEGE OF PHARMACY



Great Lakes
Pharmacy Conference

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"First and foremost, I really appreciated the class sizes and the professor-to-student ratio. I felt that really fit my needs as a student."

Amoreena Most, PharmD, BCCCP, Critical Care Pharmacist, The University of New Mexico Health Sciences Center
Ferris State University College of Pharmacy, Class of 2021

"I wanted to be able to create relationships with my professors and reach out to them directly if I had questions on my courses or needed help navigating my career path, and they were all more than willing to help me when I needed support. That willingness to listen and be a resource to students is a really important part of helping students grow and is a strength of Ferris."

Brittany Myland, PharmD, Area Business Manager-Chronic Inflammatory Disease and Hepatitis C, Meijer Specialty Pharmacy
Ferris State University College of Pharmacy, Class of 2015

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Here's What You Need To Do:

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- Submit the pharmacy school application to our program via  PHARMCAS
- Send questions about the application process to RxAdmissions@Ferris.edu



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TABLE OF CONTENTS

4 ABOUT US

5 SCHEDULE

8 KEYNOTE SPEAKER

10 WORKSHOPS &
PANELS

ABOUT US

Our Mission

The Great Lakes Pharmacy Conference exposes regional pre-pharmacy students to the growing field of pharmacy, creates unique learning and networking opportunities, and enhances educational and career potential. We aim to accomplish this through a series of interactive activities that both expand on the framework of pharmacy and connects students with professional innovators and relevant current issues.

About PPSO

GLPC is an event sponsored by the Pre-Pharmacy Student Organization (PPSO) at the University of Michigan. PPSO, the only pre-pharmacy organization at the University of Michigan, is a student-run club for undergraduate students interested in careers in pharmacy. Through a combination of professional development, career exploration, academic success, social, and networking activities, we work together to make the most of our undergraduate years to prepare for the next steps in our education and our place in the exciting and dynamic field of pharmacy. We are future pharmacists, preparing for the future of pharmacy.

SCHEDULE

- > 9:00 AM – 9:25 AM || Keynote Speech
- > 9:25 AM - 10:00 AM || Pharmaceutical Frontiers Panel
- > 10:05 AM - 10:55 AM || School Presentations
University of Minnesota/University of Iowa
- > 11:00 AM - 11:50 AM || School Presentations
University of Michigan/University of Illinois-Chicago
- > 11:55 AM - 12:35 PM || Lunch
- > 12:35 PM - 1:55 PM || School Fair
PharmCas begins @ 1:00 PM
- > 2:00 PM - 2:55 PM || Choice Panels
Career Options In Pharmacy/Graduate School Readiness
- > 3:00 PM - 3:55 PM || Hands-On Workshops
Compounding Workshop/Lab Workshop



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UIC Retzky College of Pharmacy

When: Saturday, March 29th

Where: University of Michigan



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- **Collaborative**

Highly inclusive environment that facilitates small groups, active learning, and building networks

Liz Davis, Director of Admissions
pharmacy-admissions@uiowa.edu
319.335.3403

KEYNOTE SPEAKER



Dr. Joerg Lahann

Wolfgang Pauli Collegiate Professor
of Chemical Engineering & Director of
the Biointerfaces Institute

Education/Experience:

- **PhD** in Macromolecular Chemistry, RWTH Aachen, 1998
- **MS** in Chemistry, RWTH Aachen, 1995
- **BS** in Chemistry, University of Saarland, 1993
- Conducted postgraduate studies under the supervision of Prof. Robert S. Langer at MIT (1999-2003)
- Serving as the founding director of the University of Michigan Biointerfaces Institute since 2012

Expertise and Interests:

- Prof. Lahann's research broadly focuses on the design, synthesis, and processing of materials for biomedical applications and the life sciences.
- Specific research interests include but are not limited to, bicompartamental nanoparticles for the delivery of combination cancer therapies and 3D jet writing technologies for the development of tissue-engineered organoids.
- Prof. Lahann is a co-author of more than 320 publications including papers in Science, Nature, Nature Materials, Nature Biotechnology, Nature Nanotechnology, and PNAS, and has contributed to more than 50 patents and patent applications.



SCHOOL of PHARMACY

HAMPTON UNIVERSITY

Hampton University School of Pharmacy

Our Vision

Hampton University School of Pharmacy offers an academic program that produces clinically astute professional pharmacists who are culturally competent, who espouse lifelong learning, and who use technology to their advantage and to that of their patients.

Our Mission

The mission of Hampton University School of Pharmacy is to provide contemporary pharmaceutical education that produces highly skilled pharmacists. These pharmacists deliver quality pharmaceutical care to the people of Virginia and the nation. The program is designed to build a strong foundation in pharmaceutical sciences and clinical practice for the provision of high-quality pharmaceutical care, emphasizes curricular integration, lifelong learning, appropriate use of technology, and a vigorous research program. The school promotes and encourages the scholarly and professional development of students, faculty, and staff in a multicultural environment.

The School of Pharmacy subscribes and adheres to the goals of the University Mission to promote learning, character building, and preparation for leadership and service roles; through careful selection of students, activities, attitudes that develop professionalism, and the delivery of a rigorous curriculum. Through professional organizations and other linkages, students in the School of Pharmacy participate in activities that provide service to the local community and the state. Although the curriculum primarily serves only the students admitted to the School of Pharmacy, students and faculty are committed to sharing their knowledge and informational resources with the greater University population and beyond.

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WORKSHOPS & PANELS

Pharmaceutical Frontiers Panel

You will have the opportunity to hear from leading medicinal and pharmaceutical scientists in their respective fields, who will talk about new innovations in the field of pharmacy. This panel will showcase groundbreaking advancements in the field of pharmacy, providing insights into the future of pharmaceuticals.

Panelists

Dr. Duxin Sun

Dr. Duxin Sun is the Associate Dean for Research, the Charles Walgreen Jr. Professor of Pharmacy and Pharmaceutical Sciences in the College of Pharmacy at the University of Michigan. He serves as the Director of the Pharmacokinetics (PK) Core. Dr. Sun also has a joint appointment in the Chemical Biology program, the Interdisciplinary Medicinal Chemistry program, and University of Michigan's Comprehensive Cancer Center. Dr. Sun's research interests focus on drug development, cancer nanomedicine, cancer vaccine, and pharmacokinetics. Dr. Sun established the STAR system (Structure-Tissue/Cell Selectivity-Activity-Relationship) to enhance drug development success by addressing the 90% failure rate. He designed albumin based nanomedicines to enhance clinical efficacy of immuno-oncology drugs by targeting immune cells in the lymphatic system and tumors. He also developed SARS-CoV-2 B epitope-guided neoantigen peptide or mRNA cancer vaccine to enhance their anticancer efficacy by activating CD4/CD8 T cell immunity through B cell-mediated antigen presentation. Dr. Sun earned his BS in Pharmacy, MS in Pharmacology, and PhD in Pharmaceutical Sciences, and has also received training in Molecular Biology as a visiting scientist. With research experience in both academia and the pharmaceutical industry, Dr. Sun has published over 280 papers, and has mentored 40 PhD students and 75 postdoctoral fellows/visiting scientists. Dr. Sun is an elected Fellow of both the American Association for the Advancement of Science (AAAS) and the American Association of Pharmaceutical Scientists (AAPS). He has served on the FDA Pharmaceutical Science and Clinical Pharmacology Advisory Committee and participated in study sections for the NIH and FDA.



Dr. Gus Rosania

Gus Rosania is a Professor in the Department of Pharmaceutical Sciences at the University of Michigan College of Pharmacy. He teaches Pharmacodynamics, Medicinal Cannabis, Adverse Drug Reactions, Pharmacoepidemiology and Drug Toxicity to undergraduates, and advanced drug transport and cell level pharmacokinetics to Masters and PhD students. His research is aimed at decreasing the incidence of Adverse Drug Reactions based on improving the way drugs are designed, regulated and administered to patients. To combat the opioid epidemic, he has been actively involved in education and public health initiatives that promote patient access to alternative, nonlethal natural medicines, such as Medicinal Cannabis. His research on drug side effects spans all different therapeutic areas –from infectious diseases to pain medicine. Most recently, he has been studying the hidden morbidity and mortality associated with US drug regulatory policy– focusing on the indigenous communities in Colombia that have been most affected by the US-led “War on Drugs”.



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WAYNE STATE Eugene Applebaum College of Pharmacy and Health Sciences

DEGREE PROGRAMS

Doctor of Pharmacy

Master's and PhD in
Pharmaceutical Sciences



AN ANCHOR IN URBAN HEALTH CARE



CPHS.WAYNE.EDU/PHARM

As one of the founding colleges of Wayne State University, the Eugene Applebaum College of Pharmacy and Health Sciences is built on 100 years of tradition and innovation in the heart of Detroit. We have grown deep roots in our city, harnessing its powerhouse hospital systems and community service organizations as vibrant, real-world training grounds for our students. And our research at all levels – from undergraduates to veteran faculty members – translates into creative solutions for healthier communities.

PharmCAS Workshop

Through this hands-on workshop, we will discuss the PharmCAS application. If you are interested in applying to pharmacy school, this is the perfect workshop for you to learn to navigate the PharmCAS interface (the pharmD application platform) as well as the application timeline and process!

Cari Ceo

Assistant Director of Admissions—College of Pharmacy.

Cari Ceo is a proud graduate of the University of Michigan (LSA '05), earning a BA in English Language & Literature. She also holds a Master of Education from the University of Southern California. Cari has been an admissions professional at her alma mater for over 10 years. Cari is eager to connect with prospective students interested in joining Michigan's fantastic community.



Gabriela Kassar Sanchez

Ms. Gabriela Kassar is the Student Affairs Coordinator at the American Association of Colleges of Pharmacy (AACCP). As part of her current position, she works with the student affairs team to conduct and coordinate tasks for the AACCP Application Services – Pharmacy College Application Service (PharmCAS), Pharmacy Graduate Application Service (PharmGrad), and Pharmacy Direct Entry Application Service (PharmDirect). She also works on projects related to student recruitment initiatives relative to the Pharmacy is Right for Me recruitment campaign and supports other strategic priorities for the team. Gabriela earned a bachelor's degree at James Madison University.



Graduate School Readiness Panel

The panel is a unique opportunity for students to hear a bit more about graduate school from both current graduate school students and professionals in admissions departments for different graduate school programs. They will not only be able to learn about applying to graduate programs, but also what graduate school is like.

Panelists

Cari Ceo

- **Assistant Director of Admissions–College of Pharmacy.** Cari Ceo is a proud graduate of the University of Michigan (LSA '05), earning a BA in English Language & Literature. She also holds a Master of Education from the University of Southern California. Cari has been an admissions professional at her alma mater for over 10 years. Cari is eager to connect with prospective students interested in joining Michigan's fantastic community.



Dr. Brian Cummings

- **Dean and Professor - Eugene Applebaum College of Pharmacy and Health Sciences.** Dr. Cummings was formerly the Department Head of Pharmaceutical and Biomedical Sciences in the College of Pharmacy at the University of Georgia. Dr. Cummings' research interests center on prostate cancer, lipids and toxicology. He has over 25 years of experience studying the toxicity of therapeutics and environmental pollutants and assessing their toxicity to humans. He has received two patents for discovery of novel treatments for prostate cancer. He also has extensive experience with neurobiology and neurotoxicity. He is an internationally recognized expert concerning nephrotoxicity and has been a PI and a Co-I on several NIH and DOD grants.



Assistant Dean Mark Nelson

- **Student Affairs, Recruitment, and Outreach Director at the University of Michigan - College of Pharmacy.** Dean Mark Nelson works with staff, faculty, and other deans to coordinate strategies, services, and events to ensure the well-being of the College of Pharmacy.



Hailey Pike

- **PharmD Student - University of Michigan.** Hailey Pike is a fourth year PharmD Candidate from the University of Michigan College of Pharmacy. She completed her undergraduate requirements at Purdue University. Her main area of interest is inpatient clinical pharmacy practice and her goal is to work on a multidisciplinary rounding team in pediatric critical care or infectious diseases following completion of a residency program.



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Career Options In Pharmacy

Panel

The panel will provide students with insights into the diverse career paths available within the pharmacy field. Panelists, including practicing pharmacists and industry experts, will share their experiences across various sectors such as community pharmacy, clinical pharmacy, pharmaceutical research, and regulatory affairs. Attendees will learn about the skills required for each career path, emerging opportunities, and the impact of current trends on the pharmacy profession.

Presenters

Dr. Jason Pogue

Dr. Jason Pogue is a clinical professor in the Department of Clinical Pharmacy at the University of Michigan College of Pharmacy and an Infectious Diseases Clinical Pharmacist at Michigan Medicine. Dr. Pogue received a bachelor's degree in chemistry from Gannon University, before obtaining his Doctor of Pharmacy degree from the University of Pittsburgh. His research interests focus on epidemiology and management of multi-drug resistant Gram-negative organisms and antimicrobial stewardship. Dr. Pogue is a past president of the Society of Infectious Diseases Pharmacists (SIDP) and currently serves as Chair of the Executive Committee of The United States Committee on Antimicrobial Susceptibility Testing (USCAST).



Dr. Megan Cadiz

Dr. Megan Cadiz, PharmD is a clinical pharmacist and educator dedicated to advancing pharmacy practice and education. A graduate of the University of Michigan College of Pharmacy, Dr. Cadiz spent 11 years as a Surgical Intensive Care Unit Clinical Pharmacy Specialist at Corewell Health William Beaumont University Hospital. In addition, Dr. Cadiz served as PGY1 Pharmacy Residency Program Director for five years. In 2023, Dr. Cadiz transitioned to University of Michigan Health where she currently serves as Pharmacy Residency Program Manager and PGY1 Pharmacy Residency Program Director.





Dr. Allison Brenner

Dr. Allison Brenner, a University of Michigan PharmD graduate, is the senior director of clinical informatics in medical digital health for Pfizer, Inc. Additionally, she obtained her masters in Health Infrastructures and Learning Systems from the University of Michigan School of Medicine. She provides consultative, direct customer and Medical Affairs and Pfizer Enterprise support in clinical informatics and health information technology (HIT) leadership to assess, develop, and implement simple to complex HIT initiatives including clinical data extraction, clinical data management and clinical informatics evaluation processes that support the business needs of Pfizer. Before her current position, she was a clinical pharmacy specialist for the Ann Arbor VA. Her responsibilities included hypertension management, asthma and COPS management, and diabetes management while serving as a preceptor for PGY1 and PGY2 pharmacy residents. She has many publications including those relating to veterans and their medication regimens.

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Compounding Workshop

This hands-on workshop aims to expose you to the field of compounding pharmacy. You will learn how to compound capsules, solutions, and suspension with kool-aid mix, flours, and candies by working closely with compounding pharmacists! **It's a very hands-on interactive workshop!** It is our participants' all-time favorite workshop from the past year's conferences.

Lab Workshop

This is an immersive workshop designed to give you a firsthand experience of pharmaceutical lab work. This interactive session will guide you through essential techniques and practices used in modern pharmaceutical research.

Lena Thompson Klemm is originally from Kalamazoo, Michigan. She earned her bachelor's degree in chemistry and biochemistry from Kalamazoo College, where she developed a strong foundation in the sciences. She is now in her second year of graduate school in Medicinal Chemistry at the University of Michigan, where she works in Dr. Nouri Neamati's multidisciplinary laboratory.



The lab focuses on innovative drug design and pre-clinical pharmacology, particularly for hard-to-treat cancers. Her research focuses on the development and screening of small molecules that target proteins associated with glioblastoma multiforme (GBM), an aggressive and difficult-to-treat brain cancer. This research allows her to contribute to the ongoing search for effective therapies for GBM, with the goal of improving patient outcomes.

She is passionate about fostering knowledge and inspiring undergraduate students in the field of chemistry and biochemistry. Through both her research and mentorship, she aims to contribute to the academic community by promoting learning and encouraging students to explore the possibilities in medicinal chemistry.



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NOTES



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