

The Future Pharmacist

school of pharmacy newsletter

FALL/WINTER 2011-12



Dean's Corner

Greetings from the Union University School of Pharmacy! We finished up a very busy summer in August by welcoming 63 eager and gifted members of the Class of 2015. Dr. William Greene, Chief Pharmaceutical Officer for St. Jude Children's Research Hospital, presented the keynote address at the White Coat Ceremony followed by a gala reception at the Carl Grant Events Center.

The induction of this class into our program was very meaningful in that it signified the admission of the full complement of charter classes into the Union University School of Pharmacy. We now have a full house of P1 through P4 students in various stages of progression through our program.

In addition to a new class of students, we are also pleased to have talented new members of our faculty and staff joining us this semester. Dr. Joy Greene, Assistant Director of Experiential Education and Associate Professor of Pharmacy Practice, comes to us with years of experience from Wingate in North Carolina. We have two new Assistant Professors of Pharmacy Practice, Dr. Bethany Murphy, from Ohio Northern University and Dr. Jennifer Byrd, from the University of Mississippi Medical Center. Aven Humphreys was promoted to Director of Pharmacy Outreach and Rita Conaway assumed the position of Administrative Assistant to the Dean. Kristina H. Martin has joined our staff as Pharmacy Admissions Coordinator.

Activities too numerous to mention have been ongoing during this semester on campus and in the community. One very important initiative has involved the intense student promotion and administration of influenza and pneumococcal vaccinations throughout the community. Our students became television stars as they gave an immunization on live television to the morning TV anchor of the ABC affiliate station in Jackson, as well as on the Jackson 24/7 public television station. More than 500 immunizations have been given throughout the community by our students and faculty.

The Annual Preceptor Fair and Residency Showcase was held at the Grant Center in October. Representatives from many major hospitals and a variety of community and other pharmacy venues were present and greatly appreciated. It is always rewarding and a pleasure to have members of our external preceptor family on campus. We greatly value this partnership with members of our professional family as together we train outstanding future practitioners.

Thanks to all of you who have had and continue to play a role in the tremendous success of this program. You are valued and appreciated.

**May God continue to bless us all, and
To Him alone be all the glory!**

Sheila Mitchell, Pharm.D., FASHP
Dean, School of Pharmacy, Union University

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*The mission of the Union
University School of Pharmacy*
is to develop compassionate,
comprehensively trained
practitioners who are equipped to
meet the immediate and future
demands of pharmaceutical
science and patient care in an ever
changing health care environment.

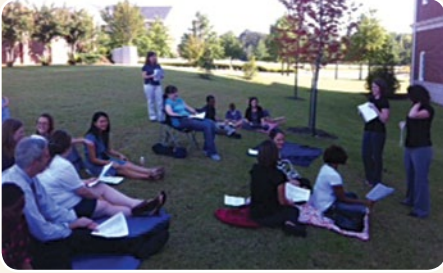


UNION UNIVERSITY
SCHOOL of PHARMACY

Student Organization Updates

CPFI

The student chapter of Christian Pharmacists Fellowship International (CPFI) held a praise and worship session on the lawn of Providence Hall. The



mission of CPFI is to encourage spiritual growth among fellow pharmacy students, faculty, and staff through Bible study, prayer, and fellowship to in turn be as a city on a hill that cannot be hidden and the light to a darkened world (Matthew 5:4). Faculty, staff and students alike gathered for a break from the stresses of daily life to offer up a period of song and prayer to our God. It was a wonderful time of renewal and reminded those present that who we serve is greater than anything that may be affecting us.

He is capable of getting us through the trials of life. CPFI Vice President, Rebekah Littleton, sent out weekly emails of scripture and encouragement to every member of the UUSOP family.

SSHP

Fourth-year student members of Union's Student Society of Health-System Pharmacy (SSHP), Andy McLaughlin and Houston Wyatt, won the School-level Clinical Skills Competition and advanced to the national competition hosted at the recent American Society of Health-System Pharmacists (ASHP) 46th Annual Mid-Year Meeting in New Orleans, Louisiana. The competition allows students to demonstrate their ability to think critically and create a therapeutic care plan for a unique patient scenario. Students from 115 schools and colleges of pharmacy were represented in the competition. More than 20 Union faculty members and students attended the meeting participating in various continuing education and networking opportunities with pharmacists and students from across the country. Fourth-year pharmacy

students attended the Residency Showcase, making connections with residency directors and employers from a variety of PGY-1 programs.

NCPA

The student chapter of the National Community Pharmacist Association (NCPA) recently hosted a canned food and toy drive to benefit the families and children at the Dream Center. The Dream Center is a local Christian organization that provides housing for women and their children while the mothers find jobs to get back on their feet. Students collected a total of 90 canned food items and 306 toys throughout the first few weeks of November, which were delivered to the Dream Center in mid-November by NCPA members.



Class of 2015



APhA-ASP

Operation Heart



A mission of the American Pharmacists Association Academy of Student Pharmacists is to improve healthcare in our community through patient-care projects. One project in particular is called Operation Heart. Operation Heart is designed to improve public health by helping patients understand, identify, and manage their risk for cardiovascular disease. At the West Tennessee Health Fair, APhA-ASP members helped patients better manage their medications for heart disease, encouraged healthy lifestyles, and provided education on cardiovascular disease and its associated risk factors. Services provided include checking blood pressure, body mass index, and blood glucose measurements. Other health initiatives included the provision of dietary or weight counseling and smoking cessation information. Students reached more than 250 people through this event.



Other local events included the March of Dimes March in Humboldt on October 22, 2011, and the West Tennessee Heart Walk on November 5, 2011.

Generation Rx Project

The mission of the Generation Rx project is to raise awareness among a variety of individuals, such as pharmacists, pharmacy students, healthcare providers, parents, and students about prescription drug abuse. APhA-ASP has participated in several events to educate such individuals. To reach elementary, middle, and high school students and parents, APhA-ASP set up a table at several local high school football games and gave out information

about prescription drug abuse. The group also assisted with the FDA National Take Back Day by helping the Jackson-Madison County narcotics department properly dispose of prescription drugs.

A Generation Rx themed continuing education program was hosted by APhA-ASP for local pharmacists, nurses, pharmacy, nursing and undergraduate students. APhA-ASP student members,



chapter advisor Dr. Kim Jones, and featured guest speaker Byron Maxedon, a Narcotics officer for the Jackson Police Department, presented "A Prescription to Prevent Prescription Drug Abuse." Presentation attendees received one hour of live continuing education credit. APhA-ASP will provide several other educational opportunities in the upcoming months.

Flu Immunization Clinics

APhA-ASP has hosted thirteen different flu clinics this fall around the Union and Jackson community. To date, APhA members have treated 541 patients providing influenza, pneumococcal, and zostavax vaccinations. Kroger, SuperD, Walgreens, and Dyersburg City of Public Works are just a few of the places APhA-ASP members have reached out to in order to try to get as many patients in the West Tennessee community immunized against the flu. Students have also organized flu clinics at Area Relief Ministries and the Dream Center, two charitable organizations in the Jackson area.



TSSP

In July 2011, members of TSSP attended the Tennessee Pharmacists Association Annual Meeting in Kingsport, TN.



Attending the Exhibitions.



OTC Competition Team with Coach Dr. Cindy Fisher.



OTC Competition with our supporters.



TPA Group Photo

New Faculty

We are thrilled to welcome three new faculty members to our program: Dr. Jennifer Byrd, Dr. Joy Greene and Dr. Bethany Murphy.



Dr. Jennifer Byrd received her Pharm.D. from the University of Tennessee College of Pharmacy in 2010. She then went on to complete a PGY-1 residency with emphasis in ambulatory care with the University

of Mississippi Medical Center in Jackson, Mississippi. Dr. Byrd serves as an Assistant Professor of Pharmacy Practice at Union University School of Pharmacy. In addition to teaching, she currently practices at Skyline Cardiovascular Institute and is also working to establish ambulatory care services at Jackson Clinic, where she will precept students on Advanced Pharmacy Practice Experiences.



Dr. Joy Greene received her Pharm.D. from the University of North Carolina School of Pharmacy. She worked in a community practice setting before joining the Faculty of Wingate University School

of Pharmacy. She joined the Union University School of Pharmacy in 2011 where she serves as Assistant Director of Experiential Education and Associate Professor of Pharmacy Practice. (See Faculty Spotlight for more information on Dr. Greene.)



Dr. Bethany Murphy received her Pharm.D. from Ohio Northern University. She then went on to complete a PGY-1 residency at Ohio Northern with a focus on ambulatory care and teaching. Dr. Murphy

now serves as an Assistant Professor of Pharmacy Practice. In addition to teaching, she currently practices at Skyline Cardiovascular Institute and is also working to establish ambulatory care services at Jackson Clinic, where she will precept students on Advanced Pharmacy Practice Experiences.

AAPS DC Meeting

In late October the **American Association of Pharmaceutical Scientists** (AAPS; www.aaps.org) held its **25th Annual meeting** at the Walter E. Washington Convention Center in Washington, DC. Pharmaceutics professors from the Union University School of Pharmacy (Dr. Richard Addo and Dr. Joel Owen) and a second year pharmacy student (Priya Mohan) attended the meeting and benefitted from excellent scientific programming,



networking opportunities, and exhibits from many vendors in the pharmaceutical industry. Janet Woodcock, M.D., Director of the Center for Drug Evaluation and Research at the Food and Drug Administration (FDA) spoke in the opening session. Francis Collins, M.D., Ph.D., Director of the National Institutes of Health (NIH) and former Director of the Human Genome Project, spoke on the dramatic progress being made in finding genetic causes of disease and the roles that clinical pharmacology and pharmacometrics will play in developing this knowledge into approved products, especially for rare diseases. John C. Lechleiter, Ph.D., CEO of Eli Lilly and Company spoke on changes in the business environment in the pharmaceutical industry and new models that companies like Eli Lilly are using to succeed in the face of these new challenges. Technical presentations in numerous related disciplines were made throughout the five day meeting.

Priya Mohan attended the Student Chapter Meeting with AAPS President Dr. Philip Meyers and students from other national and international universities. "It was really great

and I had an opportunity to talk with them and to learn about the current trends," reported Priya. She also attended the Student

Mentoring breakfast, where she had a chance to speak with individuals experienced in the pharmaceutical industry. Questions were addressed regarding the future job market and how students should prepare themselves to be more competitive. She returned from the

meeting feeling that "this was a great exposure to the real world."

Dr. Addo and Dr. Owen attended a meeting for faculty advisors of AAPS student chapters. Many ideas were shared regarding activities of various chapters and the support that AAPS is providing to students interested in the fields related to pharmaceutical research.

The Union University Student Chapter of AAPS was officially constituted in December, 2010. During the Fall 2011 semester student members have volunteered at RIFA, a local relief agency, ran a 5K to raise money for the American Cancer Society, and visited the Cancer Research Institute in Henderson, TN. These activities were planned under the excellent leadership of the chapter chairperson, Kate Wilcoxon, a second-year student at Union. On Monday, November 21st, Joga Gobburu, Ph.D., the former Director of Pharmacometrics at the FDA, spoke to students at Union regarding the field of pharmacometrics.

AAPS is an important organization providing pharmacy students educational opportunities related to drug research and development, and many opportunities for service.

Research

The **UUSOP** chapter of **AAPS** provides a professional and exciting learning environment and exposure to pharmaceutical science research for students in the Pharm.D. program. They seek to advance members' knowledge, to allow students to network and assume leadership positions, and to create awareness of career opportunities. "The blessing and the opportunity to conduct research here at Union not only helps us expand our own horizons, but also enables us to help as many people as we can reach, which is a foundation of the field of pharmacy," said Neil Hunter, Pharm.D. candidate and AAPS chapter member.

In February, the chapter hosted Dr. Jerry T. Thornwaite, director of the Cancer Research Institute of West Tennessee, to discuss the role of antioxidants, antiangiogenesis, and immune enhancement in health and wellness and his involvement in the discovery of natural killer cells.

A unique curricular innovation at Union provides Pharm.D. students with an opportunity to participate in basic science research during advanced pharmacy practice experiences. This allows students like Neil to gain research experience and be more competitive when

applying for residencies, fellowships, and pharmaceutical industry positions. Priya Mohan, another student member stated that "The distinguished faculty members at the School are innovative and are actively involved in pursuing in-depth research. This encourages me to develop my own research skills, in addition to obtaining a Pharm.D. degree, and helps to achieve my personal research objectives." Elective courses support student research at Union. Research electives include an introduction to population PK/PD modeling with NONMEM™ and courses in the areas of drug-design and chemical synthesis.

Even though the pharmacy program at Union University is young, the school already has active research programs in the basic pharmaceutical sciences. Utilizing over 8,000 square feet of state-of-the-art laboratory space, Union professors and student researchers are working tirelessly to develop research programs aimed at developing new anti-infective, anti-cancer, and anti-bioterrorism agents through structure-based drug design and organic synthesis. Other ongoing research activities include studies in pharmacometrics. Collaboration with Makerere University in Uganda is evaluating the pharmacogenomics of an AIDS drug.

Basic pharmaceuticals research is assessing the stability of extemporaneously compounded preparations, novel dosage-form design, and protein and oral vaccine delivery using micro- and nanoparticles. Collaboration with a compounding pharmacy on the stability of compounded products is ongoing.



With a strong commitment towards student research, the chapter encourages students to present results at local, regional and national conferences. In May of 2011, several chapter members presented at the 8th Annual Union University Scholarship Symposium. Their work encompassed molecular modeling studies, solution-phase parallel synthesis, and total synthesis of an anti-cancer agent.

The core values of Union University are to be excellence-driven, Christ-centered, people-focused, and future-directed. The student chapter also holds these values.

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Preceptors

SAVE THE DATE!

March 8, 2012 – 6:30 pm

3rd Annual Preceptor Banquet

Invitation to follow

2010-2011 Preceptor of the Year named

Pharmacy students at Union University were given the opportunity to nominate a pharmacist for the 2010-2011 Preceptor of the Year Award. Students were asked to nominate a person that did an exceptional job in teaching, mentoring, and allowing them to gain insight into the practice of pharmacy during the past

twelve months. Students were required to write a short paragraph explaining why their preceptor deserved special recognition.

Based upon student letters of nomination, the Honors and Awards Committee and the Experiential Education Committee selected **Dr. Marilyn Hutchison** as the Union University School of Pharmacy 2011 Preceptor of the Year.

A nominating student wrote, "A great pharmacist is not only one that knows the whole spectrum of their profession but a person that is generous, kind, and an overall great person. Dr. Marilyn Hutchison exemplifies these qualities and actually goes beyond that."

Another student wrote, "I was pleasantly surprised with the active role she allowed me to play." The student went on to write, "While I was there she made me feel included in the team and answered any questions I had. She gave me constructive criticism and corrected

me where I was wrong, but she never made me feel inferior. At times, she shared past experiences she had as a pharmacist that had an impact on her practice. She was very encouraging and seemed happy to help me."

Dr. Hutchison is a graduate of the University of Tennessee College of Pharmacy. She has worked for West Tennessee Healthcare since 1989 and has been the Director of Pharmacy at Humboldt General Hospital since 2003. She has been a preceptor for Union University since 2008 and is a member of the inaugural class of preceptors.

Dr. Hutchison received a *Preceptor of the Year* plaque from the School of Pharmacy at the Preceptor Appreciation Banquet on March 31, 2011. The Union University School of Pharmacy owes a tremendous debt to Dr. Hutchison and all of the preceptors who work diligently to train pharmacy students.



Faculty Highlight

Dr. Joy Greene completed her Pharm.D. at the University of North Carolina in 1998. After graduation, she and her husband, Bryan, moved back to their hometown to begin their new life together. Within the next few years, Dr. Greene gained extensive experience in community pharmacy by opening two independent pharmacies from the ground up. During her years of practice, Dr. Greene provided clinical services to her patients including diabetes and hypertension clinics where she discovered her love for teaching patients and precepting students. When asked about teaching, Dr. Greene replied, "I was born to teach! I remember in high school giving a lecture to my chemistry class having an overwhelming feeling of joy afterwards. In pharmacy school, I remember the excitement I felt when I was required to present a topic to my



peers. Later in life, I saw a need at my church for a college Sunday school class and I volunteered to teach them. It was in this class that God began teaching me how to teach others. I taught this class for 12 years and throughout those years, God sparked a passion in me for teaching. I knew this was His calling on my life." After practicing pharmacy for seven years, Dr. Greene joined

the faculty of Wingate University in N.C. She and her family lived close to Wingate, so in her mind her life was set. She planned to stay at Wingate until retirement. God had a different plan! In 2008, after learning of Union from the media surrounding the tornado, God began to work in Dr. Greene's life and the life of her husband, Bryan, to move their family to Jackson. It would take three years before the Greene family would make their way to Western TN, but finally, Dr. Greene joined the faculty at Union University School of Pharmacy in June, 2011. Dr. Greene has a passion for teaching students and a passion for writing and leading Bible studies. Along with her love for teaching, she is excited about having an ambulatory care practice site in the coming months. She and her husband have two children, Ellie and Sam.

Student Highlight



Fourth-year student **Heather Basinger** completed an Advanced Pharmacy Practice Experience with Dr. Adrian Cross at Walgreens on Skyline Drive in Jackson, Tennessee.

When asked about her experience, Heather Basinger said, "Dr. Cross was very good at taking patient scenarios and asking me what I would do in certain situations. He taught me how to think outside the box (school) and make a decision based on real-life scenarios. I was given the liberty to do what the pharmacist does and that has boosted my confidence tremendously."

CPE Monitor

In the near future, Union University School of Pharmacy, as well as all providers of Continuing Education (CE), will no longer provide you a paper or hard copy statement of CE credit because recording and tracking of your continuing education credits will be managed online. Beginning Fall 2011, the National Association of Boards of Pharmacy (NABP), the Accreditation Council for Pharmacy Education (ACPE) and their providers such as Union University, will allow pharmacists and technicians to easily track their **ACPE-accredited continuing pharmacy education (CPE) credits**. The system will direct electronic data from ACPE-accredited providers to ACPE and then to NABP, ensuring that CPE credit is officially verified by the providers. Once information is received by NABP, pharmacists and pharmacy technicians will be able to log in to access information about their completed CPE activities. After a transition period, ACPE-accredited CPE providers will no longer be required to distribute statements of credit. It will also offer state boards of pharmacy the opportunity to electronically authenticate the CPE units completed by their licensees, rather than requiring pharmacists and technicians to submit

proof of completion statements upon request or for random audits.

To prepare for the new process, pharmacists and technicians must obtain their unique NABP e-Profile identification number as soon as possible. To obtain your ID, you will need to create an NABP e-Profile using the portal in the Pharmacists section of the NABP Web site at www.nabp.net/pharmacists and click on "CPE Monitor."



Technicians can obtain their ID by creating an NABP e-Profile using the portal in the Technicians section of the NABP Web site at nabp.net/technicians. The e-Profile ID will be required to receive credit for any CPE activities taken from ACPE-accredited providers.

Staff News



Rita Conaway, CPS, has assumed the role of Administrative Assistant to the Dean. Rita held various positions for 22 years with Pentair/Black & Decker, including accounting, office support, marketing,

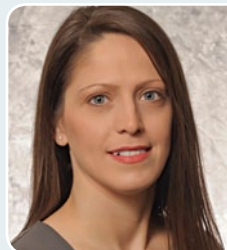
public relations and trade show/event planning. She is originally from Savannah, Tennessee, but has lived in Jackson with her husband Eddy for the past 22 years. They have one son, Brandon, who is a junior and member of the soccer team at University School of Jackson. Rita is very involved with her church family at West Jackson Baptist Church and serves on the board of the USJ Bruins Club.



Aven Humphreys, CMP, has been promoted to the position of Director of Pharmacy Outreach. She

is a Certified Meeting Professional and worked for professional associations such as the Tennessee Bar Association, Tennessee Medical Association, and Tennessee Pharmacist Association. She received her B.S. in Communications from Harding University and went on to do a Summer Institute in Public Relations with New York University in New York City. Aven is a native of Jackson and is happy to be living back near family and friends. She is a Wish Granter with the Make-A-Wish Foundation of the Mid-South and a member at Campbell Street Church.

Kristina Martin has assumed the role of Pharmacy Admissions Coordinator. She is transitioning within Union University coming to us from the Student Financial Planning office. Prior to that position, she worked for Black & Decker for 10 years as Internet Brand Manager for the PORTER-CABLE and DELTA brands. She and her husband, Josh, have lived in Jackson for the past 13 years. They have two children, Hunter and Faith, who attend Trinity Christian Academy. Kristina is chair of the Child Development Center Committee and sits on the Personnel Committee at First Baptist Church of Jackson. She is also an AWANA leader, her husband is a youth group leader, and her son is a camera technician at First Baptist.





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1050 Union University Drive
Jackson, Tennessee 38305

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uu.edu/programs/pharmacy

School of Pharmacy Outreach

The School of Pharmacy is blessed with service-oriented students. Reflecting the People-Focused and Christ-Centered core values of Union University they love giving back to Union and the Jackson community.

School of Pharmacy faculty and staff participated in Undergraduate Move-In Day on August 12, 2011, by providing water to students and families. Dr. Kim Jones kindly loaned her 4WD Bad Boy Buggy for the day so cold bottles of water could be delivered around to the freshmen housing areas. Water deliveries



were well received by families and students alike.



On October 27, 2011, several of our faculty, staff and students participated in The Women's Clinic Take Your Girls Night Out 5k and Fun Walk to benefit Breast Cancer Research. Our own Melissa Quinn (Class of 2014) placed 2nd in her age group. It was a great evening to socialize, meet new people and support a wonderful cause.

In one of our larger community outreach efforts, more than 70 School

of Pharmacy students volunteered at the Calvary Baptist Trunk or Treat event on October 31, 2011. Students arrived early to help set up and then served as guides for children throughout the evening. This Calvary Baptist event draws thousands of children from the Jackson-Madison County community and provides a safe atmosphere for children to enjoy dressing up in their Halloween spookiest and to play games for treats.

On November 1, 2011, 59 pharmacy faculty, staff and students participated in Union's annual Day of Remembrance and Service. Our students worked with seven different non-profit organizations around the city of Jackson doing everything from mulching, closet organization, and flowerbed cleanup to cleaning walls and visiting with patients.

