



American Pharmacists Association-Academy of Student Pharmacists (APhA-ASP)

With 2017 behind us, it's a good time to reflect on the great things our APhA-ASP chapter did last year. Here are 10 highlights from 2017, in chronological order:

1. MPA ACE OTC/Self-care Competition – February 2017: Our Warrior team brought the Self-care Cup back to WSU – to stay.
2. SPASH and Sex, Drugs, and the Dragon – March/April 2017: These two events focused on female health and STI education for our undergraduate students at WSU.
3. APhA-ASP AME 2017 – March 2017: The APhA Annual Meeting and Expo in San Francisco was a blast by the Bay.
4. Flat Rock Towers Health Fair – April 2017: WSU student pharmacists provided a variety of pharmaceutical care services to local seniors at this event.
5. MI Adventure Park High Ropes Course – July 2017: A dozen brave souls climbed through the treetops in our annual team-building event.
6. QPR Suicide Prevention Training – August 2017: The Detroit Wayne Mental Health Authority and Generation Rx worked to provide this invaluable training for students, faculty, and community members.
7. MPA PDAC – September 2017: WSU student pharmacists gathered with over 300 other pharmacy professionals to advocate for our patients and profession in Lansing, MI.
8. Midwest Buddhist Meditation Center Health Fair – October 2017: WSU student pharmacists worked alongside other healthcare professionals at this local community health fair.
9. Community Apple Days – November 2017: Over 45 student pharmacists presented on a variety of pharmacy and healthcare topics to over 400 local high school students as part of our professional development initiative.
10. Vampire Cup Blood Drive – November 2017: WSU IPSF student pharmacists worked alongside the Red Cross to collect more than a dozen pints of blood.

Thank you to all our student, faculty and professional volunteers, and here's to another great year in 2018!



It has been a busy year for LKS so far, and it's shaping up to be one of our best years yet. We are very excited to have doubled last year's recruitment numbers, as we welcomed 14 dedicated new women into our sisterhood at initiation this November. We have also had huge success with one of our new fundraisers, Double Good Popcorn, and look forward to continuing our fundraising success with online t-shirt sales, Yankee Candle, and our famous biannual Taco Bar. This semester included an extremely interesting and informational seminar on pharmacy practice residencies, and a seminar on nuclear pharmacy.

Along with professional seminars, LKS had many successful volunteering events. We continued to lead the pharmacy school in volunteering with a local metro-Detroit organization, Vista Maria, by holding an informational session for all student leaders within our college. Also, this year, five ladies attended the LKS Annual Convention in ATL, Georgia and brought home two awards. LKS was awarded the 2017 Collegiate Chapter of the Year for the Northern Lakes Region! Along with that, the Alumni Chapter was honored with the 2017 1st Runner-Up Alumni Chapter of the year award. Our alumni chapter is extremely supportive of our collegiate chapter and gave out scholarships to help fund students who wanted to attend the convention. This school year has been very eventful and exciting, and we are very excited to see all the amazing things the newly initiated members will do in 2018.

Lambda Kappa Sigma (LKS)



Initiation at the Detroit Yacht Club.
Left to right: Jillian Jablonski, Juby Abraham, Cassandra Vann, Ruhi Deshmukh



Fighting AIDS With Nutrition (FAWN) focuses on providing fortified liquid nutrition to support those living with HIV/AIDS and other catastrophic illnesses around the world. Along with our global initiatives, we aim to be a source of education to our local community about the value of nutrition.

Over the past year, we have been able to meet our goals through various events – organizing fundraisers both within the College and with the parent chapter, participating in community health fairs including the St. John's Armenian Church Health Fair, taking part in volunteer initiatives at World Medical Relief, and hosting educational seminars for student pharmacists. We have had multiple presentations at Vista Maria, an agency that provides hope and support to vulnerable youth, in which we connect with young women and provide them with valuable knowledge about health and nutrition that they may not otherwise have access to.

Our most recent seminar was entitled "The Value and Need for Nutrition When Fighting HIV/AIDS," presented by Dr. Frankie Julian 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 further our mission for the organization.

Thanks to the dedication of the 2016 – 2017 E-board, we were able to ship nearly 400 bottles of Ensure liquid nutrition to countries in need in Sub-Saharan Africa. Our goal for the 2017 – 2018 is to increase this number and help even more people. To do this, we need the support of our EACPHS family! Keep an eye out for fundraisers throughout the semester! One main fundraiser organized by the FAWN parent chapter is the annual Tigers game every June – which is a fun day supporting great cause! Tickets can be purchased from members of the FAWN E-board at EACPHS.



WSU FAWN students volunteering at World Medical Relief in August, 2017.

Pharmacy Alliance for Community Engagement (PACE)

Over the past year, activities and organizations for the underserved have seen great success at the Wayne State University's College of Pharmacy. In order to maximize our efforts and encourage collaboration between organizations of a similar mission, the Pharmacy Alliance for Community Engagement (PACE) was created. PACE is comprised of the Community Homeless Interprofessional Program (CHIP), Diabetes Education Wellness (DEW) Clinic, and World Health Student Organization (WHSO).

The CHIP Clinic sees great pharmacy student involvement under the direction of PACE. The CHIP Clinic continues to serve the homeless population every month by providing multidisciplinary services, referrals, and interventions. This winter, PACE volunteered at and donated to the St. Paul's Cathedral Memorial Service Coat Distribution, where pharmacy students played a significant role in supplying materials and running the event. Next semester, we will be hosting a seminar comprised of panelists representing the pharmacy, medicine, and social work professions. The seminar will highlight the various roles that different professions have in providing care to patients.

The DEW Clinic is a multidisciplinary student-run clinic that operates through a partnership between Wayne State University students, faculty, and community mentors. The DEW Clinic has grown to include Pharmacy, Physical Therapy, Nutrition/Dietetics, Social Work, Occupational Therapy, and Medicine. These disciplines work together to provide free specialized care and educational resources to uninsured patients in the Detroit area. We have continued to serve as a reliable resource for patients to receive diabetes education and testing supplies. Pharmacy students have the chance to teach patients blood glucose testing techniques. The clinics are held on the first Monday of every month at the SAY Detroit Family Health Clinic in Highland Park.

This semester, WHSO has been active with fundraisers, donations, and a seminar. WHSO had a Fall Food Festival in October and a Winter Wonderland hot chocolate and dessert bar in December. We raised \$200 during the Fall Food Festival fundraiser, which we donated to Habitat for Humanity to help with hurricane relief. Additionally, this semester, we hosted a seminar with Dr. Francis Shore to discuss the refugee crisis in Greece and surrounding countries. After hearing Dr. Shore's story, we donated medication to be shipped to refugees in Greece. Next semester, we have planned volunteer involvement with Missions of Mercy, Freedom House, and Vista Maria. Missions of Mercy is a state-wide event that provides dental care to those who cannot afford it. Both Freedom House and Vista Maria are opportunities to provide medication education. In the summer, we intend to send students with the WSU medical school on medical relief trips to Haiti and Nicaragua.



Student volunteers at WHSO pie fundraiser (L-R): Tushii Rammal, Nicole Elkhoury, Dina Maskoni, Amada Fawaz, Richa Shah, Nicole El-Sayah, Ritika Jain



WHSO pie fundraiser. Students receiving pie (L-R): Marck Intig, Amir Emamjadomeh. Students serving pie (L-R): Amanda Fawaz, Nicole Elkhoury, Dina Maskoni, Richa Shah.

WSU Student Society of Health System Pharmacists (WSU-SSHP)



Discovering the DMC at Detroit Receiving Hospital (DRH)

The Wayne State University Student Society of Health-System Pharmacists (WSU-SSHP) is a professional pharmacy organization whose mission is to enhance the understanding of pharmacy practice in health-systems and provide networking opportunities for students to learn about the career directions in health-system pharmacy.

WSU-SSHP kicked-off the school year with *Discovering the DMC* at Detroit Receiving Hospital-Detroit Medical Center. During this event, student pharmacists met with the hospital's pharmacy residency director, specialists, and residents. The program began with a short presentation provided by the pharmacy's director and specialists and ended with a tour of the DMC pharmacies. WSU-SSHP also promotes student exposure to residencies early on through our annual *Residency Information Session*. This year, two residency program directors and one PGY2 pharmacy practice resident discussed what a residency is and ways students can prepare to pursue one upon graduation.

In January of 2018, WSU-SSHP looks forward to host its annual *Internship Panel*, where students will have the chance to hear about internship experiences and how to stand out during the application process. The panel will consist of 4-5 pharmacy students who currently hold an intern position in the hospital setting. In addition, our *Specialty Sessions* will take place sometime in March, where students will have the opportunity to meet in small groups with a pharmacy specialist of their choosing. The *Pharmacist Shadowing Program* will continue throughout the year, where members can shadow and network with clinical pharmacists and specialists in areas of interest.

WSU-SSHP is determined to expose student pharmacists to the varied aspects of health-system pharmacy early in their career, through the positive impact of networking and mentorship, in efforts to prepare them for their future as clinical pharmacists!

Student National Pharmaceutical Association (SNPhA)

SNPhA's mission is to plan, organize, coordinate, and implement programs geared toward improving the health, social, and educational environment of the community. This past year, members of SNPhA have been able to organize many events for the underserved community, and were a part of events that provided support to special causes such as AIDS and Chronic Kidney Disease. In September, SNPhA's e-board members attended the AIDS Walk, where they educated the public about safe needle disposal and safe sex. In October, we collaborated with University of Michigan pharmacy students and held a health fair at COTS (Coalition on Temporary Shelter) in Detroit. At the health fair, we measured blood pressure and educated individuals on many topics such as stroke, health living, smoking cessation, chronic kidney disease and many more. We also attended Vista Maria, a shelter for young girls, where we discussed mental health along with the help of Dr. Bacon. In 2018, SNPhA is looking forward to many exciting events such as our annual Parker's House of Pancakes, more health fairs, and the regional SNPhA meeting held at New Orleans! At the meeting, we hope to submit a proposal on behalf of our chapter. We will also be holding another general meeting early in the year to discuss the events coming up in detail. There are a myriad of volunteering opportunities with SNPhA for students to take part in and gain skills from. Looking forward to seeing everyone in the new year!



Sandra Mikhail taking a patient's BP at the COTS Health Fair on October 7, 2017

Associate Dean of Pharmacy: Richard Lucarotti, Pharm.D.

Tell us a little about your new position.

As Associate Dean of Pharmacy, my position entails responsibility for the full spectrum of the Pharmacy Program. The Pharmacy Program here at Wayne State includes the Pharm.D. Program, which includes more than 400 students, and also Ph.D., M.S. graduate degree programs and our fellowship programs. I work on assuring a solid working structure and environment for the full Pharmacy Program. For the Pharm.D. Program, this includes processes all the way from admissions to graduation. To build this structure, I work with the department chairs and faculty, particularly through our Committees, Admissions, Curriculum, Experiential Education, Academic & Professional Progress and Assessment to present a strong Program. This means collectively creating an environment of great learning opportunities and support for student success.



What motivated you to work with students?

I have been involved with students and teaching my whole career. My start in Michigan was a joint position between Wayne State University and Beaumont Hospital – Royal Oak. I would have WSU students with me on rotations. Then I transitioned to full-time at Beaumont Hospital where I concentrated on developing and building pharmacy services and expanding the experiential opportunities for students. Working along with my Beaumont colleagues at that time, we grew the number of students we had on-site by growing the pharmacy services we provided and increasing the number of preceptors. We also developed and then expanded the residency program at Beaumont Hospital. As many of you know I was actually on the verge of retirement last June just prior to being offered this position. One of the key reasons that lead me to change my plans and take this position is I just greatly enjoy working with students and being a contributor to their growth and development into pharmacists.

What has been your favorite memory so far at EACPHS?

One of my more recent exciting and gratifying experiences was the white coat ceremony for the current P1 students this past August. As the new Associate Dean, I presided at this special event as we welcomed them into the Program and pharmacy profession. It is a significant day in the professional life of a student. It was an uplifting experience for me to partake in and to see the “standing room only” support from the family and friends there to share in this experience with “their” student.

Where do you see the profession headed in the next 5-10 years?

I think the profession will continue in the direction that pharmacists are key direct patient care providers. The WSU Pharm.D. Program is built for, and we the faculty focus on, students gaining the knowledge and skills to be these patient care providers when they graduate and well into the future. I think students should come out of our four-year program being quite capable of providing basic drug therapy management especially in the area of chronic diseases. There is certainly room to grow after graduation through experience and further training, but after the four years of the Program students should be able to provide a basic and much needed level of care for these chronic diseases with a focus on safe and effective medication management. I think we should embrace that our profession is patient care centered.

Regarding further education and training, the place and value of residencies will continue to grow. We still struggle as a profession with the need to increase the number of residency positions as around a one-third of the residency applicants across the country who want a residency do not get matched. Nationwide, 66% of the applicants for pharmacy residencies will match for a residency. The good news for WSU pharmacy students is that around 85% of those that apply for a residency match for one. So, you have a higher chance to match for a residency as a Wayne State graduate. I would also point out that our graduates should aspire to attain board certification at some point after graduation. Board certification will be growing as a credential. Ambulatory care, as one area available for Board certification, is growing rapidly. With the further development of direct patient care as part of practice, this likely will become a credential valued by community pharmacy employers as it has for the health-system practice environment.

What advice do you have for current pharmacy students?

As pharmacists and the pharmacy profession we should want to take ownership and leadership in attaining and assuring the safe and effective use of medications. There are many facets to addressing and achieving this goal such as the aspects of purchasing, compounding, dispensing, disposal of medications; the direct patient care provision including appropriate drug and dosage regimen for the patient, patient education and counseling, and appropriate monitoring; and the overall management and leadership to further develop and address the overall goal of attaining safe and effective medication use.

As a student try to grasp and embrace the breadth of opportunities there are. Do realize that the area that will be of most need will be the direct patient care-clinical use of medications.

Also keep in mind that, as we develop practice, the growing need and importance of incorporating pharmacy technicians and technology to enable achievement of our overall goal of attaining and assuring the safe and effective use of medications.

Let the direct patient care-patient centered focus be the face of the pharmacist that the public sees and visualizes.