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Presented by:



THE SCRIPT

Spring 2022

A Message from the Senior Associate Dean:

A TRADITION OF EXCELLENCE

I firmly believe that students in the College of Health Professions are among the most gifted and well-rounded students at NDSU! To be admitted into our professional programs, our students must demonstrate a sustained commitment to academic excellence. Our students are equally committed to service - to the community, to their future health care profession, and to their current and future patients. As you read through the next few pages of The Script, you will learn about many of the amazing accomplishments of our students.

Our College's programs, as well as its faculty and staff, share this commitment to excellence. As evidence of this commitment, I would like to highlight a few of the accomplishments of our programs, and its faculty and staff.

School of Pharmacy

Within the School of Pharmacy, our Department of Pharmaceutical Sciences continues to lead in the area of research productivity. The Department's faculty hold 7 active R01 grants – the most prestigious grants awarded by the National Institutes of Health – and they continue to successfully compete for grant funding. As one example, this spring, the Department received \$350,000 in funding from DaCCoTA Clinical and Translational Research to procure Cell Cytometry (BD FACS Melody) equipment. Its faculty are also being recognized for their excellence in teaching, research and service. For example, NDSU has recommended that Dr. Sathish Venkatachalem, Associate Professor in Pharmaceutical Sciences, receive tenure, pending final approval from North Dakota Higher Education Board.

The Department of Pharmacy Practice has also been very active in research. Since January 2022, its faculty have published 12 articles in peer-reviewed journals. Department of Pharmacy Practice faculty have also been recognized for their achievements. Dr. Jayme Steig was selected for the NACDS Foundation 2022-2023 Faculty Scholars Program. Dr. Dan Kenzie was elected to a 2-year term as Communication Officer of Medical Rhetoric Standing Group within the Conference on College Composition and Communication (CCCC) and was selected to be the program chair for the 2023 Rhetoric of Health and Medicine Symposium. Dr. Mark Strand was appointed by the Governor to the ND Health Council. Dr. Heidi Eukel was awarded the Generation Rx Award of Excellence at the American Pharmacists Association (APhA) annual meeting. Dr. Lisa Richter was named an ASHP Fellow for 2022. She is now a part of an elite group of 1,004 practitioners with this honor. Lastly, the Department hired 2 co-directors of recruitment for the School of Pharmacy, Dr. Lisa Richter and Dr. Jeanne Frenzel.

School of Nursing

Faculty and staff in the school of Nursing have been highly active in a variety of activities. The Sanford Veteran Professional Development Grant was awarded to Dr Shannon Harriger. This grant will fund professional certification, modules, and continuing education for teaching and obstetric nursing. MamaNatalie, a birthing simulator, was also funded with the grant to create realistic education scenarios for nursing students in the classroom. Dr. Becky McDaniel was awarded an Essentia Health grant to offer the Mental Health First Aid program for 32 NDSU nursing students and Essentia Health employees.

An inter-disciplinary research team led by nursing faculty Dr. Kelly Buettner-Schmidt and Dr. Kolby Schaeffer Fraase, who conduct research in tobacco prevention and control, will be presenting their work at the National Conference on Tobacco or Health in New Orleans in June. The team has one podium presentation, *Zombie Blood & Pixie Tears: What's in a name? A Comprehensive Methodology for E-Liquid Label Analysis* (led by Schaeffer Fraase), as well as two poster presentations: *Are e-cigarettes for tobacco cessation the right solution?* (led by Dr. Mykell Barnacle), and *E-liquids: A systematic review of nicotine content accuracy* (led by Dr. Don Miller).

Department of Public Health

The Department of Public Health's faculty, staff, and students have also been recognized for their accomplishments. Four MPH students are in the local finals for the Map the System global competition that challenges students to rethink social, environmental, and economic impact through a system's lens. The topics of the student group submissions include "Sex Trafficking in North Dakota" (Omobosinuola Shyllon, Khalaf Ismail-Abderrezaq, and Hannah Rayel) and "Water Access in the Navajo Nation" (Leonela Nelson and teammates from other MPH programs).

Dr. Paul Carson, Professor of Practice in the NDSU Department of Public Health was selected to present the 61st Faculty Lectureship entitled "Two Years on a Pandemic Frontline: Lessons Learned and Reflections for the Academy" on April 19, 2022. The Faculty Lectureship is one of the oldest and most prestigious awards given at NDSU.

Dr. Pamela Jo Johnson, MPH, PhD has been invited to join the advisory board for the Region 4 Network of the National Library of Medicine (NNLM). The mission of the NNLM is to advance the progress of medicine and improve public health by providing health professionals with equal access to biomedical information and improving individuals' access to information to enable them to make informed decisions about their health. Lastly, Madison Marion, NDSU MPH graduate, was hired as the new Academic Coordinator. She will be starting on May 2. Maddy has been the project manager for the Immunosurveillance and Experiences of COVID project (Co-PIs Dr. Paul Carson & Dr. Pamela Jo Johnson) for the past year.

Department of Allied Sciences

A number of students in the Department of Allied sciences were accepted into hospital based internships. Thirteen Respiratory Care students were accepted into the NDSU/Sanford Fargo Respiratory Care Internship. Seven

Medical Laboratory Sciences students were admitted to internships at a number of hospitals, including Sanford Health Fargo, Nebraska Methodist (in Omaha, Nebraska), and Mercy College of Health Sciences (in Des Moines, Iowa). Eight Radiologic Sciences students were admitted to the Sanford School of Sonography in Fargo. Lastly, 38 additional Radiologic Sciences majors were admitted to their two year internships at a variety of hospitals in the region, including Sanford Health (at its Fargo, Bismarck, and Sioux Falls locations), Avera McKennan (in Sioux Falls, South Dakota), Unity Point (in Des Moines, Iowa), the St. Cloud School of Diagnostic Imaging (in St. Cloud, Minnesota), the Veterans Administration Medical Center (in Minneapolis, Minnesota), and St. Luke's College (in Sioux City, Iowa).

Health Services Program

The Bachelor of Sciences in Health Services (BHS) program continues to be operated out of the Deans Office. Since its creation three and a half years ago, the program now boasts 28 majors. This past December, the program graduated its second and third students. Another two students are scheduled to graduate this May. The BHS program also collaborates with the Doctor of Pharmacy Program to offer the "Pharmacy Technician Pathway", a unique opportunity for pharmacy technicians who earned their credentials at a community or technical college to meet all Doctor of Pharmacy admission requirements along with their bachelor degree. The Pathway is relatively new, and will be refined over time to offer a flexible, but rigorous, opportunity for pharmacy technicians to pursue a Doctor of Pharmacy degree.

I want to congratulate all of our students, faculty, and staff for their accomplishments this semester. Your hard work, academic achievements, and commitment to service are truly commendable!

The end of the entire academic year is an especially challenging time. For the past 9 months, you have continuously balanced all of your work, classes, service expectations, and other life responsibilities. As you make that last push to gear up for final exams, write that last paper, or prepare that class presentation, life becomes more stressful. I encourage you to make time for self-care, and find positive ways to reduce that stress. For students, if you are struggling with your mental health and well-being, the NDSU Counselling Center is available to assist you, and I encourage you to contact them.

Sincerely,

Dan Friesner, Ph.D., Senior Associate Dean and Professor, NDSU College of Health Professions

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

By: Sarah Wirz, President-Elect

The American Pharmacists Association-Academy of Student Pharmacists (APhA-ASP) is a professional pharmacy organization meant to be a collective of student pharmacists' voices and talents with the shared purpose of creating a positive impact for our students, in our community, and to advance the future of pharmacy.

This past year, our organization has been proud to bring education and opportunities to students as well as the surrounding community. We have provided patient education on topics such as OTC safety and immunizations through social media posters. Student pharmacists have provided immunizations through local pharmacies and ran a blood donation drive through Vitalant. At Family HealthCare, we provided screening for Hepatitis C. Our women's health drive brought baskets of feminine products to women at the YWCA. Finally, our students engaged with speakers who provided information on finance management after college as well as career opportunities through Walgreens.

Ten of our members also had the opportunity to attend the American Pharmacists Association Annual Meeting and Convention over spring break. They traveled to San Antonio where they participated in conversation about organization legislation, did workshops with other student members across the country, and celebrated the achievements of APhA-ASP from this past year.

As we look forward to next semester, we are grateful for the projects completed by our outgoing P3s and are excited to welcome new members! Our meetings are on every other Wednesday in Sudro 21, and we would love to see you there!



The College of Health Professions Ambassadors (CHP)

By: Anna Skarphol, Public Relations Chair

The College of Health Professions Ambassadors is a selective, interprofessional organization that works with prospective students, current students, and alumni to promote NDSU's College of Health Professions and serve the community. Our organization includes both pre-professional and professional students within each discipline in the College of Health Professions.

This year has been busy for the CHP Ambassadors. This past month, we were able to welcome 16 new ambassadors into our organization! Members from our organization had the privilege of providing tours of Sudro Hall and Aldevron Tower to prospective high school students at Discover NDSU. This was a great opportunity for the College of Health Professions to show off our state-of-the-art nursing simulation lab and pharmacy lab spaces. We have also been keeping busy with our annual fundraiser – the Battle of the Cents-es. This is a week-long fundraising battle between our organization and the College of Engineering Ambassadors. This year we were able to raise more than \$3,500 to help out a pharmacy student and his wife who recently lost their newborn daughter to a rare heart condition. In addition to recruitment events and fundraisers, our organization had the opportunity to host an Indian Health Services (IHS) Educational panel for our MAPP (Multicultural Affairs in Professional Programs) project. Students learned about internship and career options with IHS. We have many more events coming up this spring, including a HOPE INC. wheelchair softball game between our college and student government, and we are looking forward to continuing to serve NDSU and the community.

Go Bison!



Christian Pharmacists Fellowship International (CPFI)

By: Celia Mix, President

Christian Pharmacists Fellowship International (CPFI) is a worldwide ministry of individuals working in all areas of pharmaceutical science and pharmacy practice. Its mission is to provide fellowship among pharmacy professionals, challenge and promote spiritual growth, encourage the advancement of knowledge and ethics in the practice of pharmacy, integrate faith into practice, and provide support and opportunity for service in both local and global missions.

As an organization, we have had the opportunity to serve our local community, as well as communities around the world. We host a yearly appreciation breakfast for the faculty and staff of the School of Pharmacy. CPFI works globally with an organization called Sole Hope to cut out fabric from jeans. These repurposed denim cut-outs are sent to Uganda to be sewn and worn by children to prevent jiggers from burrowing into the skin on their feet. For our MAPP project this semester, we were able to prepare the material for 22 pairs of shoes!

CPFI holds monthly devotional and prayer meetings on campus with guest speakers to discuss various topics in faith and pharmacy. We are also excited to send a representative to CPFI's Annual Meeting and 5-day retreat in Flat Rock, North Carolina this June.

The NDSU student chapter of CPFI was established in Fall of 2003. Its purpose is to unite, support, and strengthen the faith of Christian pharmacy students, faculty, and staff within the College of Health Professions. If you have any questions or would like to know how you can join CPFI, please reach out to me at celia.mix@ndsu.edu. Thank you!



Kappa Psi Pharmaceutical Fraternity

By: Makenna Hesch, Historian

Kappa Psi Pharmaceutical Fraternity is the largest and oldest pharmacy fraternity, founded in 1879 in New Haven, CT. Our fraternity is co-ed, and we welcome both pre-pharmacy and pharmacy students. Our mission is to promote leadership, philanthropy, and advancement in the profession of pharmacy.

Kappa Psi members are given many volunteering opportunities to gain leadership experience. Each fall, we hold our largest philanthropy event, Fries with Kappa Psi, where we raise money and collect books for Reach Out and Read. We participate in smaller volunteering events as well, such as participating in vaccine clinics and helping make tie blankets for children in need with Project Linus every semester.

Kappa Psi is different than other pharmacy organizations as we are a part of NDSU Greek life. We are looking to enhance the fraternity experience by collaborating with other Greek chapters. This winter, we hosted an outdoor ice-skating event with Phi Delta Theta and Alpha Gamma Delta. We enjoyed collaborating with the other chapters, and we plan to continue and expand these partnerships.

This spring, our chapter had the opportunity to travel to Milwaukee, WI to attend the semesterly province assembly. This event brings together all Kappa Psi's in the region and is intended to develop ways to improve our organization while promoting leadership within the pharmacy profession. With this being the first in-person province assembly since the beginning of the pandemic, our chapter was ecstatic to be able to network with others in-person and reconnect with old friends.

Other benefits of Kappa Psi include officer and committee positions for members to enhance their leadership and teamwork skills, engaged alumni that love to tell stories about becoming successful pharmacists, and many Kappa Psi scholarships that are rewarded to members for their achievements. If you are interested in joining or want to learn more about Kappa Psi, please email xavier.pahl@ndsu.edu.



National Community Pharmacists Association (NCPA)

By: Leandre Kalhagen, Secretary

The NDSU National Community Pharmacists Association (NCPA) consists of both pre-professional and professional students. Our organization's focus is on independent community pharmacy, pharmacy ownership, and serving the community.

As an organization, NCPA helps to serve within the Fargo-Moorhead community by participating in various outreach events and volunteer opportunities. Last fall, NCPA volunteered at the Dorothy Day food pantry, assisting in various ways, such as sorting food donations, preparing food carts for guests, and helping guests to load their cars. This semester we recently completed a book drive where we donated 130 various children's books to the Sanford NICU. These books allow new parents to bond with their children when the circumstances of their care make it difficult for parents to interact with their new baby.

In addition to our volunteering events, NCPA also hosts guest speakers that talk on new/relevant topics or interesting avenues within community-based pharmacy practice. So far this semester, Dr. Brody Maack, an ambulatory care pharmacist at Family Health Care and professor at NDSU, spoke on the pharmacist's new role in tobacco cessation in community practice. Also, Dr. Leslie Satterlund, a pharmacist at Prairie Pharmacy and Green Goods, a cannabis dispensary in Moorhead, spoke on her non-traditional community experience and other avenues of pharmacy practice. Additionally, Robyn Litke Sall of Fargo Cass Public Health will be speaking on naloxone administration later this spring.

Lastly, NCPA will be sending a group of its members to the NCPA National Convention in Kansas City, MO in the fall. This annual convention provides students with an excellent opportunity to begin networking with pharmacists and other pharmacy students and learn more about independent community practice through different presentations and student activities.

NCPA is a fantastic organization to be involved in within the College of Health Professions. If you are interested, please join us at our monthly meetings in Sudro 22. We are looking forward to a great spring semester!



North Dakota Society of Health-System Pharmacists (NDSHP)

By: Sarah Wirz, Historian

NDSHP is a professional pharmacy organization tailored to students interested in a career within the health-system discipline following graduation. This includes a wide variety of settings including hospitals, clinics, long-term care, and more. Our focus is to educate and provide opportunities for pre-professional and professional pharmacy students concerning residency, outreach and service, and pharmacy practice.

Our organization ended the fall semester by financially supporting students attending the ASHP Midyear meeting. Students who attended Midyear were able to see poster presentations, hear from speakers around the country, and learn more about the future of pharmacy.

This spring, we sent Valentine's Day cards to residents in assisted living, heard from residents and pharmacists working in hospital pharmacy and as a medical science liaison, and fundraised through working concessions at sporting events at the SHAC. Our organization was also proud to host the Pharmacy Ball on March 26th, in which pharmacy students and guests had a glamorous night of dinner and dancing.

We look forward to transitioning in a new executive team before the end of the year and are more than excited to welcome new members for the fall of 2022. Our meetings are in Sudro 22 at 12:00 PM throughout the semester, and we are happy to see you there!



Phi Lambda Sigma – Pharmacy Leadership Society (PLS)

By: Rose Yang, Historian

Phi Lambda Sigma (PLS) or Pharmacy Leadership Society is a professional pharmacy organization with the goal of encouraging, promoting, and recognizing the development of leadership skills among our members. Students are invited into the organization each fall based on involvement, leadership experiences, and scholarship.

Our organization promotes several activities in order to foster leadership skills. Each fall we participate in the Charles Thomas Leadership Challenge. The purpose of this challenge is to develop a series of events that will further leadership in the profession of pharmacy. This past semester, we proposed a series of events to promote advocacy of pharmacy from students, faculty, and alumni. The residency workshop was an opportunity we offered to students this past fall semester who were interested in a residency. We went over program requirements and CV preparation, and gave students an opportunity to speak to pharmacy residents. We will be hosting the Etiquette Dinner this spring, April 5th, which will give students the opportunity to learn proper dining etiquette and the opportunity to meet other students, faculty, and pharmacists. The MAPP Project will be held this April, PLS members will volunteer at the FamilyHealth Care Clinic while educating patients on smoking cessation. PLS also encourages members to attend national meetings and for these members to bring back and present information that was learned to the rest of our organization. We did send delegates to the APhA Annual this past March. We will also be sending delegates to the National PLS House of Delegates meeting this April.

If you are interested in joining PLS, applications will open in the Fall for P1s-P3s. Please contact rachel.markham@ndsu.edu or baylee.j.berg@ndsu.edu if you have any questions!



Pediatric Pharmacy Association (PPA)

By: Sydney Dykhuizen, President

The Pediatric Pharmacy Association (PPA) at NDSU is committed to educating student pharmacists and the community on safe and effective medication use in children. Our mission is to equip student pharmacists with the experience and knowledge necessary to understand the unique needs of the pediatric population.

This semester PPA at NDSU hosted multiple large-group meetings, volunteering, and fundraising events. Our meeting topics included child life specialists and child immunization specialists. We helped serve the community through volunteer work with Hope Blooms and the Ronald McDonald House. We also created and distributed a medication safety pamphlet for children at the NDSU daycare. We hope to expand this outreach in the coming years to other local daycares/schools.

On May 6 from 11-2 pm, PPA at NDSU will be hosting a freeze pop fundraising sale to raise funds for our members to attend the national spring PPA conference in Norfolk, Virginia.

We are excited to provide the community with the unique perspective of pediatric pharmacy and advocate for safe medication use in the pediatric population. If interested in learning more about PPA at NDSU, contact sydney.dykhuizen@ndsu.edu.



Rho Chi

By: Katelyn Ogburn, Historian

Rho Chi is a pharmaceutical academic honor society that seeks to advance the practice through intellectual leadership, achievement, and collaboration. This spring, we are excited to welcome our 12 newest honor members from the class of 2024 and celebrate our 100 year anniversary!

Over winter break, we were able to collaborate with SCCP and APhA on our MAPP project to help underserved communities. This year, we made tie blankets to add to our gift baskets for the residents of Eventide senior living facilities in south Fargo and West Fargo. We were also able to give manicures and left puzzles and snacks for future fun.

This year is Rho Chi's 100th anniversary! A nationwide celebration was held in Texas at the end of March, with individual campuses choosing their own respective dates for their own celebrations. The NDSU chapter will hold our own celebration in the coming weeks to reflect on years past, enjoy the present, and plan for the future. We look forward to the times ahead with our 12 new members! For any questions, email katelyn.s.ogburn@ndsu.edu.

Photo: NDSU Rho Chi members making tie blankets to give to residents at Eventide senior living facilities.

