



THE STUDENT PHARMACIST

www.cphs.wayne.edu/pharmd

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Wayne State Interprofessional

Wayne State Interprofessional (WSI) was created to better support ongoing interprofessional projects and community service efforts as well as provide opportunities for future collaboration between healthcare and other professional students. WSI is the student organization that provides leadership for the Community Homeless Interprofessional Program (CHIP). CHIP is an interprofessional, student-run free clinic that has been developed as a collaboration between health professions students and faculty of pharmacy, medicine, social work, and physical therapy and has been developed as a community partnership with the Cathedral Church of St. Paul. This partnership resulted in the first CHIP in March 2014 attempting to improve the nutritional and spiritual support, and access to healthcare and social education to homeless individuals.

During the 2019-2020 academic year, WSI hosted a panel on opioids and how they have affected practices of physicians, pharmacists, physical therapists, and social workers. CHIP earned an honorable mention in the 'Excellence in Interprofessional Education Collaboration National Award' competition presented by the United States Public Health Service (USPHS) and Interprofessional Education Collaborative (IPEC).

Student pharmacists work side-by-side other health professionals and assume responsibility for medication history taking, medication reconciliation, comprehensive medication review, as well as dispensing from a limited over-the-counter medication supply in a supervised environment.

CHIP will continue throughout the new year, hosting clinics every third Sunday that features students and faculty from the School of Medicine, College of Pharmacy and Health Sciences, and the School of Social Work. CHIP will also continue with hosting the vision clinic every second Sunday.

Pictured below are students from various health disciplines, including (L-R) Emily Bremer, David, Claire Sickon, Adi Zaclli, Eugenia Zeng, David Cicala, Aubrey Neal, Evan Cole, Samantha Brydges, and Ramy Mana.



Pictured above are students during a debriefing session after working with CHIP Clinic patients. Each group of health professional students presents one patient from their session, and each discipline presents their findings based on their scope of practice.



Student Society of Health-System Pharmacists

Last semester, Wayne State University's Student Society of Health-System Pharmacists (WSU-SSHP) hosted many seminars and events, including Discovering the DMC and a Residency Information Seminar. Discovering the DMC is an annual event in which students from the EACPHS visit DMC Harper University Hospital and discuss with pharmacists about the daily responsibilities of a hospital pharmacist, how they got to where they are now, and what we, as students, can do in order to prepare for a career in a hospital setting. After the presentation, students also went on a tour of the DMC. SSHP also participated in the college-wide Apple Days event, in which they presented on the topic of respiratory health and the effects of smoking on the lungs with high school students visiting the college. SSHP also hosted their annual Residency Information Seminar where four PGY1 residents from Henry Ford, Detroit Receiving, St. John, and Sinai-Grace Hospital came in and discussed with students about the residency application process, as well as what entails the day-to-day responsibilities of a PGY1 resident. Their ambulatory care seminar with Dr. Mohammad was also a huge success, where students were able to learn more about the role of pharmacists in the ambulatory care setting. SSHP will be kicking off the Winter 2020 semester with a WellBeing and Resilience seminar to help students prepare for the rigorous upcoming semester. The event will be hosted in collaboration with Dr. Davis and Dr. Salinitri, who will share their tips on how to manage stress, anxiety, and burnout in both an academic and clinical setting.



Photo from the Ambulatory Care Seminar featuring (L-R) Alison Doane, Rylie Martin, Dr. Mohammad, Nada Emara, and Dena Berri.

Student College of Clinical Pharmacy

The Student College of Clinical Pharmacy (SCCP) has had a busy summer and fall semester, expanding community service opportunities for students and educating them about clinical pharmacy. During the summer semester, we were able to introduce incoming P1 students to the organization and its events at PharmPhest. Also in the summer semester and fall semester, SCCP served current patients at the Gary Burnstein Clinic in Pontiac, where students measured blood pressure and blood glucose at a health fair. SCCP also offers this community service opportunity in Pontiac in both the fall and winter semesters. Starting off the fall semester, SCCP held a Breakfast Bar fundraiser for the college and also led a presentation about Cold and Flu Protection during Apple Days, which is an annual event held by EACPHS to expose high school students to various health professions. SCCP also collaborated with APhA-ASP to hold an Electives Panel and Research Q&A Event, in order to answer questions that students had about elective choices and opportunities through the Research Scholars program or directed studies. SCCP also expanded networking opportunities between current students and pharmacy residents through a new Residency Mentorship program, allowing students to establish connections with residents from Beaumont, Henry Ford, DMC, and other local institutions. With the help of our newly established SCCP Research Committee and P1 Outreach Committee, we hope to provide more events geared towards research/fellowship opportunities and specialty seminars for students in the upcoming semesters.



Students participating in Gary Burnstein Clinic Health Fair, including (L-R): Emily Cook, Paige Roberts, Brittany Clark, Alex Moticsak, Nick Kipreos, and Christian Sokacz.

Fighting Aids With Nutrition

The key objective of the student chapter of Fighting Aids With Nutrition (FAWN) is to raise funds in order to provide liquid nutrition to people living with HIV/AIDS in Sub-Saharan Africa and to people who experience catastrophic illnesses around the world. Additionally, our organization has been strongly involved within the community to promote healthy lifestyles through nutrition education. In March, we will be partnering with Vista Maria, an agency that provides hope and support to vulnerable youth, to educate young women on various topics including proper Nutrition and the importance of various vitamins and minerals.

We have been very busy this past year, organizing multiple fundraisers both within the school and in the neighboring community, participating in community health fairs including taking part in volunteer initiatives at World Medical Relief, and organizing multiple professional seminars. One such seminar was entitled “The Value and Need for Nutrition When Fighting HIV/AIDS,” presented by Dr. Frankie Julian, PharmD, and his father, the founder of FAWN, Pastor Frank Julian. This presentation highlighted the equal importance of pharmacological therapy and nutrition for people living with HIV/AIDS, which helped to enforce the mission of our organization.

In addition, we fundraised money by selling HIV/AIDS awareness white coat pins, which was a great success thanks to the support of the EACPHS family. We also hope to have an international food sale in January. Along with that, we will be playing Pastor Frank’s movie “Forbidden” about HIV/AIDS in January.

On a final note, we hope that by implementing more exciting initiatives for students at Wayne State and by expanding the work that we do around the community, the organization will be more progressive as a whole by attracting even more eager and creative minds.



September 2019
FAWN Seminar, “The Value and Need for Nutrition When Fighting HIV/AIDS,” featuring (L-R) Pastor Frank Julian and Dr. Frankie Julian.



Pictured above are pharmacy students volunteering with World Medical Relief in November 2019 to pack liquid nutrition and medical supplies for shipment to Sub-saharan Africa.

Lambda Kappa Sigma



Pictured above are members that attended our 2019 Initiation Ceremony, along with Dr. O'Connell and Dr. Smith, who are both LKS alumni.

It has been a busy year for Lambda Kappa Sigma (LKS) - Omicron Chapter. Omicron Chapter had four members and one Omicron alumni attend the LKS National Convention in Milwaukee, Wisconsin. Omicron Chapter presented a poster showcasing our Winter Retreat and received wonderful feedback about the event from other chapters. Also, Omicron Chapter was awarded Chapter of the Year- Runner Up.

As the fall semester started, recruitment was in full swing. Omicron Chapter had a very successful recruitment season and welcomed 21 dedicated women into the sisterhood. Omicron Chapter has also been busy fundraising. We had two bake sales, a lunch fundraiser at Royale with Cheese which was a combined event with Kappa Psi, a taco bar, and candy grams for Christmas and Valentine's Day. Thank you to everyone who supported these fundraisers!

Moreover, Omicron Chapter hosts monthly professionalism and community service events for members. This semester included a Residency Seminar by Dr. Katie Pinkey, an Omicron Alumni. Sisters from the first, second and third year of the pharmacy program attended the seminar and learned more about what a life as a pharmacy resident is like from a current PGY1 resident. Omicron Chapter continues to volunteer with Vista Maria, which has been LKS' philanthropy organization for several years. Omicron Chapter is also working with the Youth Connection and has volunteered at DEA Drug Take Back Days in Metro Detroit.

Our goal is for members to look forward to continuing success and building lifelong relationships with new sisters!

American Pharmacists Association – Academy of Student Pharmacists

The American Pharmacists Association – Academy of Student Pharmacists (APhA-ASP) has had a great past year. We were able to have student representatives attend a few conferences including the APhA-ASP Summer Leadership Institute in July and the Midyear Regional Meeting in October of 2019. These were great opportunities for our members, as they attended leadership training seminars to gain new ideas to bring back to our local chapter.

Our members have also been volunteering at several events throughout the past year, providing patient care services to Detroit and surrounding communities. One of these events was the Buddhist Temple Health Fair with several of our committees there to educate on heart health, diabetes education, and prescription and over-the-counter medicines. Our organization has also been busy with Flu Clinics and Wellness Warriors, two of our biggest patient care events. Each of these involves our chapter members providing patient care services to students and faculty at Wayne State University from September 2019 through the beginning of 2020. The services provided include flu shots, blood pressure screenings, and cholesterol/lipid panel checks. In addition to our patient care events, APhA-ASP was able to participate in the Community Apple Days event in November 2019, held at the college. This was a chance for several of our committees to talk about medication topics and the profession of pharmacy to hundreds of high school students from the Detroit area.

Looking at the beginning of 2020, our organization is getting ready to transition the next Executive Board and Committees for the 2020-2021 school year. We are also going to have our local rounds of the National Patient Counseling Competition at the college. The winner of that competition will go on to represent our school at the national rounds held at the APhA Annual Meeting and Exposition in March.



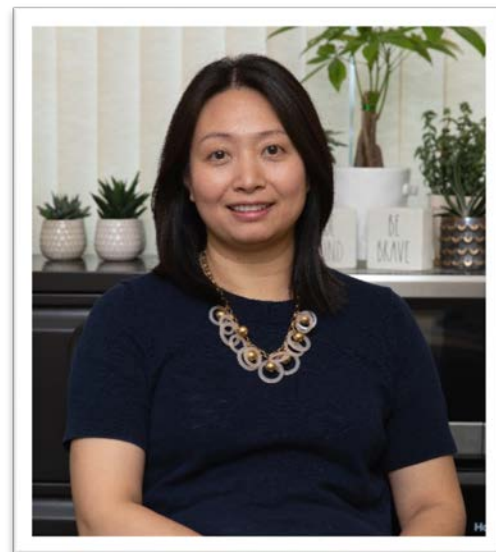
Pictured above are members from the Midyear Regional Meeting featuring (L-R) Jessica Andrews, Derek Volgyi, Corey Rowe, and David Gutenschwager.

FACULTY SPOTLIGHT: Jiemei Wang, MD, PhD

Research Focus: Non-coding microRNA, endothelial injury

1) How did your interest in research begin? How did your interest in teaching begin?

My interest in research began over 15 years ago after I completed an MD. I was practicing as physician at a hospital specializing in Cardiothoracic Medicine and shortly after, I decided to pursue PhD training. My mentor, Dr. Jun Tao, was the director of Division of Hypertension and Vascular Disease. He encouraged me to be involved in all aspects of research work, including cell culture, animal model studies and coordination in clinical trial team. It has been a wonderful research experience translating the knowledge from bench to bedside. This mentorship really shaped and guided me as a researcher, focusing on hypertension and nitric oxide in endothelial cells. After completion of my PhD, I was given the opportunity to study in the United States. I switched my focus from hypertension to diabetes with similar pathologies, specifically microRNA involvement in vascular disease in diabetics. I was also fortunate to receive grant funding as a post-doctoral fellow and later as an independent investigator from American Heart Association, and I was able to transfer these grants back to Michigan at EACPHS. I want to emphasize that the mentorship and the encouragement I received from my mentors both sparked and kept my interest in research alive and growing. Good mentorship is critical because you know when to prepare, how to prepare, and dare to take chances. Teaching has grown into one of my passions. I try to use my best and most effective ways to teach students, engage students, with the ultimate goal of teaching students to fall in love with scientific research and medical studies.



2) What has been the most challenging aspect in your field?

It was challenging to transform from a trainee researcher to branching out and becoming an independent investigator. Most students (PhD or postdoc) receive a significant amount of training on how to complete and create your own research project. However, they don't often receive enough trainings on how to be a primary investigator (PI) and to apply for grants independently, while running a cohesive lab with many trainees. Luckily for me, I was given great mentorship in this aspect and my mentors always allowed me to have first-hand experience by putting me in their positions to learn the daily duties as a PI. I was able to attend financial meetings, and prepare and write grant applications; all of which were invaluable experiences for a trainee because it made for a smoother transition to an independent investigator. Attaining adequate funding is a challenge, however new opportunities for grants appear and it seems to be a more streamlined process now to apply for grants and get them funded. Second, the challenge for myself, and many students and professors, is the balance between work and life in academia. I have two kids, aged 4 and 6, and as a working mom I have to find ways to balance the housework, kids' activities, and my own work. This really requires time management skills and sometimes continuing work late into the night after putting my kids to bed. I have learned throughout this process that having a support system in place is a key element to success, and I am very grateful for my family's help and support.

3) What has been the most rewarding aspect in your field?

The most rewarding aspect of research, to me, is creating an idea or hypothesis, and then working towards those scientific goals and watching results unfold before you! It is so invigorating and encouraging, and one success can make many previous attempts completely worthy of all the time and effort you have put in. I also find it rewarding when students like my teaching and find it instructive and helpful. When I first began teaching, I struggled with getting enough hours of sleep every night, especially at that time when I just had a baby boy, and I was still adjusting to the transition. However, after familiarizing myself with the teaching material and getting used to the program, and with the feedback from students, I was able to improve every year. I also appreciate it when I can interact with students when they have questions for me. Students need to have questions because it shows their curiosity and commitment to their learning process.

4) What advice do you have for prospective students interested in research and/or becoming a health professional?

My advice to students is to stay curious and to be persistent. You need to have questions or otherwise the research will not progress. Keep asking questions: "Why?", "How?", "Is this true?", "What if?", etc. I also recommend to any student to prepare early and stick to what you are passionate about. Making multiple attempts early gives you an understanding of how to better prepare the second time for your challenges if you should need it! Having a good mentor is also important, and creating a long-lasting relationship between your mentor and you is something to work towards.