The Collaboration Issue

Education, page 22  Public Service, page 24  Clinical Care, page 26  Research, page 28
In May, the UTHSC College of Pharmacy held its graduation ceremony in Memphis. See pages 20 and 21 for more photos from the event.

The University of Tennessee Health Science Center
As Tennessee’s only public, statewide, academic health system, the mission of the University of Tennessee Health Science Center (UTHSC) is to bring the benefits of the health sciences to the achievement and maintenance of human health, with a focus on the citizens of Tennessee and the region, by pursuing an integrated program of education, research, clinical care, and public service. Offering a broad range of postgraduate and selected baccalaureate training opportunities, the main UTHSC campus is located in Memphis and includes six colleges: Dentistry, Graduate Health Sciences, Health Professions, Medicine, Nursing and Pharmacy. UTHSC also educates and trains cohorts of medicine, pharmacy and/or health professions students — in addition to medical residents and fellows — in its campuses in Knoxville, Chattanooga and Nashville. Founded in 1911, during its more than 100 years, UT Health Science Center has educated and trained more than 57,000 health care professionals in academic settings and health care facilities across the state. For more information, visit www.uthsc.edu. Follow us on Facebook: facebook.com/uthsc, on Twitter: twitter.com/uthsc and on Instagram: instagram.com/uthsc.

About the UTHSC College of Pharmacy
The College of Pharmacy, founded in 1898, was the first pharmacy school established in the state of Tennessee. The only ranked school of pharmacy in the state, it has been listed in U.S. News & World Report’s Top 20 colleges of pharmacy for more than two decades. With more than 6,600 graduates, the UTHSC College of Pharmacy has campuses in Memphis, Knoxville and Nashville. Additionally, the college has more than 300 sites across the state where students gain experience through community, clinical and institutional practice. Plus, the college offers international pharmacy experiences in 11 countries.

Vision
To serve as a model for pharmacy education, practice, research and outreach in Tennessee and beyond.

UT Health Science Center Administration
Chancellor STEVE J. SCHWAB, MD
College of Pharmacy Administration
Dean MARIE CHISHOLM-BURNS, MD, PhD, MPH, MBA, FCCP, FASHP
Associate Dean, Academic Affairs STEPHEN J. PHILLIPS, PhD, BCPS, FAPhA, FCCP, FPPAG
Associate Dean, Continuing Education GLEN E. FARR, PharmD
Associate Dean, Graduate Programs and Research BERND MEIBOHM, PharmD, PhD
Associate Dean, Knoxville PETER A. CHYKA, PharmD, DACB, FAACT
Associate Dean, Nashville TROY HUEBERMANN, PharmD
Associate Dean, Professional Affairs DEBBIE C. BYRD, PharmD, MBA, BCPs
Associate Dean, Strategic Initiatives and Operations BRADLEY A. BOUCHER, PharmD, FCCP, MCCN, BCPS
Associate Dean, Seattle JENNIFER WILLIAMS, PharmD
Assistant Dean, Student Affairs BILL PRUGE, PhD
Interim Chair, Department of Pharmacy, Continuing Education BERNIE MEBOHM, PharmD
Chair RICHARD A. HELMS, PharmD
Director of Admissions and Alumni Affairs ANGELA FARRIER, PharmD, MBA
Office of Development and Alumni Affairs
Vice Chancellor for Development and Alumni Affairs RANDY L. FARMER, EdD
Vice Chancellor for Development BETHANY GOOLSBY, JD
Vice Chancellor for Alumni Affairs KRIS PHILLIPS
Senior Director of Annual Giving and Advancement Services JADA WILLIAMS
Senior Director of Planned Giving CONNIE HARRIS
Director of Alumni Programs MICHELLE MASON
Director of Development CHANDRA TUGGLE

Features

Public Service

24 ASP + SNPhA
Professional organizations provide clinical and wellness services

Clinical Care

26 Old becomes new again
Collaborative practice returns

Research

28 Lab partners
“Through TEAMwork, everyone achieves more.”

Departments

Incoming Students ............................................. 4
Letters .................................................................. 5
UTHSC News ..................................................... 8
College of Pharmacy News .......................... 12
Alumni News and Notes ................................. 30
Giving and Receiving ..................................... 36
In Remembrance ............................................. 42

www.uthsc.edu

PHARMACY, FALL 2015
Produced and published by the UTHSC Communications and Marketing Department
SHEILA CHAMPLIN, MA
TIM BULLARD, MA
AMBER CARTER
JACKIE DENTON
THURMAN HOBSON
Contributing writer and editor -- Debbie Byrd, PharmD, MBA, BCPs
Contributing writer -- Connie Harris
©2015 by UTHSC. PUB-0738506(2016-001)owr#00451
For address changes or corrections, please contact the Office of Alumni Affairs at alumniaffairs@uthsc.edu or phone (901) 448-5516 or (800) 733-0482, or fax (901) 448-9806.

In Remembrance

1

3
Student Body Profile
Class of 2019
PharmD Students

Students
197
Median PCAT score
70
Median GPA
3.35
In-state Students
134
Out-of-state Students
63
Minorities
27.4%
Female
57.4%
Male
42.6%
Age range
19-39
States represented
23
Tennessee counties represented
40

First Day!
On Monday, Aug. 10, the 197 members of the Class of 2019 met for the first time and started their week-long orientation activities. The morning’s activities were planned and led by members of the Student Government Association and the College of Pharmacy Office of Student Affairs. The day began with a number of ice breakers and team building exercises.

From the Dean
In collaboration with others, as dean I am charged with envisioning and implementing for the College of Pharmacy what has come to be known in the business world as “the long view.” This involves working with intangibles, something that we in our profession may find a bit difficult, since our professional training revolves around precise measuring and monitoring of the tangible.

However, the long view requires one to assess and visualize a future based on our hopes and fears, and our beliefs and dreams. It is through the ability to project different kinds of futures, to dream big, that we chart our course for excellence.

As I do this, I am increasingly impressed with the need for and importance of partnerships and collaborations. When I look at the most successful endeavors undertaken at the college, I see that many strong alliances have been built. Life, work, and progress are dependent on strong relationships and collaborative efforts. Therefore, this issue of our Pharmacy Magazine spotlights collaboration.

Some collaborations are obvious. To effectively and efficiently educate the next generation of pharmacists, it takes dedicated administration, faculty and staff working together. Here at the college, we have built this collaborative environment. One example of successful partnerships is the newly-realized dream of our Nashville campus.

Strong relationships among alumni, administration, faculty, staff, students, friends and other stakeholders are crucial to our success. We work together to create an exceptional learning environment for our students. As the dean, it brings me great pleasure to witness the formation of new collaborations at the beginning of each academic year as we greet a new class of student pharmacists. Nothing brings me greater joy than welcoming our newest class of student pharmacists. Nothing brings me greater joy than welcoming students and their families into the College of Pharmacy's family.

Looking further, I find that collaboration is alive and well in our research labs. You can read about a fine example of this starting on page 28 where two researchers have partnered to advance science and improve health. In addition, state of the art labs on the 6th floor of the College of Pharmacy building in Memphis are now complete and the 6th floor will undergo construction soon; this is the result of hard work by many – thank you!

Representing further collaboration, I see our student organizations working together in partnership with communities across the state to provide outreach and patient care. Colleges within the Health Science Center are joining us to offer cutting-edge programs such as the new dual Doctor of Pharmacy/Master of Health Informatics and Information Management featured on pages 22 and 23.

Lastly, and of no less importance than the examples mentioned above, I want to acknowledge the many generous ways the College of Pharmacy and our alumni and friends continually work together. I see this relationship as collaboration at its finest. Since I have been here, we have established several new student scholarships, as I have this big dream that all students in the college who want a scholarship will have the opportunity to obtain one. Achieving this dream will certainly require collaboration and generosity. Thus, through your gifts of time and treasures, I see us building a great, bright future for the college.

This is just a portion of my long view. I invite you, our alumni and friends, to join with us as we bring this vision to life. Our collaboration is important. Thank you for all you do to partner with the UTHSC College of Pharmacy.

Marie Chisholm-Burns
PharmD, MPH, MBA,
FCCP, FASHP

Editors note: It has been an award-winning year for Dean Chisholm-Burns. Her dedication to Pharmacy education and research has been recognized during the year with the following accolades:

- American Association of Colleges of Pharmacy Paul R. Dawson Biotechnology Award
- National Pharmaceutical Association Chauncey L. Cooper Pharmacist Leadership Award
- National Pharmaceutical Association Fouad El-Sayed Research and Education Foundation Pharmacy Practice Research Award
- American Society of Transplantation Clinician of Distinction
- American Society of Health-System Pharmacists/Association of Black Health-System Pharmacists 2015 Joint Leadership Award
- American Society of Health-System Pharmacists/Association of Black Health-System Pharmacists 2015 Joint Leadership Award
- Memphis Business Journal Health Care Heroes Finalist

Marie Chisholm-Burns receives prestigious health-services research award/
Marie Chisholm-Burns receives highest award-national pharmaceutical association/
ASHP Research and Education Foundation Pharmacy Practice Research Award
https://tinyurl.com/20150128/chisholm-burns-receives-ashp-research-award/
American Society of Transplantation Clinician of Distinction
American Society of Health-System Pharmacists/Association of Black Health-System Pharmacists 2015 Joint Leadership Award
To be presented in December at the ASHP Midyear Clinical Meeting
Memphis Business Journal Health Care Heroes Finalist

To be presented in December at the ASHP Midyear Clinical Meeting

F all brought the hurried schedules of a new school year, fall sports events and even thoughts of upcoming holidays. As with the spring months, it’s a great time to reflect and plan for great things to come. And as you reflect, I encourage you to take a moment in the midst of this busy time to reach out to UTHSC in some way. No matter where you are, opportunities are more numerous and closer than ever. With our statewide presence now on three campuses—Memphis, Knoxville and Nashville—our reach to alumni and prospective students is expanding. The educational and high-tech buildings on all three campuses are amazing, and a personal tour is available for the asking.

As the visibility of our high-quality programs increases, and I reflect on the professional advancement my education has provided, my sense of pride grows. I am so glad to be actively involved with UTHSC College of Pharmacy. Our college needs us, and as I wind down my own career, there’s nothing more rewarding than helping enable future generations to continue our tradition of excellence. Whether you volunteer, visit or make a gift, I invite you to get involved. You will find the benefits are well worth the effort.

Volunteerism keeps us in touch with the college and, in turn, with progress in our field. We also have the chance to be in touch with current students and faculty. The similarities (and differences, of course) from one generation to the next are fascinating.

Speaking of volunteering, I am keeping my pharmacy license current as long as I can so I can take part, as a pharmacist, in medical mission trips. That may not sound like it helps UTHSC College of Pharmacy, but I sure can spread great PR and any contributions they are certain to make in the future.

Where would you be without UTHSC College of Pharmacy? No matter your age, your engagement is invaluable to our college.

---

*Active alumni are those living alumni for whom the UTHSC Alumni Office has current contact information. To reconnect with the UTHSC Alumni Office go to uthscalumni.com.*

---

**UT College of Pharmacy Alumni Association President**

---

When this issue of Pharmacy magazine reaches you, we’ll be on the cusp of winter in Memphis. But we’re pleased to report that since my last letter, activity at UTHSC has never been hotter, and there’s no sign of a cooling-off period. The contents of this issue showcase the many accomplishments of the Pharmacy team—alumni, faculty, students and staff. As industry needs evolve, the college continues to expand its academic offerings to meet them, exemplified by the recent launch of its new dual degree option in partnership with the Health Informatics and Information Management team in our College of Health Professions. (See page 22.) The collaborations under way in and through the college are incredibly impressive, and, most appropriately, this issue’s theme. We know you will take pride in reading about the difference our Pharmacy team is making in the industry, in academe and in the lives of so many.

To hit a few chronological highlights, we’ll start in late February. With the UT Board of Trustees winter meeting in Memphis, we took another step to extend our relationship with our largest hospital partner, Methodist Le Bonheur Healthcare. Methodist University Hospital added the UT initials to exterior signage, rebranding the name as Methodist UT Hospital. (See page 9.) This step reflects the convergence of the UTHSC and Methodist missions and visions.

In April, we announced the addition of Lori S. Gonzalez, PhD, as the new vice chancellor for Academic, Faculty and Student Affairs. Then in early June, Steven R. Goodman, PhD, was appointed to our leadership team to serve as vice chancellor for Research. (See page 8.) Each brings vision, dedication and a wealth of talent to their positions at UTHSC. They have already begun to make a positive difference for our statewide organization, and we look forward to the many contributions they are certain to make in the future.

On June 11, we learned our application for independent SACS accreditation had been approved by the Southern Association of Colleges and Schools Commission on Colleges (SACS/COC). UTHSC is now an independently accredited entity within the UT system, separate from the “Big Orange” conglomerate. Read more about what this means for our institution on page 9.

Transformation remains a maxim on the Memphis campus as space continues to morph according to plan. On page 11, the snapshots of the new Multi-Disciplinary Simulation building, where students from every college will have the opportunity to work and learn together. That’s the most effective way to build real-world health care teams that recognize the distinct contributions and inherent value of every well-trained health professional.

Also this fall, the process of constructing and equipping our GMP (Good Manufacturing Practices) facility began. Plus in November, we plan to celebrate the newly remodeled building in Germantown that will become headquarters for the UT-West Cancer Center (WCC). Formed three years ago, WCC is a comprehensive cancer center committed to leading-edge treatment, clinical trials and research.

In closing, we wish you and your families all the best in the coming holiday season. Many thanks for all you do to support UTHSC.
Welcome Drs. Gonzalez and Goodman

New UTHSC vice chancellors named

After extensive nationwide searches, UTHSC Chancellor Steve J. Schwab named Lori S. Gonzalez, PhD, vice chancellor of Academic, Faculty and Student Affairs, and Steven R. Goodman, PhD, vice chancellor for Research. Both positions were effective on Aug. 1.

Dr. Gonzalez joins UTHSC from the University of North Carolina General Administration, the North Carolina higher education authority, where she served as special advisor to the chief academic officer. She began work at UTHSC on July 1.

"With more than 27 years of experience in higher education at the university-wide, division, department and college levels, Dr. Gonzalez brings a wealth of experience and insight to this position," said Dr. Schwab. "We look forward to the many contributions she is sure to make to our statewide campus community."

As vice chancellor of Academic, Faculty and Student Affairs, she is responsible for setting policy and procedure for all academic programs as well as for the development and execution of strategic initiatives to promote these programs. Her office will be responsible for the vision, leadership, policy, and monitoring of academic, faculty and student affairs for UTHSC. Vigorous advocacy for the academic programs and the intellectual life of the university community is essential. To accomplish this, Dr. Gonzalez will work closely with the deans and other vice chancellors to set academic priorities and to allocate funds to move these priorities forward. She will collaborate with the deans and lead academic planning, policy, curriculum and program development efforts; provide for meaningful faculty and academic staff development activities; and establish academic budgeting priorities. In this role, Dr. Gonzalez will also serve as the primary academic officer for the interface with the Faculty Senate and academic officers in all colleges.

Prior to joining the University of North Carolina administration in October 2014, Dr. Gonzalez served for three years as provost and executive vice chancellor at Appalachian State University in Boone, North Carolina. Before that, she spent 20 years at the University of Kentucky, taking on roles that grew in both levels of responsibility and leadership including assistant professor, associate professor, associate dean, dean, and director of the College of Health Sciences. Her first 11 years in academia included varied teaching, research and clinical roles that laid the foundation for her successful forays into expanded teaching and administration positions. Dr. Goodman began his work at UTHSC on Aug. 1, coming to UTHSC from the State University of New York (SUNY) Upstate Medical University where he was the vice president for Research, dean of the College of Graduate Studies, and professor in the Department of Biochemistry and Molecular Biology, and the Department of Pediatrics.

"We are pleased to welcome Dr. Goodman to our campus. He will play a central role in managing, maximizing and expanding our institution's research portfolio," said Chancellor Schwab. "Each year our faculty and staff receive, on average, nearly $100 million in research funding from federal institutions and private foundations. Through vision, collaboration and innovation, Dr. Goodman will increase that funding to significantly higher levels."

The vice chancellor for Research is charged with building strong teams of scientists who will accelerate the growth of research in all UTHSC colleges and at all major locations. Dr. Goodman will direct the development and implementation of UTHSC's comprehensive research strategy, in keeping with its mission to move into the ranks of the top biomedical research institutions. This includes responsibility for creating innovative research opportunities and a cutting-edge infrastructure to meet the needs of our researchers while positioning them to compete successfully for extramural funding.

Dr. Goodman will represent UTHSC, to external funding organizations, government agencies and partner institutions; will advocate for research and related activities to lay audiences; and will administer all facets of our growing research program. He will be responsible for the research infrastructure, ensuring the operational and performance effectiveness of the centrally funded support units, for developing and implementing strategies to continuously improve the infrastructure and services provided by central administration; and for leading, managing and holding institutional responsibility for the research infrastructure and services. Plus, Dr. Goodman will advise the chancellor on matters of university research policy, vision, strategic planning and long-range budgeting. He will work closely and collaboratively with the university’s deans to integrate the research and educational missions of UTHSC. He will also work closely with the University of Tennessee Research Foundation to facilitate the discovery, protection and commercialization of intellectual property.

Prior to his work at SUNY, Dr. Goodman spent seven years with the University of Texas at Dallas, serving as the C. L. and Amelia A. Lundell Professor of Life Sciences, professor and head of the Department of Molecular and Cell Biology; director of the Institute of Biomedical Sciences and Technology; and director of the Sickle Cell Disease Research Center.

Dr. Goodman has received national and international honors. He has served as principal investigator or co-investigator on approximately $20 million in extramural grant funding.

UTHSC receives independent university accreditation

During its meeting held on June 11, the Southern Association of Colleges and Schools Commission on Colleges (SACSQC) Board of Trustees approved the accreditation of UTHSC as a separate university. UTHSC is now independent from the "Big Orange" conglomerate, which had previously included UTHSC.

SACSQC is the regional body charged with accreditation of degree-granting higher education institutions in the southern states. "Big Orange" still consists of UT, Knoxville; UTIA (Institute of Agriculture); UTSS (Space Institute) and UTIPS (Institute for Public Service); and is itself accredited by SACSQC. Several years ago, in examining the governance structure, resources available, annual budget, geographic location, and relative autonomy from UT, Knoxville, SACSCOC leadership determined that UTHSC should be a separately accredited institution within the UT System.

"For several years, UTHSC has been working toward independent accreditation as a stand-alone university, and we are extremely pleased that the extensive SACS peer review process resulted in no adverse findings or recommendations," Chancellor Schwab said. "The completion of this process to independent university status in a rapid and efficient manner is both a remarkable and laudable achievement."

As an independent university, UTHSC will be required to complete its first reaccreditation compliance certification in five years. Thereafter, the university’s accreditation must be evaluated and reaffirmed every 10 years.

"We remain an integral component of the UT System of universities overseen by President DiPietro and governed by the board of trustees of the University of Tennessee," the Chancellor said, noting, "I want to thank the leadership of the institution and all those who contributed both directly and indirectly to this strategic effort. The independent institutional accreditation of UTHSC reflects the ongoing high level of activity and myriad contributions of UTHSC faculty, students and staff."

With some 3,000 students enrolled annually, 1,200 residents and fellows in training across Tennessee and more than $200 million in sponsored program revenue (all-source external grants, contracts and awards) and nearly 4,000 faculty and staff on four campuses (Memphis, Knoxville, Chattanooga and Nashville), UTHSC has a statewide economic impact of more than $2.7 billion each year. UTHSC is also responsible for more than 26,700 jobs across the state of Tennessee.

UT + Methodist Le Bonheur Healthcare

In recognition of the successful and growing partnership between UTHSC and the Methodist Le Bonheur Healthcare system, the bright orange UT icon was added to new exterior signage at Methodist University Hospital. The hospital is now referred to as Methodist UT Hospital.

Methodist UT Hospital, the largest and most comprehensive hospital in the Methodist Le Bonheur Healthcare system, is a core teaching hospital for UTHSC. Faculty members from UTHSC make up a significant complement of the physicians and clinicians who provide care at the hospital while teaching the next generation of health care professionals in the clinical and hospital setting. The hospital is also home to UT Methodist Physicians, in academic practice.

At separate ceremonies hosted by the deans of the six UTHSC colleges on May 15, 22 and 29, UTHSC graduated a total of 688 health care professionals. During each of the ceremonies, UTHSC Chancellor Steve J. Schwab, MD, conferred the degrees and gave the charge to the graduates. This year’s graduating class included 68 African-Americans; 12 Latino-Americans, and 145 graduates who came from out of state to study at UTHSC. In addition, this graduating class conferred degrees on 228 men.

• Dentistry – 116
• Graduate Health Sciences – 38
• Health Professions (formerly Allied Health Sciences) – 122
• Medicine – 49
• Nursing – 78
• Pharmacy – 175

Turn to pages 20 and 21 to see our 2015 graduates.
Progress continues on the overhaul of the Memphis campus. As a part of the master plan, the Feurt Pharmacy Research Building, named for Seldon Dick Feurt, PhD, College of Pharmacy dean from 1959 to 1975, was demolished to make way for the new Multi-Disciplinary Simulation and Health Education Building. The process began in mid-January when the sidewalk was closed. In mid-April the demolition was well under way. By May, the building was down, and the cleanup was under way. By June, the building was completely gone.

Once constructed, the new facility will train students from all six colleges in cutting-edge simulation settings. Medical simulation provides the ideal opportunity for teaching health care teams to learn how to diagnose and treat patients. Students work under supervision and are able to make mistakes without endangering the health of their patient.
Appointments, Elections and Awards

Dr. Duane D. Miller, PhD, Van Vleet Professor and former chair of the Department of Pharmaceutical Sciences, was honored as a fellow of the National Academy of Inventors (NAI). Dr. Miller has been working through the UT Research Foundation to protect and promote his discoveries. He has new drugs to treat disease areas from oncology to ophthalmology, has founded two start-up companies, been a senior part of the research and development teams in a third, and has licensed compounds to three other companies. He holds 54 issued U.S. patents and more than 100 international patents. More than 100 U.S. and international applications are still pending. Election to NAI fellow status is a high professional distinction among academic inventors.

Dr. Braden Boucher, PharmD, FCCP, BCNSP, FPPAG, was recently appointed to a three-year term on the Board of Pharmacy Specialists (BPS) Specialty Council on Nutrition Support Pharmacy. Dr. Christensen previously served on the Nutrition Specialty Council for two terms from 2003 to 2008. Since 1990, Dr. Christensen has been a member of the Parenteral Nutrition Service at Le Bonheur Children's Hospital and is currently a professor of Clinical Pharmacy and Pediatrics. Dr. Christensen has also been elected to the Board of Directors of ASPEN. His term is June 1, 2015 through April 30, 2017.

Dr. Roland Dickerson received the 2015 American College of Clinical Pharmacy (ACCP) Clinical Practice Award at the Annual ACCP Global Conference in October in San Francisco, California. This award is given to an ACCP member described as having developed an innovative clinical pharmacy service, provided innovative documentation of the impact of clinical pharmacy services, provided leadership in the development of cost-effective clinical pharmacy services, or shown sustained excellence in providing clinical pharmacy services.

Dr. Todd Lowe, PhD, associate professor of Pharmaceutical Sciences and Biomedical Engineering, has been elected to serve as the chair-elect of the Nanotechnology Focus Group of the American Association of Pharmaceutical Scientists (AAPS). Nanotechnology's main concept is the control of matter on a scale smaller than 1 micrometer, focusing on the design of drug and gene delivery devices and diagnostics on this same scale of length. The goal of the Nanotechnology Focus Group is to introduce the concepts, approaches, issues, controversies, and current research progress of nanotechnology to the AAPS membership.

Bernd Meibohm, PhD, FCP, FAAPS, associate dean for Research and Graduate Programs and interim chair of the Department of Pharmaceutical Sciences, is the current American College of Clinical Pharmacology president and presided over the 2015 meeting held in San Francisco, California.
Certainly her work has transformed lives and health care delivery systems.

Because of her dedication to transplant research and pharmacy education, Dean Marie Chisholm-Burns has been honored with several prestigious awards during the past year, including the American Association of Colleges of Pharmacy (AACP) Paul R. Dawson Biotechnology Award and the Chauncey I. Cooper Pharmacist Leadership Award from the National Pharmaceutical Association (NPhA) – the highest recognitions given by these national organizations.

The Dawson award is given to an active scientist within the ranks of pharmacy education who is a leader in the broad range of research related to health services delivery affecting patient outcomes. It was presented to Dean Chisholm-Burns in August. “Those who know me know I am committed to the pharmacy profession, education, and to improving health care for all,” Dr. Chisholm-Burns said in accepting the award.

“Dean Chisholm-Burns’ work is so deserving of recognition, especially as the Dawson award criteria have been broadened to encompass a more diverse scope of research,” said Lucinda L. Maine, PhD, executive vice president and CEO of the AACP. “Certainly her work has transformed lives and health care delivery systems.”

The Cooper award, bestowed at the 68th annual meeting of the NPhA, is the highest recognition given by the national organizations.

In addition to these honors, the American Society of Health-System Pharmacists Research and Education Foundation presented her the Pharmacy Practice Research Award for her work “Improving Outcomes of Renal Transplant Recipients with Behavioral Adherence Contracts: A Randomized Controlled Trial.” And, at the 2015 American Transplant Congress, Dean Chisholm-Burns received the 2015 Clinician of Distinction Award from the American Society of Transplantation.

In this award-winning year, Dean Chisholm Burns has also become a sought-after speaker. In January, she was the keynote speaker at the University of Michigan’s 25th Annual Health Sciences Martin Luther King Day lecture and was also part of the Deans Leading by Example lecture series. She served as keynote speaker at the University of Connecticut School of Pharmacy graduation in May. Dean Chisholm-Burns founded and directs the Medication Access Program in Georgia, which helps to provide medication to more than 830 solid-organ transplant patients. The statewide network facilitates medication adherence as well as interdisciplinary care and support for transplant patients.

The UTHSC College of Pharmacy was awarded a $20,800 grant from the National Association of Chain Drug Stores Foundation Pharmacy Partners Program for a proposal entitled, “Operation Access: A Four Part Effort to Expand Access to Community Pharmacy Services Across the State of Tennessee.” This grant was achieved through the combined efforts of co-principal investigators Drs. Ken Hohmeiter and Christina Spivey and Dean Chisholm-Burns.

Junting Wang, PhD, a professor in the Department of Clinical Pharmacy, has received a $987,562 grant from the National Institute on Aging, one of the National Institutes of Health, that will be funded over the next three years. Dr. Wang’s research has shown that Medicare medication therapy management (MTM) eligibility criteria may be contributing to disparities in health care, because African-Americans and Hispanics overall use fewer drugs and are less likely to qualify for MTM. The purpose of the grant is to research more equitable and effective eligibility criteria for MTM for Medicare beneficiaries.

Murali M. Yallapu, PhD, assistant professor of Pharmaceutical Sciences, has received a three-year grant totaling $480,000 from the National Cancer Institute of the National Institutes of Health to investigate the role of prostate specific membrane antigen targeted docetaxel loaded magnetic nanoparticles for prostate cancer therapy. Docetaxel has been used since its approval by the FDA in 2004 for metastatic prostate cancer, a disease that is widespread and a source of high morbidity and mortality among men in the United States. With the inadequate alternative therapies currently available for patients with metastatic prostate cancer, Dr. Yallapu’s research has turned to the use of docetaxel loaded magnetic nanoparticles to increase the effectiveness of this medication. Co-investigators for this project include Drs. Subhash C. Chauhan, Meena Jaggi, Duane Miller, Daruka Mahadevan, and Stephen W. Behrmann.

Subhash G. Ghatoulian, PhD, professor of Pharmaceutical Sciences, was awarded a $600,000 three-year grant from the Department of Defense to investigate the role of ormeloxifene for prostate cancer prevention and treatment. The current role of ormeloxifene, a selective estrogen receptor modulator is as a once-weekly contraceptive. The drug is currently available in India and 28 other countries, but not the United States. This research has the potential to produce a novel therapeutic modality for advanced-stage prostate cancer treatment.

Dr. Chauhan will be the primary investigator for the study and Dr. Meena Jaggi, associate professor of Pharmaceutical Sciences, will be co-principal investigator. Other co-investigators for the project are Dr. Murali Mohan Yallapu, assistant professor of Pharmaceutical Sciences, Nadeem Zafar, and Jim Wain.
Preceptors of the Year

East Tennessee
Dr. Camille Graves received her PharmD from Creighton University. During her student experiential learning, she completed four APPEs at Methodist Medical Center in Oak Ridge (MMCOR), Tennessee. After graduation, she was hired by MMCOR and currently coordinates the anticoagulation clinic there. She has been a UTHSC COP preceptor in ambulatory care since 2008.

Currie

Graves

Mills

Middle

Tennessee
Dr. Kristi Currie received her PharmD from the University of Mississippi. She has spent 13 years in community practice, with 10 of those years at Target Pharmacy in either Memphis or Germantown, Tennessee. She has been a UTHSC COP preceptor in advanced community and introductory community since 2008.

West Tennessee
Dr. Kristi Mills offers APPEs in advanced community and introductory community since 2008. Dr. Chad Mills offers APPEs in advanced community and introductory community since 2008. Dr. Chad Mills received his PharmD from the UTHSC COP. After completing a two-year pharmacy residency, he moved over to the area of cardiology at Vanderbilt University Medical Center in 2007. Dr. Johnson precepts APPEs in the area of cardiology and has been the course director for the cardiology elective in Middle Tennessee. He has been a UTHSC COP preceptor since 2002.

New Faculty

Nancy Hart, PharmD, BCPS
Associate Professor of Clinical Pharmacy, Nashville

Dr. Hart, a University of Florida College of Pharmacy graduate, completed a residency in ambulatory care at Nova Southeastern University. Her experiences include teaching, compounding and coordinating clinical trials. She has worked in family medicine, with underserved patients, and in community pharmacies. Her research interests include diabetes, immunizations, over-the-counter medication use, outpatient management, and women’s health. She joined the faculty in June.

Glen Palmer, PhD
Associate Professor of Clinical Pharmacy, Division of Clinical and Experimental Therapeutics, Memphis

Dr. Palmer earned a BS in Genetics at the University of Sheffield and a PhD in Genetics at the University of Leicester in the United Kingdom. He completed postdoctoral training at Georgetown University and later at Louisiana State University, where he was most recently an assistant professor in the Department of Microbiology, Immunology and Parasitology. He joined the faculty in March and his research centers on mechanisms of anti-fungal drug resistance, the discovery and development of a new class of anti-fungal agents that target the fungal vacuole. He has NIH R01 and R21 funding for the development of an entirely novel chemical-genetic approach to drug discovery using yeast-based platforms.

Brian Peters, PhD
Assistant Professor of Clinical Pharmacy, Division of Clinical and Experimental Therapeutics, Memphis

Dr. Peters earned a BS degree in Microbiology at Penn State University before earning a PhD at the University of Maryland in molecular microbiology and Immunology. He conducted postdoctoral work at the Louisiana State University Health Sciences Center (LSUHSC) from 2011-2013 and began his career as a research-track assistant professor in 2013 while at LSUHSC. Dr. Peters joined the faculty in June.

James Wheeler, PharmD, BCPS
Director of Continuing Professional Development, Nashville

A UTHSC COP graduate who joined the faculty in June, Dr. Wheeler completed the college’s 24-month PGY1-PGY2 Pharmacotherapy Residency at the UT Medical Center in Knoxville. He previously served as an assistant professor of Pharmacy at Wingate University in addition to maintaining a pharmacy practice site in pulmonary medicine at Novant Presbyterian Hospital in Charlotte, North Carolina. During this time, he served as a preceptor for third- and fourth-year student pharmacists.

Students

Alaina Darby, P2, was awarded a $5,000 TYLENOL® Future Care Scholarship for the 2015-2016 academic year. Of the hundreds of applications submitted, she is one of 40 students selected for the scholarship nationwide. According to the TYLENOL® Future Care Scholarship website, the recipients have displayed academic excellence, exemplary leadership, commitment to service, and dedication to a career of caring for others. “I am so grateful to receive this scholarship and to be recognized for my achievements,” said Darby. “I have applied for this scholarship several years in a row, and it is great to finally receive a response that begins with Congratulations!”

P.S. Shantanu Rao, PhD, received the UTHSC Postdoctoral Association Summer Travel Award to attend the third International Conference on HIV/AIDS, STDs and STIs. He made an oral presentation of his research entitled, “Role of cytochrome P450s in mediating the effects of alcohol on HIV pathogenesis.” Seven postdoctoral candidates competed for this award. Dr. Rao was one of three winners. Dr. Rao received his doctorate in medicinal chemistry from the University of Toledo. Currently, he is a postdoctoral fellow in Dr. Santosh Kumar’s research lab in the Department of Pharmaceutical Sciences.

Dina Ali, P4, and Robert Parker, PharmD, professor of Clinical Pharmacy, were awarded a one-year American College of Clinical Pharmacy (ACCP) Research Institute Futures Grant/Student/Resident Award worth $5,000 for the project titled, “Mechanism of altered clopidogrel metabolism in diabetes.” “I have enjoyed working under Dr. Parker’s mentorship for the past year and a half, as it has greatly enhanced my interest in pursuing a career in clinical research,” said Ali. “I am grateful for the ACCP Research Institute for recognizing the importance in providing support for students interested in developing skills needed to succeed in this exciting field.”

In April, the 2015 Rafeal Dodd Graduate Scholarship Award was presented by the National Black MBA Association, Inc., to Kenneth Sykes, PT. The scholarship is for students enrolled in a business or management program and is awarded based on a student’s academic achievement, community service, letters of reference, verbal skills, and resume. Sykes represented both the UTHSC COP and the University of Memphis Fogelman College of Business and Economics in receiving this award.

IPPE Preceptor of the Year

Dr. Chad Mills received his PharmD from the UTHSC COP. He and his wife, Dr. Rebecca Mills, own Mills Family Pharmacy in Murfreesboro, Tennessee. Dr. Chad Mills offers APPEs in advanced community and always participates in the IPPE Community Program. He has been a UTHSC COP preceptor since 2008.

IPPE Preceptor of the Year

Dr. Chad Mills received his PharmD from the UTHSC COP. He and his wife, Dr. Rebecca Mills, own Mills Family Pharmacy in Murfreesboro, Tennessee. Dr. Chad Mills offers APPEs in advanced community and always participates in the IPPE Community Program. He has been a UTHSC COP preceptor since 2008.

In the May, student pharmacists were inducted into the Imhotep Society. Named after the ancient Egyptian god of medicine, the campus-wide organization recognizes students who have significantly contributed to student life at UTHSC. While the principle objective of the society is to reward and recognize student leadership on campus, a secondary goal is to inspire students to continue leadership and service roles as alumni of the university. The 2015 inductees are: Jide Anyigbo

Wesley Brandon

Arrison

Bethany Babinski

Adrian Arora

Michael Bolin

Brandi Bowlin

Adam N. Boucher

Bernard Andrew

Alexander Britton

Natalie Elizabeth

Brown

Monroe Crawley

Jacqueline Curry

Kayla Darnell

Douggherty

Carmen Lindsay Esch

Eza G. Gabre

John Tyler Haller

Crystal Lo Harrison

Jonathan Lloyd

Heather

James Brendon

Henderson

Drew

Lauren M. Hoth

Molly Elise Hunt

Jordon Johnson

Kimberly Keller

Jonathan Lloyd

Adam Beeler

Alexander Britton

Arrison

Robert Parker,

PharmD

Assistant Professor of Clinical Pharmacy, Division of Clinical and Experimental Therapeutics, Memphis

James Wheeler,

PharmD

Director of Continuing Professional Development, Nashville

P.S. Shantanu Rao,

PhD

Senior Postdoctoral Fellow, Division of Clinical and Experimental Therapeutics, Memphis

Dina Ali,

PharmD

Student, College of Pharmacy

Robert Parker,

PharmD

Professor of Clinical Pharmacy, College of Pharmacy

Dr. Parker is the interim director for the cardiology elective in introductory community since 2008. Dr. Parker received his doctorate in medicinal chemistry from the University of Toledo. Currently, he is a postdoctoral fellow in Dr. Santosh Kumar’s research lab in the Department of Pharmaceutical Sciences.

Dr. Parker is the interim director for the cardiology elective in introductory community since 2008. Dr. Parker received his doctorate in medicinal chemistry from the University of Toledo. Currently, he is a postdoctoral fellow in Dr. Santosh Kumar’s research lab in the Department of Pharmaceutical Sciences.

Dr. Parker is the interim director for the cardiology elective in introductory community since 2008. Dr. Parker received his doctorate in medicinal chemistry from the University of Toledo. Currently, he is a postdoctoral fellow in Dr. Santosh Kumar’s research lab in the Department of Pharmaceutical Sciences.

Dr. Parker is the interim director for the cardiology elective in introductory community since 2008. Dr. Parker received his doctorate in medicinal chemistry from the University of Toledo. Currently, he is a postdoctoral fellow in Dr. Santosh Kumar’s research lab in the Department of Pharmaceutical Sciences.

Dr. Parker is the interim director for the cardiology elective in introductory community since 2008. Dr. Parker received his doctorate in medicinal chemistry from the University of Toledo. Currently, he is a postdoctoral fellow in Dr. Santosh Kumar’s research lab in the Department of Pharmaceutical Sciences.
Students

APhA-ASP
American Pharmacists Association-Academy of Student Pharmacists

National Meeting Notes
For the past year, Nick Capote, PharmD ’16, who served as the APhA-ASP national president, represented student pharmacists and UTHSC across the country as he spoke with students about how to ‘discover your voice’ in the profession of pharmacy.

The UTHSC COP APhA-ASP Chapter was recognized at the annual meeting with the following awards:
• Region 3 Generation Rx Winner
• National Second Runner-up for Operation Diabetes
• National Second Runner-up for APhA-ASP Club. The funds raised assist the Meadow Country Club. The funds were raised, and the chapter won the Student National Pharmaceutical Association (SNPhA) Student National Pharmaceutical Association (SNPhA) Student National Pharmaceutical Association (SNPhA) Student National Pharmaceutical Association (SNPhA)

Chapter Events
Race for the Summit
The first Knoxville Race for the Summit 4-Miler, held on Nov. 8, 2014, was organized by the UTHSC COP APhA-ASP chapter as a benefit for the Pat Summit Foundation for Alzheimer’s Research. The course featured a 4-mile tour of the UT Knoxville campus, where Summit established her legacy as one of the best women’s basketball coaches of all time. More than $5,000 was raised. The race was held again in Knoxville on Oct. 31, 2015.

On the rise!
In August, 15 collegiate chapter members and three alumni of the Omega chapter of Phi Delta Chi attended the 70th Grand Council meeting in Albuquerque, New Mexico. Josh Caballero, PharmD ’01, facilitated the professional development roundtable sessions, while Kirk Hevener, PharmD ’05, served as the Omega chapter alumni delegate. The Omega chapter received several accolades for their efforts over the past year, including a fifth place ranking in brotherhood and a second place ranking in chapter publication. Competing against more than 80 chapters nationwide, Omega placed eighth overall, a 12 point rise from the previous year. This is the first time the chapter has climbed into the top 10 since 2010.

SNPhA
Student National Pharmaceutical Association
Chapter Highlights
The UTHSC COP SNPhA chapter won the Shot@Life national competition sponsored by the United Nations Foundation which advocates for global immunizations. During the challenge, each SNPhA team held an in-house district meeting and contacted a minimum of five state representatives by phone to raise $300. As a part of its winning effort, the UTHSC COP chapter also sent multiple letters to representatives in East, Middle, and West Tennessee and set up tables in both Memphis and Knoxville with computers for students to use to send emails to the representatives. More than $400 was raised, and the chapter won the competition. The donation was matched, bringing the total contribution to $800.

Regional Meeting Accolades
In February, 32 SNPhA members, including two national officers, attended the Region 1 and 2 Meeting in Atlanta, Georgia. While at the meeting, Kara Loveday and Lindsey Schobert placed first and second, respectively, in the Clinical Skills Competition hosted by Kroger. This is an opportunity for students to showcase their clinical abilities by demonstrating exemplary patient interaction and communication skills, along with professional knowledge. The chapter also won the “Instagram-A-Thon” Competition for the second year in a row. The purpose of the contest, held via social media, is to build excitement in the days leading up to the 2015 SNPhA Regional Conferences and to build relationships among chapters. SNPhA members posted over 800 photos to Instagram over a two-week period prior to the meeting.

Students give back
The Class of 2015’s giving efforts yielded $3,419 for the college’s scholarship fund. This was the third year for a student giving campaign. Presenting the check to Dean Marie Chisholm-Burns (far left) at commencement were class representatives (left to right) Amy Sparkman, Erica Schumacher and Nathan Owen.

On the rise!
In August, 15 collegiate chapter members and three alumni of the Omega chapter of Phi Delta Chi attended the 70th Grand Council meeting in Albuquerque, New Mexico. Josh Caballero, PharmD ’01, facilitated the professional development roundtable sessions, while Kirk Hevener, PharmD ’05, served as the Omega chapter alumni delegate. The Omega chapter received several accolades for their efforts over the past year, including a fifth place ranking in brotherhood and a second place ranking in chapter publication. Competing against more than 80 chapters nationwide, Omega placed eighth overall, a 12 point rise from the previous year. This is the first time the chapter has climbed into the top 10 since 2010.
The College of Pharmacy hosted the first of six UT Health Science Center graduation ceremonies on Friday, May 15. The 175 graduates, along with their families and friends, gathered in Memphis for the event and reception that followed.

Joseph T. DiPiro, PharmD, dean, professor, and the Archeo O. McCalley Chair at the Virginia Commonwealth University School of Pharmacy, was guest speaker. After the degrees were conferred by UT Health Science Center President Dr. Steven C. Rattner and other members of the Board of Visitors, the graduates, along with their families and friends, gathered in Memphis for the event and reception.

To download a PDF version of the 2015 graduation program, please visit the College of Pharmacy website.
“Recognizing the need for pharmacists in this area and the uniqueness of our programs to offer this dual degree served as a catalyst,” said Marie Chisholm-Burns, MPH, MBA, FCCP, FASHP, dean of the UTHSC College of Pharmacy. “This dual-degree program was made possible through the hard work of many individuals, and I am very excited about the program, as well as the high quality of its curriculum and faculty,” she said. “Dean Noma Anderson of the College of Health Professions and the Department of Health Informatics and Information Management are great to work with. Our two colleges collaborate on a variety of successful projects.”

Student pharmacists who graduate with a dual PharmD/MHIIM will be ideal candidates for positions in the rapidly growing HIIM field. Even though it is less comprehensive, the HIIM certificate option provides basic skills needed to practice in an electronic health care environment.

Since the MHIIM and HIIM program offerings are 100 percent online, students are able to participate, even when they are outside the greater Memphis area at our Nashville or Knoxville campuses. The online aspect of the programs is particularly important and beneficial to our statewide student body.

For more information about the dual PharmD/MHIIM degree or certificate, please contact Stephanie Phelps, associate dean of Academic Affairs for the College of Pharmacy at (901) 448-8780, sphelps@uthsc.edu; or Rebecca Reynolds, chair of the Department of HIIM in the College of Health Professions, at (901) 448-6486, reynol5@uthsc.edu.
At the close of each academic year, the College of Pharmacy’s two professional student organizations submit reports on the clinical and wellness services they have provided. The numbers for the collaborative efforts of American Pharmacists Association Academy of Student Pharmacists (APhA-ASP), commonly known as ASP, and Student National Pharmaceutical Association (SNPhA), are in, and as you can see, they are impressive.

SNPhA, whose membership is “dedicated to the pharmacy profession and serving the underserved,” participated in all six of the organization’s national initiatives. Over the course of the year, it hosted 190 events and provided information or health services to approximately 7,690 individuals.

Members of ASP spent 8,760 hours conducting 256 events, meetings and projects. Of this total, 168 were patient care events at which 11,504 patients received clinical or wellness services. These activities supported the organization’s mission to be the “voice of student pharmacists, to provide opportunities for professional growth, to improve patient care, and to envision and advance the future of pharmacy.”

SNPhA members provided diabetic counseling and education to 680 patients. ASP provided the same services to 670 patients through Operation Diabetes, resulting in a combined total of 1,350.

Community service events at which student pharmacists provided a variety of services to the underserved took place throughout the year. The one shown above was held at Idlewild Presbyterian Church in Memphis.

ASP and SNPhA participated in Operation Immunization, Flu and other events. Working together, a total of 8,197 patients were immunized, including members of the faculty staff and student body at the Memphis, Nashville and Knoxville campuses. An additional 411 were reached through education efforts.

Through Operation Heart, members of ASP screened 1,383 patients for hypertension, 60 for hyperlipidemia, 266 for overall cardiac risk and provided diet and lifestyle modification education to 363 patients.

ParRescription Golf Tournaments held in both Memphis and Knoxville, netted greater than $8,000 for ASP chapter operations. Other fund raisers brought in an additional $7,800 for operations.

SNPhA members provided diabetic counseling and education to 680 patients. ASP provided the same services to 670 patients through Operation Diabetes, resulting in a combined total of 1,350.

On any given Saturday, you might find student pharmacists offering health screenings. The one shown below took place in the entrance to Kroger on Highland Avenue in Memphis.

Student pharmacists braved the cold to help man the Walgreens tent and provide information at the Memphis Heartwalk in November.

In addition to those served in SNPhA’s six national initiatives, an additional 2,006 patients were seen at community service events held across Tennessee.

UT Lady Vols Head Basketball Coach Holly Warlick supported Race for the Summitt in Knoxville. Hosted by ASP in both Memphis and Knoxville, the race raised close to $10,000 for the Pat Summit Foundation which funds research and care for those with Alzheimer’s disease.

ASP advocacy events include painting the rock at UT, Knoxville, sponsoring transit ads and billboards for American Pharmacists Month, and participating in World AIDS Day events.
The dialog is taking place in many important and even

Now, as medicine and nursing practices have become

At the turn of the 20th century, people looked to their

Community pharmacists in Tennessee are finding that what

Can Improve Our Nation’s Health,” it was stated:

“I never thought of my pharmacist as somebody other than a person who could provide medications and give recommendations on over-the-counter products. I now see my pharmacist as a provider of health and wellness.”

Anonymous corporate executive from a point-of-care testing manufacturer

Community pharmacists in Tennessee are finding that what was old is now new again as more and more patients are turning to them for front-line care.

At the turn of the 20th century, people looked to their pharmacists first for treatments. Throughout the years, the pharmacists’ role in health care is becoming more complicated, the pharmacists’ role in health care is changing and growing. This change has become a part of the evolving national health care conversation and presents great opportunities for the pharmacy profession.

The dialog is taking place in many important and even surprising ways. In a recent continuing education webinar from the Centers for Disease Control and Prevention (CDC) Public Health Grand Rounds entitled, “How Pharmacists Can Improve Our Nation’s Health,” it was stated:

“The expanded role of 21st century pharmacists will position them to have greater impact in the shifting landscape of health care and public health. Beyond the dispensing of medications, pharmacists also provide a spectrum of prevention services to help improve health outcomes. In the United States, people with chronic conditions account for 91 percent of all prescriptions filled. By 2020, it is estimated that 157 million Americans will have at least one chronic non-infectious or infectious medical condition. By understanding and maximizing the role of pharmacists, opportunities exist to better use their knowledge and skills to improve our nation’s health.

Additionally, the National Governors Association (NGA) addressed pharmacy’s evolving role in its January 2015 NGA Paper, “The Expanding Role of Pharmacists in a Transformed Health Care System.”

Pharmacists practice in a variety of health care settings. Although they are most often associated with dispensing medications in retail pharmacies, their role is evolving to include providing direct care to patients as members of integrated health care provider teams.

Pharmacists have the professional expertise to address key challenges facing the health care system, including the prevalence of people who have multiple chronic conditions and the increased use of more complex medications to manage those diseases. So why is this shift taking place? The numbers help tell the story.

• Currently, there are approximately 67,000 pharmacies in the United States. Almost half (33,000) are located within drug stores, grocery stores, hospitals, department stores, medical clinics, surgery clinics, universities, nursing homes, prisons, and other facilities.

• According to the Department of Health and Human Services, there are 13 billion pharmacy visits in the United States each year as compared to 470 million physician visits.

• 95% of Americans live within five miles of a pharmacy.

When these facts are considered together, the picture becomes clear. Few, if any, other health care professionals have this much access or opportunity for interaction with patients.

The shift in pharmacy’s role is reflected in the data documenting the way people receive their flu shots. It shows how access, coupled with enhanced training and certifications, make a huge impact.

Pharmacy’s renewed role is supported by recent change in Tennessee law. Signed by Governor Bill Haslam on April 29, 2014, and effective on July 1, 2014, the Collaborative Pharmacy Practice Law (CPPL) “allows Tennessee-licensed pharmacists and prescribers to enter into a voluntary collaborative pharmacy practice agreement, and assigns ultimate authority on the scope of pharmacist-provided services to the authorizing prescribers. The law also allows pharmacists to provide patient care services and activities for groups of patients, including prescribing drugs or ordering laboratory tests, if put in writing by the prescribers as part of a signed collaborative pharmacy practice agreement.”

With this change in legislation, major point-of-care testing (POCT) manufacturers are looking at how they will partner with pharmacists and acknowledge that community pharmacies can become an enormous market for diagnostics. This has been an interesting side effect of the new legislation. Previously, POCT manufacturers have excluded pharmacies as a major player in POCT diagnostics because of their inability to act on results to create a prescription. With the new law, these manufacturers are now looking at novel ways to approach patient care.

Prior to the legislation being passed, community pharmacies in Tennessee had been collaborating with prescribers on POCT services. Kroger pharmacies across Tennessee use POCT to screen and test patients and employees for chronic conditions like diabetes and high cholesterol. However, treatment was often delayed due to communication difficulties between pharmacist and physician. Now with the new law in place, pharmacists can act immediately on results.

Presently, the UTHSC College of Pharmacy is collaborating with community pharmacies across Tennessee to prepare current and future pharmacists to take advantage of this new paradigm in patient care. During their first year of post-graduate residencies in community pharmacy, our graduate pharmacists are participating in and helping to grow patient services in the community pharmacy setting. At Blount Discount Pharmacy in Maryville, Tennessee, and at Reeves-Sain in Murfreesboro, Tennessee, residents are helping establish diabetes self-management programs. In Knoxville at Mac’s Pharmacy and Belew Drug, residents are using pharmacogenomic testing to assist in treatment decisions. And, at Kroger pharmacies in Memphis and Nashville, residents have become an integral part of the pharmacy team providing POCT, disease state management and coaching programs.

And this is just the start. As the community pharmacist’s collaborative practice role evolves, so will the college’s place in providing education and training opportunities.

The Collaborative practice returns

“Old” becomes new again

Pharmacy’s renewed role is supported by recent change in Tennessee law. Signed by Governor Bill Haslam on April 29, 2014, and effective on July 1, 2014, the Collaborative Pharmacy Practice Law (CPPL) “allows Tennessee-licensed pharmacists and prescribers to enter into a voluntary collaborative pharmacy practice agreement, and assigns ultimate authority on the scope of pharmacist-provided services to the authorizing prescribers. The law also allows pharmacists to provide patient care services and activities for groups of patients, including prescribing drugs or ordering laboratory tests, if put in writing by the prescribers as part of a signed collaborative pharmacy practice agreement.”

With this change in legislation, major point-of-care testing (POCT) manufacturers are looking at how they will partner with pharmacists and acknowledge that community pharmacies can become an enormous market for diagnostics. This has been an interesting side effect of the new legislation. Previously, POCT manufacturers have excluded pharmacies as a major player in POCT diagnostics because of their inability to act on results to create a prescription. With the new law, these manufacturers are now looking at novel ways to approach patient care.

Prior to the legislation being passed, community pharmacies in Tennessee had been collaborating with prescribers on POCT services. Kroger pharmacies across Tennessee use POCT to screen and test patients and employees for chronic conditions like diabetes and high cholesterol. However, treatment was often delayed due to communication difficulties between pharmacist and physician. Now with the new law in place, pharmacists can act immediately on results.

Presently, the UTHSC College of Pharmacy is collaborating with community pharmacies across Tennessee to prepare current and future pharmacists to take advantage of this new paradigm in patient care. During their first year of post-graduate residencies in community pharmacy, our graduate pharmacists are participating in and helping to grow patient services in the community pharmacy setting. At Blount Discount Pharmacy in Maryville, Tennessee, and at Reeves-Sain in Murfreesboro, Tennessee, residents are helping establish diabetes self-management programs. In Knoxville at Mac’s Pharmacy and Belew Drug, residents are using pharmacogenomic testing to assist in treatment decisions. And, at Kroger pharmacies in Memphis and Nashville, residents have become an integral part of the pharmacy team providing POCT, disease state management and coaching programs.

And this is just the start. As the community pharmacist’s collaborative practice role evolves, so will the college’s place in providing education and training opportunities.

In 1231, Frederic II of Hohenstaufen, the Emperor of Germany and King of Sicily, issued the Edict of Palermo that created a clear distinction between the responsibilities of physicians and apothecaries. The edict defined the professional practices of medicine and pharmacy and laid down regulations for each. To prevent the exploitation of the sick, it banned physicians and apothecaries from entering into a business relationship. It also established government supervision of the practice of pharmacy. From here, the idea of the separation of diagnosis and treatment spread across Europe.

Since 1998, the UTHSC College of Pharmacy has trained its students to give vaccinations. Now our pharmacy students receive immunization training and earn their immunization certification in the second semester of their P1 year.
two researchers – one established, one starting his career. Each joined the UTHSC College of Pharmacy faculty in the fall of 2014. Each has a question related to HIV/AIDS. While one is taking a clinical approach and hopes to find a better delivery of drugs to treat the disease, the other is looking for better medications to treat those living with HIV/AIDS who abuse alcohol, tobacco and drugs.

Both have set up research laboratories at the college, and through collaboration, are achieving faster and better results. This is due in part to the interrelated core values that guide the two research teams that work in the lab. The values are spelled out on small signs that are visible at several locations in the lab – GOOD (go on, do more) work, BPNS (be patient and NSP) everyone achieves more. Their research interests are similar enough so that we can help one another, but dissimilar enough so that we are not competing. We have our own avenues and research objectives,” said Theodore (Ted) Cory, PharmD, PhD, assistant professor in the Department of Clinical Pharmacy, who is in his first year of research at UTHSC, and is partnering with Dr. Kumar in his research projects.

The researchers have identified several ways that working together has assisted each of their projects. First, experiments are jointly reviewed and questions about research designs are identified. Group critiques that strengthen projects take place during joint lab meetings. By sharing information and resources, particularly patient recruitment, redundancies are reduced. Through this synergistic approach, each researcher is further along in their respective activities.

Dr. Cory is looking at the places where HIV hides in the body, also known as reservoir or sanctuary sites. In these sites, drug concentrations are not effective. He seeks to find a way to increase the effectiveness of drug concentrations inside of sanctuary sites, thereby reducing the presence of the virus.

To do his research, Dr. Cory works with a technician and a F3 student. As part of his and Dr. Kumar’s project, he is working with Regional One Health (formerly TheMed) to collect blood samples of those who are HIV positive and are also alcohol and drug abusers. The cells are analyzed for molecules that neutralize antiretrovirals.

“We’ve gotten a lot done in the last year,” Dr. Cory said. He has results that are now being prepared for publication. He continued, “Amazing strides have been made in HIV/AIDS research in the last 10-15 years. Having AIDS is no longer a death sentence, but a disease you can live with. There is still a lot of work to do before we have a cure for the disease. Hopefully what I am doing is a small piece that will lead to the long-term goal of a cure.”

The blood samples collected and subjects recruited by Dr. Cory’s lab are also used by Dr. Kumar in his research that is primarily focused on the effects of alcohol and tobacco consumption on long-term survivors of patients with HIV-1 who are receiving antiretroviral therapy.

A prolific researcher and publisher, Dr. Kumar started a new lab to study HIV six years ago. “I saw that this prominent disease was exploding. I thought of the position of ‘What was coming?’ and used my basic science training to begin my research,” he explained. “We are now seeing the maturation of the disease [HIV/AIDS] and have started studying neuro-AIDS and HIV-associated dementia. Those who have lived 10-15 years with the disease are now showing cognitive disorders like memory loss, lack of attention, and shaking hands. This is a hot topic for NIH [National Institutes of Health],” said Dr. Kumar.

The HIV-associated dementia problem is compounded in aging HIV/AIDS survivors as drug, tobacco and alcohol abuse is prevalent in this population. “In some cases, addictions caused the infections, for example using contaminated needles. Now we see that all these addictions interact to make problems worse – HIV/AIDS, drug, tobacco and alcohol abuse. Then, these long-term survivors must face the onset of diseases associated with aging like Parkinson’s and Alzheimer’s,” Dr. Kumar continued.

His research seeks to develop novel drugs and treatments of the cognitive disorders now seen in long-term HIV/AIDS patients who abuse substances. “The drug therapies do not work as well when you are drinking or smoking. Of course, the first choice would be to change the habit. This would be best. But for those who can’t, we hope to find a novel drug solution or change their treatment plan. This population of patients will continue to grow as more people are living with the disease.”

Funded by an NIH grant, Dr. Kumar’s research team comprises two postdoctoral trainees, three graduate students, a research assistant, a summer student and a volunteer. "We are now seeing the maturation of the disease [HIV/AIDS] and have started studying neuro-AIDS and HIV-associated dementia. Those who have lived 10-15 years with the disease are now showing cognitive disorders like memory loss, lack of attention, and shaking hands. This is a hot topic for NIH [National Institutes of Health]," said Dr. Kumar.

The HIV-associated dementia problem is compounded in aging HIV/AIDS survivors as drug, tobacco and alcohol abuse is prevalent in this population. “In some cases, addictions caused the infections, for example using contaminated needles. Now we see that all these addictions interact to make problems worse – HIV/AIDS, drug, tobacco and alcohol abuse. Then, these long-term survivors must face the onset of diseases associated with aging like Parkinson’s and Alzheimer’s,” Dr. Kumar continued.

His research seeks to develop novel drugs and treatments of the cognitive disorders now seen in long-term HIV/AIDS patients who abuse substances. “The drug therapies do not work as well when you are drinking or smoking. Of course, the first choice would be to change the habit. This would be best. But for those who can’t, we hope to find a novel drug solution or change their treatment plan. This population of patients will continue to grow as more people are living with the disease.”

Funded by an NIH grant, Dr. Kumar’s research team comprises two postdoctoral trainees, three graduate students, a research assistant, a summer student and a volunteer. "We are now seeing the maturation of the disease [HIV/AIDS] and have started studying neuro-AIDS and HIV-associated dementia. Those who have lived 10-15 years with the disease are now showing cognitive disorders like memory loss, lack of attention, and shaking hands. This is a hot topic for NIH [National Institutes of Health]," said Dr. Kumar.
Congratulations!

Micah Cost, PharmD '08, has been named the Tennessee Pharmacists Association (TPA) executive director. He has been a member of TPA since 2008 and has served as the executive resident in Association Management Affairs. Dr. Cost has served as director. He has been a valued association partner.

Tracy McDowd, PharmD '09, has been named chair of the Academy of Managed Care Pharmacy (AMCP) Schools of Pharmacy Relations Committee. She joined the academy in 2010 and in April 2012 and was selected to serve on AMCP Schools of Pharmacy Relations Committee (SOPRC). The SOPRC committee chair attends the annual AMCP winter Leadership Meeting along with the AMCP board of directors, elected officers and committee chairs. As part of this role, she serves as the national diplomat director in which she oversees the AMCP Diplomat Program. She most recently presented an educational session at the AMCP Nexus meeting in Boston, Massachusetts, in October 2014 titled, "The ABCs and Stars of Quality Measures" as part of the Fundamentals of Managed Care Pharmacy Certificate Program. Her session reviewed health plan accreditation, quality measures related to medication use, and an overview of the Medicare Part D Ratings program.

William A. Humphrey, DPh '82, MBA, was appointed to serve on the U.S. Food and Drug Administration (FDA) Pharmacy Compounding Advisory Committee. The committee is made up of 12 voting members and two non-voting members. They are responsible for providing advice on scientific, technical, and medical issues related to drug compounding under the Federal Food, Drug, and Cosmetic Act sections 503A and 503B.

Dr. Humphrey is currently the director of Pharmacy Operations at St. Jude Children’s Research Hospital in Memphis. He joined St. Jude and became an adjunct faculty member at UTHSC COP in 1985 after completing two years of residency at Methodist Hospital and receiving an MBA from the University of Memphis.

Joshua Caballero, PharmD '01, BCPP, was recently named to the American Society of Parenteral and Enteral Nutrition (ASPEN) New Practitioner Award on behalf of the Pharmacy Practice Section. He received the award for his research project titled, "Nutrition Support Service-Guided Intravenous Potassium Therapy for Hypokalemic Critically Ill Trauma Patients."

This award recognizes achievements of a new practitioner pharmacist or student pharmacist member of ASPEN who is involved in research to further the science and practice of nutrition support. This is the fourth time in the past five years that a UTHSC COP trainee has received this award. When asked about receiving the award, Dr. Johnston replied, "I was honored to be chosen as the recipient of the award this year. I would not be here without the support of my friends and family and the incredibly talented faculty and clinical pharmacists at UT who gave me the opportunity to learn from them and mentored me along the way."

In February, Corry Johnston, PharmD ’11, BCPS, BCNSP, CNCS, was awarded "Get the Residency." Dr. Caballero is currently an associate professor at Nova Southeastern University with a practice site at Nova Southeastern University Geriatrics Clinic. His professional interests are psychiatric pharmacy and pharmacy education. He is a preceptor for students in their advanced pharmacy practice experiences and coordinates one of the therapeutics sequences and a pharmacy residency elective course.

Dr. Caballero primarily lectures on psychiatric topics in various populations. He has been a past recipient of the yearly Golden Apple Award (2008, 2010), given to the best professor in the College of Pharmacy and the SGA Student Advisor of the Year Award in 2013.

In February, Corry Johnston, PharmD ’11, BCPS, BCNSP, CNCS, was awarded "Get the Residency." He has been a member of the American Society of Parenteral and Enteral Nutrition (ASPEN) New Practitioner Award on behalf of the Pharmacy Practice Section. He received the award for his research project titled, "Nutrition Support Service-Guided Intravenous Potassium Therapy for Hypokalemic Critically Ill Trauma Patients."

This award recognizes achievements of a new practitioner pharmacist or student pharmacist member of ASPEN who is involved in research to further the science and practice of nutrition support. This is the fourth time in the past five years that a UTHSC COP trainee has received this award. When asked about receiving the award, Dr. Johnston replied, "I was honored to be chosen as the recipient of the award this year. I would not be here without the support of my friends and family and the incredibly talented faculty and clinical pharmacists at UT who gave me the opportunity to learn from them and mentored me along the way."

In February, Corry Johnston, PharmD ’11, BCPS, BCNSP, CNCS, was awarded "Get the Residency." He has been a member of the American Society of Parenteral and Enteral Nutrition (ASPEN) New Practitioner Award on behalf of the Pharmacy Practice Section. He received the award for his research project titled, "Nutrition Support Service-Guided Intravenous Potassium Therapy for Hypokalemic Critically Ill Trauma Patients."

This award recognizes achievements of a new practitioner pharmacist or student pharmacist member of ASPEN who is involved in research to further the science and practice of nutrition support. This is the fourth time in the past five years that a UTHSC COP trainee has received this award. When asked about receiving the award, Dr. Johnston replied, "I was honored to be chosen as the recipient of the award this year. I would not be here without the support of my friends and family and the incredibly talented faculty and clinical pharmacists at UT who gave me the opportunity to learn from them and mentored me along the way."

Jonathan Bain, PharmD ’11, is a critical care pharmacy specialist at the Cedars Sinai Medical Center in Los Angeles, California. Dr. Bain was recognized for his outstanding work in critical care pharmacy in the May 2015 Member Spotlight report of the American College of Clinical Pharmacy (ACCP).

In the article, on the organization’s website, Dr. Bain credits the influence from his UTHSC College of Pharmacy mentors: G. Christopher Wood, PharmD, FCCP, BCPS-AQ ID; Bradley Boucher, PharmD, FCCP, FACC, and P. David Rogers, PharmD, PhD, for his initial decision to join ACCP. Dr. Bain also noted, “I hope it stresses the importance of professional mentors, I have only gotten this far by surrounding myself by them and always striving to be more like them. If you shoot for the stars and miss, at least you will land among the stars.”

Jonathan Bain, PharmD ’11, is a critical care pharmacy specialist at the Cedars Sinai Medical Center in Los Angeles, California. Dr. Bain was recognized for his outstanding work in critical care pharmacy in the May 2015 Member Spotlight report of the American College of Clinical Pharmacy (ACCP).

In the article, on the organization’s website, Dr. Bain credits the influence from his UTHSC College of Pharmacy mentors: G. Christopher Wood, PharmD, FCCP, BCPS-AQ ID; Bradley Boucher, PharmD, FCCP, FACC, and P. David Rogers, PharmD, PhD, for his initial decision to join ACCP. Dr. Bain also noted, “I hope it stresses the importance of professional mentors, I have only gotten this far by surrounding myself by them and always striving to be more like them. If you shoot for the stars and miss, at least you will land among the stars.”
The 128th Annual Tennessee Pharmacists Association Convention and Expo was held on July 13–16 in Murfreesboro, Tennessee. Many faculty and alumni presented at the conference; several received awards.

- Rob A. Lucas, PharmD, BCPS, FASHP, received the 2015 Health-System Pharmacist of the Year Award.
- Jeanne R. Ezell, DPh ’78, MS, FASHP, received the 2015 Distinguished Service Award.
- Ronnie Felts, DPh ’74, received the 2015 Cardinal Health GenerationRx Champions Award.
- W. Shannon McCool, DPh ’72, received the 2015 Innovative Health-System Pharmacy Practice Award to Other Health-System Pharmacy Practice Types.

Dr. Bradberry serves as dean at Creighton University College of Pharmacy.

- Diane D. Behm, PharmD ’71, was a UTHSC College of Pharmacy faculty member for 30 years. Med Communications, Inc., a medical information consulting and outsourcing company located in the Memphis BioWorks Foundation Building.

- Fred Gattas, PharmD ’91, BCNP, and Susan S. Vos, PharmD ’03, BCPS, were named Fellows of the American Pharmacists Association (APhA) in March. Candidates for this designation are selected from members of either the APhA-Academy of Pharmacy Practice and Management (APhA-APPM) or the APhA-Academy of Pharmaceutical Research and Science (APhA-APRS). To be awarded fellowship status, members must have a minimum of ten years professional experience and have demonstrated exemplary professional achievements and service to the profession through activities with APhA and other professional organizations.

- Tracy Hagemann, PharmD, professor of Clinical Pharmacy at UTHSC, has been an active leader in APhA-APPM, taking on a variety of roles and leadership positions within the organization. Dr. Gattas said, “When the call came in from APhA that I was actually going to be recognized, I then felt a weight because I know many of the current APhA Fellows, and all they have done for the profession of pharmacy.”

- Dr. Vos is currently a clinical associate professor and director of the Professional Experience Program at the University of Iowa College of Pharmacy. She has been heavily involved in APhA throughout her pharmacy career, holding leadership positions and serving as the advisor for the University of Iowa College of Pharmacy chapter of the APhA-Academy of Student Pharmacists (APhA-ASP).

- On Sept. 5, the University of Tennessee Alumni Association hosted a Big Orange Tailgate Tour bash at BB King’s in downtown Nashville before the UT vs. Bowling Green game. Kris Phillips, associate vice chancellor of Alumni Affairs and Tracy Hagemann, PharmD, professor of Clinical Pharmacy and associate dean for the Nashville campus, spoke about the new UTHSC College of Pharmacy campus in Nashville, UTHSC’s partnership with St. Thomas Hospital, and how these collaborations boost the college’s presence in Nashville and the surrounding area.

- Chris Bradberry, PharmD ’72, was named interim president of Creighton University. Dr. Bradberry has been a faculty member at several institutions, including the University of Nebraska, the University of Texas, the University of Oklahoma and the University of Tennessee where he was professor. Departments of Pharmacy and Family Medicine, and chair, Department of Pharmacy Practice and Pharmacoeconomics. He served as interim vice president for Academic Affairs at Creighton University from January 2014 – August 2014. Dr. Bradberry serves as dean at Creighton University Medical Center School of Pharmacy and Health Professions, and he is an active member in several professional organizations.

- Harriet Behm, PharmD ’75, was selected as one of the eight best college professors in Lane County, Oregon. Candidates for the award were chosen from The University of Oregon, Lane Community College, and Northwest Christian University. The recognition comes from an article published by Eugene Magazine, which occasionally writes about the most highly regarded people in various professions in the area. As an adjunct professor of chemistry at Lane Community College, she was the only one of the eight chosen who teaches science. She also was honored previously with a Faculty Recognition Award. Dr. Behm says that she puts in a lot of extra hours and works very hard to make chemistry “interesting, fun, non-scary, and accessible.” She does say, however, that students have to work very hard in her classes but are always rewarded if they are willing to put in the time and effort.

A second-generation pharmacist, Dr. Micah Cost currently serves as the executive director for the Tennessee Pharmacists Association (TPA). Prior to assuming this role, Dr. Cost completed an executive residency in association management and health policy with TPA and served for more than five years as TPA’s director of professional affairs.

Since earning a Bachelor of Arts degree from Lipscomb University and Doctor of Pharmacy degree from UTHSC, Dr. Cost has practiced long-term care pharmacy, community pharmacy, and health-system pharmacy; and he recently completed a Master of Science in Pharmaceutical Outcomes and Policy through the University of Florida. He currently serves as a trainer for the American Pharmacists Association in the specialty practice areas of pharmacy-based immunization delivery, diabetes care, and delivering medication therapy management services. Additionally, Dr. Cost serves as a preceptor for APPE students from several pharmacy programs in Tennessee.

Dr. Cost is the son of Dr. Terry Cost and Mrs. Gayle Cost, of Franklin, and he and his wife of nine years, Kyle, live in Thompson’s Station.
Congratulations!

Gov. Bill Haslam has appointed William E. Evans, PharmD ’73, ’74, to the University of Tennessee Board of Trustees. Dr. Evans is one of four executives from across the state appointed to the board. He served as Chief Executive Officer of St. Jude Children’s Research Hospital. Dr. Evans is a fellow of the American Association for the Advancement of Science, the American Association of Pharmaceutical Scientists, and the American College of Clinical Pharmacy (ACCP).

He is also a past president of ACCP and the American Pharmacists Association – Academy of Pharmaceutical Research and Science.

Dr. Evans has also served in roles with the Institute of Medicine of the National Academy of Sciences and as a member of the Board of Scientific Counselors of the National Cancer Institute.

An evening at the Orpheum

A UT orange bow tie and cummerbund accented his tuxedo as Dr. Jim Eoff, former executive associate dean at UTHSC College of Pharmacy, performed at the Orpheum Theatre on June 9, 2015. The opportunity to play the grand movie theatre organ was a retirement gift from the college in honor of his 45 years of faithful service.

Guests, including two busloads of friends from Christ United Methodist Church, assembled in the historic theatre where they were treated to 11 sets of songs. Dr. Eoff’s fingers flew across the keys and his feet pumped the pedals of the ornate organ for more than two hours.

The audience participated in a sing-along that included, of course, “Rocky Top.”

Dr. Eoff said of the event, “This organ concert was one of the highlights of my career and meant so much to me personally. I was overwhelmed by the generosity of those who provided this experience for my retirement gift and equally overwhelmed by the number of colleagues, students and friends who attended. I had a fantastic time, and the thrill of the evening was on par with that of a win over Alabama in football.”

In September, UTHSC COP Alumni President Martha Shepard, BS ’73, and her husband David, BS ’74, created a scholarship that will provide assistance to students with demonstrated financial need. To be considered, students must be from Middle Tennessee, or pursue their education and training from the newly accredited Nashville campus.

The Shepards, who live in Dickson, have worked throughout their careers to effect local and state health care legislation and policies. David serves as a state legislator.

“David and Martha are wonderful examples of the difference UT alumni make in their community, in our state and as an integral part of our university family,” Dr. Chisholm-Burns said. “We greatly appreciate their support and commitment to their alma mater. We will continue to work diligently to be worthy stewards of all the resources our pharmacy alumni so generously donate.”

The Shepards were recently featured in the Spring 2015 issue of Tennessee Alumni magazine. See http://alumni.uttennessee.edu/2015/05/health-care-providers/ to read more about them.

Certifications

Brandon Hale, PharmD ’11, became a licensed diabetes educator in Kentucky. The mission and purpose of the Kentucky Board of Licensed Diabetes Educators is to regulate the practice of diabetes education in Kentucky and to ensure safe and competent diabetes education to all people in the commonwealth.

Corry T. Johnston, PharmD ’11, BCNSP, a clinical pharmacist at the University of Maryland Baltimore Washington Medical Center, earned the Certified Nutrition Support Clinician (CNCS) designation. The CNCS is a multidisciplinary certification from the National Board of Nutrition Support Certification established by the American Society of Parenteral and Enteral Nutrition. It is the most widely accepted, visible nutrition support certification with recognition both nationally and internationally.

Grishma Desai, PharmD ’11, assistant professor of Clinical Pharmacy, became a Certified Professional in Health Information and Management Systems (CPHIMS). Dr. Desai completed a PGY-1 residency at the Grady Health System of Atlanta, Georgia in 2012 and currently practices as an informatics pharmacist at Baptist Memorial Hospital in Memphis.

Want to find a classmate or share news? To stay connected go to: http://uthscaalumni.com/KeepInTouch

We’re social!
Keep up with the UTHSC College of Pharmacy online.

Please join the UTHSC College of Pharmacy for an Alumni Reception
in conjunction with the ASHP 50th Midyear Clinical Meeting and Exhibition
Tuesday, Dec. 8, 2015 • 5:30 – 7:30 p.m.
New Orleans Downtown Marriott
at the Convention Center
859 Convention Center Blvd., New Orleans, LA 70130
Watch your email for more information!
At scholarship presentation ceremonies held simultaneously on Aug. 28 in Knoxville, Memphis and Nashville, a total of 352 scholarships were awarded to UTHSC College of Pharmacy students. Many thanks to our generous alumni donors.

Kevin Lazarini Scholarship
Sara Neil

Kmart Scholarship
Antashara Davis

Larry and Sherry Hill Community Pharmacy Scholarship
Lauren Bunch

UTAA Legacy Scholarship
Sara Baltensperger

Leonard and Dotty Compton Scholarship
Melanie Manis

Linda Highers Scholarship
Alexandra Blalock, Shelby Brooks, Robert Bruno, Nicholas Cohagen, Margaret Cothen, Carman Esch, Courtney Grant, Dree Holmes, Kerri Horton, Daniel Jints, Jessica Johnson, Kimberly Johnstone, Paige Kirby, Jeremiah Mooney, Jordan Perine, Gregory Phelps, Haley Porter, Lindsey Schobert, Cori Shope, Joseph Stokes, Megan Thomas, Selena Warnimont, Rebecca Whitehead, Megan Whitten

Martha Ann Robinson Scholarship
Torney Smith, Elmer “Trey” Smith

Melinda Rhea Garrett Scholarship
Sara Fletcher

Memphis Area Pharmacists Society Scholarship
Ashley Weavar

Mickey and Hille Collins King Scholarship
Kara Loveland, Jessica Smith

Pharmacy Centennial Scholarship
Lauren Bode, Hannah Donnelly

Pharmacy Class of 1961 Scholarship
Adam Beeler

PharmD/PhD Scholarship
Kayhura Narrigata

Philip and Gaye Enkema Scholarship
Nancy Tran

Plough Scholarship
Sara Baltensperger, Mary Barrett, Anna Bing, James Bolin, Sarah Burnett, Laken Bush, James Butts, Jessica Cantor, Krystyna Clark, Mark Cole, Alexandra David, Bethany Doss, Margaret “Molly” Goggans, Margaret Gray, Cameron Haeflet, Kimberly Hall, Steven Harms, Lauren Hoth, Sarah Hunter, Austin Ing, Karen Jasinin, Weston Keen, Anna Kegley, Dylan Knox, Ashley Kwasigroh, Haley Leach, Bethany Leachman, Morgan Lingertaff, Peyton Lucas, Keagan Mattos, Christopher McCown, Amy McTalbot, Mostafa Moarefian, Cody Murrell, Sara Neil, Daniel Nes, Sara Nimer, Ethan Odoeal, Mary Palkalla, Emily Pahde, Samantha Pekyof, Gerald Phillips, Joseph Pittman, Christina Rickman, Katherine Robinson, Jillian Schmidt, Sarah Schuman, Sara Shelton, Steven Skovran, Sophia Smith, Karle Taylor, Stephanie Terry, Roxanna Waremman, Colton Whiteside, Christina Rosewitz, Timothy Zacze, Aaron Zufker

Scholarship listing continued on following page.

A few photos from the scholarship representations: at left, Knoxville; above, Memphis; at right, Nashville.
Have you thought about the legacy you will leave behind? Planning giving can fulfill your wishes, simplify your estate for your family, and reduce the tax burden applied to your assets, all while benefiting causes you hold dear. The special nature of these gifts deserves a special honor, and UTHSC offers membership in its Hershel P. “Pat” Wall Legacy Society.

Arguably the most recognizable figure in UTHSC’s history, Hershel P. “Pat” Wall, MD ’60, has dedicated more than 50 years to the University of Tennessee as a student, and then a pediatrics, faculty member and administrator. He currently advises UTHSC leaders as special assistant to the chancellor. His passion for the missions at UTHSC is unsurpassed, and it is the inspiration for our recognition society to honor our donors who make planned gifts.

Donors are able to share a part of their lives by joining this society. As a member, you can join Dr. Wall in making an impact on the lives of students.

For more information about making a planned gift to UTHSC and Legacy Society membership, contact Bethany Goosby at (901) 448-8212 or bgoosby@uthsc.edu.

Thank you to our Legacy Society members!

Alan B. and Mary L. Corley
James C. and Anne B. Eoff III
Don C. and Sandra H. Fancher
Glen E. and Kathy B. Farr
Robert Fink
Dick R. and Greta A. Gourley
David Huntley
Rose S. Lafoon
L. Steve Lubin
Ben S. Moore
Tommy W. and Stephanie Page
Stephan H. Powell
James R. and Nancy Price
Martha and David A. Shepard
Michael G. and Ann N. Swaim
James W. and Phyllis Taylor

Scholarships continued from previous page

Raymond McCullough Scholarship
Mineka Bridges, Celestino Zayas Morales
Reeves-Sain Scholarship
Jon Golden
Robert and Thelma Dodson Scholarship
Sarah Hodge, Emily Longaker, Christopher McCown
Roger W. Price Scholarship
Kimberly Kellar
Sammie and Doris Arnold Scholarship
Walter Spence
Taylor Family Scholarship
Bernard Britton

Tennessee Diversity Scholarship

University Scholar Scholarship

Vic and Lucille Freels Scholarship
Lisa Hayes

Virginia Eoff Scholarship
Dina Ali

Walgreens Scholarship
Mark Cole, Tien Huynh, Justin Macklin, Carvin Metra, Hinabab Patel, Melanie Shelton

Wal-Mart Scholarship
Jim Herndon, Haley Rice, Tanner Shields

William P. Purcell Scholarship
Molly Hunt

In April, the UTHSC COP Alumni Board of Directors held its two-day spring meeting at the College of Pharmacy in Memphis. On Thursday evening, board members enjoyed dinner together at the Majestic Grill where Max Ray was presented the Distinguished Service to Pharmacy award at the close of the meal. On Friday, the board members participated in a full day of planning. During lunch, Chancellor Schwab spoke to the group.

2014-2017 Board of Directors Officers

PRESIDENT ............ Martha Shepard
PRESIDENT ELECT .... Paula B. Hinson
AREA VICE-PRESIDENTS
West – Jackie Bundy, Middle – David Brown, East – Larry Shepherd

Board of Directors
PAST PRESIDENTS
Tara Moore
Billy J. Piegell
Vicky A. Shelton
Leonard 1. Compton
Alan B. Corley
Steven B. Peggs
Phonzie W. Brown, Jr.

WEST TENNESSEE REPRsENTATIVES
Mark Wilson
Richard Brown
Rick Chambers

MIDDLE TENNESSEE REPRsENTATIVES
Richard Randolph
Ron Felts
Marcus Dortch

EAST TENNESSEE REPRsENTATIVES
Marty Wellman
Aaron “Brent” Dunlap

Ex-Officio Members

Chancellor Steve Schwab
Dean Marie A. Chisholm-Burns
Asso. Dean Jennifer Williams
Asso. Dean Peter Chyka
TPA Associate, M. C. Moath
State Rep. David Shepard
State Sen. Ferrell Hale
State Sen. Randy McNally
Chancellor Emeritus
Hershel P. Wall

APPOINTED ALUMNI
David F. Black
Sandra H. Fancher
W. Shannon McCool
Wayne D. Mitchell
Lindsay Wells

APPOINTED NON-ALUMNI
Bob Fink
Scott A. McKillop
Carl A. Meredith

Ex-Officio Members

Chancellor Steve Schwab
Dean Marie A. Chisholm-Burns
Asso. Dean Jennifer Williams
Asso. Dean Peter Chyka
TPA Associate, M. C. Moath
State Rep. David Shepard
State Sen. Ferrell Hale
State Sen. Randy McNally
Chancellor Emeritus
Hershel P. Wall

APPOINTED ALUMNI
David F. Black
Sandra H. Fancher
W. Shannon McCool
Wayne D. Mitchell
Lindsay Wells

APPOINTED NON-ALUMNI
Bob Fink
Scott A. McKillop
Carl A. Meredith

2014-2017 Board of Directors Officers

PRESIDENT ............ Martha Shepard
PRESIDENT ELECT .... Paula B. Hinson
AREA VICE-PRESIDENTS
West – Jackie Bundy, Middle – David Brown, East – Larry Shepherd

Ex-Officio Members

Chancellor Steve Schwab
Dean Marie A. Chisholm-Burns
Asso. Dean Jennifer Williams
Asso. Dean Peter Chyka
TPA Associate, M. C. Moath
State Rep. David Shepard
State Sen. Ferrell Hale
State Sen. Randy McNally
Chancellor Emeritus
Hershel P. Wall
UTHSC COP Alumni Board of Directors

Board members attended a full day of planning. During lunch, Chancellor Schwab spoke to the group.

On Sept. 4, 2015, John Autian, PhD, passed away at the age of 91.

Dr. Autian was a native of Philadelphia. He earned a BS in Pharmacy at Temple University and a MS and PhD at the University of Maryland. He arrived at the UT College of Pharmacy in 1967 from the University of Texas and established the Materials Science Toxicology Laboratories. The laboratories reached a level of national and international prominence and helped establish new federal regulations on medical devices.

In 1973, Dr. Autian was named the first recipient of the UT National Alumni Association Public Service Award. He served as president of the UTHSC Faculty Senate and was chair of the Department of Molecular Biology.

Named dean of the College of Pharmacy on Aug. 1, 1975, Dean Autian pushed for approval of the PharmD degree as the entry-level degree in pharmacy. He served as a dean until 1982, when he was named dean of the UT Graduate School of Medical Sciences and vice chancellor for Research, serving until his retirement in 1985.

During his career, Dr. Autian authored or co-authored numerous articles in the fields of pharmacology, toxicology and biomedical materials.

After retirement, he worked tirelessly as an international healthcare and health science educator. He was a proponent of the Memphis Biomedical Research Zone.
Clean House
The Plough Center for Sterile Drug Delivery Systems, which has been in the works for about five years, breaks ground.

Multidisciplinary Action
As the UTHSC Multi-Disciplinary Simulation Center moves forward, it catches the attention of the media.

Strep in the Right Direction
An invention by Dr. James Dale aims to combat an age-old ailment.

Pressure Management
A UTHSC physician’s search for at-risk cells may lead to new ways to protect against glaucoma.

Golden Graduate Weekend
Above: Members of the College of Pharmacy Class of 1965 received their Golden Graduate medallions. Shown from left to right, front row: Dr. Dianne Vest Duncan; Dr. Jerry W. Hickerson; Ann Crockett Richardson; Dr. Barbara Guthrie Wells. Back row: William Morris Elliott, Sr.; Robert E. Phillips; Dr. Darrell A. Raber; Phonzie W. Brown, Jr.

Alumni from all six UTHSC Colleges, including 13 from the College of Pharmacy, traveled to Memphis to attend Golden Graduate Homecoming held Oct. 14-16. Events included dinner at the Rendezvous, breakfast with the chancellor, Open Houses at the various colleges, and the Golden Graduate Medal Ceremony and Dinner held at the Pink Palace.

Groundbreaking research, first-class education, superior clinical care, and dedicated public service—UTHSC is making news 24/7, and the world is helping us tell our story. For a look at what the local, national and international media are saying about UTHSC, go to news.uthsc.edu/in-the-media.
In Remembrance

Jimmy F. McDonald, BS ’49
Cordova, Tennessee

Dr. James Frank “Jimmy” McDonald, of Memphis, died Dec. 9, 2014, at the age of 86. Dr. McDonald attended South Side High School, Memphis State University and UTCOP, graduating in 1949. He then worked as a retail pharmacist and was drafted into the U.S. Army during the Korean War. In 1966, he purchased Highland Heights Pharmacy and worked there until he retired.

Dr. McDonald helped establish the Seldon D. Feurt Memorial Endowment at UTHSC COP, which supports students, faculty and efforts in the college. An accomplished professional, he was the recipient of many pharmacy-related awards and served on numerous professional committees. He was appointed by Gov. Winfield Dunn to a five-year term on the Tennessee Board of Pharmacy and served as president of the Tennessee Pharmacists Association and the Memphis Area Pharmacists Society.

Al H. Nobles Jr., BS ’39, Memphis
Martha D. Huddleston, BS ’45, Brentwood, Tennessee
Garland E. McCain, BS ’48, Memphis
James W. Warner III, BS ’48, Nashville
R.H. Willis, BS ’49, Memphis
Chester Owen Graves, BS ’50, Alcoa, Tennessee
Charles Loren Tait, BS ’52, Charlotte, North Carolina
Olin E. Westmoreland, BS ’55, Knoxville
Harold Clement Murrell, BS ’57, Atoka, Tennessee
C. Eugene Watkins, BS ’57, Monroe, Louisiana
Edgar W. Keelin, BS ’59, Kenosha, Wisconsin
Samuel G. Townsley Sr., BS ’59, Foley, Alabama
John A. Kinaid, BS ’61, Murfreesboro, Tennessee
Jack W. Lindsay, BS ’64, MD ’65, Crossville, Tennessee
Thomas E. Lowe, BS ’64, Morristown, Tennessee
George D. Deal, BS ’65, Brentwood, Tennessee
Lynn H. Holt, BS ’62, Knoxville
Douglas Edward Wilson, BS ’65, Ten Mile, Tennessee
Larry B. Bates, BS ’70, Ripley, Tennessee
Bobby G. Bryant, BS ’70, PharmD ’71, Birmingham, Alabama
Danny R. George, BS ’70, McMinnville, Tennessee
Neal D. Presley III, PharmD ’74, BS ’73, Nolensville, Tennessee
Warren C. Jackson, BS ’74, Memphis
Lisa D. Wei, BS ’83, Jackson, Tennessee
Gerald Dwayne Bentley, PharmD ’82, Memphis

McDonald, of Memphis, died Dec. 9, 2014, at the age of 86. Dr. McDonald attended South Side High School, Memphis State University and UTCOP, graduating in 1949. He then worked as a retail pharmacist and was drafted into the U.S. Army during the Korean War. In 1966, he purchased Highland Heights Pharmacy and worked there until he retired.

AI H. Nobles Jr., BS ’39, Memphis
Martha D. Huddleston, BS ’45, Brentwood, Tennessee
Garland E. McCain, BS ’48, Memphis
James W. Warner III, BS ’48, Nashville
R.H. Willis, BS ’49, Memphis
Chester Owen Graves, BS ’50, Alcoa, Tennessee
Charles Loren Tait, BS ’52, Charlotte, North Carolina
Olin E. Westmoreland, BS ’55, Knoxville
Harold Clement Murrell, BS ’57, Atoka, Tennessee
C. Eugene Watkins, BS ’57, Monroe, Louisiana
Edgar W. Keelin, BS ’59, Kenosha, Wisconsin
Samuel G. Townsley Sr., BS ’59, Foley, Alabama
John A. Kinaid, BS ’61, Murfreesboro, Tennessee
Jack W. Lindsay, BS ’64, MD ’65, Crossville, Tennessee
Thomas E. Lowe, BS ’64, Morristown, Tennessee
George D. Deal, BS ’65, Brentwood, Tennessee
Lynn H. Holt, BS ’62, Knoxville
Douglas Edward Wilson, BS ’65, Ten Mile, Tennessee
Larry B. Bates, BS ’70, Ripley, Tennessee
Bobby G. Bryant, BS ’70, PharmD ’71, Birmingham, Alabama
Danny R. George, BS ’70, McMinnville, Tennessee
Neal D. Presley III, PharmD ’74, BS ’73, Nolensville, Tennessee
Warren C. Jackson, BS ’74, Memphis
Lisa D. Wei, BS ’83, Jackson, Tennessee
Gerald Dwayne Bentley, PharmD ’82, Memphis

In the College of Pharmacy, these gifts are used to support the recruitment and enrichment of our students, fund research leading to better treatment for common illnesses, and help attract top faculty to train the next generation of leaders.

Did you know...
- Tuition covers only about 48 percent of the cost to educate a student.
- UTHSC COP awards more than $300,000 in scholarships and aid annually.

Join the 1911 Society today to support our growth and provide greater opportunities for our students.

Give now: uthscalumni.com/give
Learn more: uthscalumni.com/1911

Please note: The College of Pharmacy and the Office of Alumni Affairs have worked to provide an inclusive and accurate listing. This listing is current through Oct. 29, 2015. Please inform the UTHSC Office of Alumni Affairs of any errors or omissions to provide an inclusive and accurate listing. This listing is current through Oct. 29, 2015.

If you would like to make a donation in memory or honor of a classmate or alumnus, contact Martha D. Huddleston, Executive Director of Development, at (901) 448-5516, (800) 733-0482 or uthscalumni@uthsc.edu.
It’s flu shot time in Tennessee! UT President Joe DiPietro rolls up his sleeve on Sept. 24 to get his flu shot from UTHSC College of Pharmacy student pharmacist Amy Veracco, a member of APhA-ASP. In 2014, a total of 8,197 flu shots were administered by student pharmacists. See pages 24-25 to learn about more ways members of the College of Pharmacy professional organizations have joined together and served the community.