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Kristine Ottosen has managed to work 10 medical missions into her schedule while in pharmacy school. Read about her adventures and her passion for these trips in this issue.

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The Dean's Message

Dear Alumni and Friends,

The 2011-12 academic year brings more accomplishments and excitement among our students, faculty, and staff. In the third year of our new Pharm.D. curriculum, we are enthusiastic about the enhanced problem solving and practice skills of our student pharmacists. We look forward to seeing how these learning experiences affect the further development of practice proficiency among our P4 students as they begin Advanced Pharmacy Practice Experiences this summer.

We are extremely proud of our student pharmacists' involvement in community service and outreach. This issue of *Focus* features several programs involving various individual student pharmacists and student groups. Our students have collaborated with students in nursing and social work to provide health screening services for underserved populations through Project Collaborate. For many who lack health insurance, these free programs are the only access that they may have to health screenings. Meanwhile, individual student pharmacists are making a difference through initiatives such as working on medical missions throughout the world and participating in internships with the World Health Organization.

Faculty and students continue to make major research accomplishments. Following three years of coordinated effort, approval was received to initiate a new Ph.D. program. The program designed to prepare scientists to take basic research findings to clinical trials in humans and on to practice is a collaborative effort of four UT institutions – UT Health Science Center San Antonio, UT Austin College of Pharmacy, UT San Antonio, and the UT Houston School of Public Health. Faculty in the college's Pharmacotherapy Division located on the UTHSCSA campus provided significant leadership in achieving approval for this new degree program. We plan to admit the first students into this graduate program in fall 2012.

Faculty throughout the college continue to receive grants and perform research that adds scientific knowledge that will advance human health either in the short-term or in the years to come. Significant among these are separate grants received by Drs. Dalby, Person, and Vasquez to further our understanding of basic mechanisms in the etiology of cancer and to develop new treatments. Dr. Morrisett's new grant investigating mechanisms of addiction adds to current funding he has and will allow him to take his research to a new level. Drs. Liu, McGinity, and Shepherd all received awards or recognition for their research and scholarship accomplishments. Not only do these efforts produce new knowledge, they also allow our graduate students and our Pharm.D. students to learn from leading scientists and professionals. Grant funding is essential for faculty to conduct cutting edge research, and it is equally necessary in developing graduate programs of excellence. During 2010-11, college faculty received more than \$10 million in research grants, and they are working collaboratively to increase funding in future years.

Although our college continues to demonstrate excellence in education, research, and service, we are not without challenges. State budget cuts resulted in the need for tuition increases to sustain excellence, and we still have significant needs for additional pharmacy practice faculty and for further improvements in learning facilities. We need your help in addressing these challenges. Tuition increases enhance our need for endowed Pharm.D student scholarships and graduate fellowships. Our student professional development efforts and community outreach programs are almost solely funded through generous giving by our alumni and friends. We encourage you to consider the UT College of Pharmacy and our ongoing efforts to benefit society when you think of giving. Remember, "What starts here changes the world!"

Best regards,

M. Lynn Crismon, Pharm.D.

Dean





New Ph.D. Program

College to offer translational science doctorate study

On average, 24 years pass before a major scientific discovery makes its way from the research laboratory to patient care settings. The College of Pharmacy is working to speed up this process by joining forces with other University of Texas institutions to establish a new doctoral program in translational science.

The college joins UT Health Science Center at San Antonio (UTHSCSA), UT San Antonio (UTSA), and the UT School of Public Health - San Antonio Regional Campus in announcing the creation of a Ph.D. degree program in translational science, a term used to describe the bridge between scientific discovery and patient care application. Students in the program can begin coursework as early as Fall 2012.

“The college is excited about the potential that this program has to accelerate the application of new research findings to patient care. This program will combine the strength in the pharmaceutical and biomedical sciences at UT Austin with the clinical science resources at UTHSCSA,” said Dr. Lynn Crismon, dean of the College of Pharmacy. “The college has a longstanding partnership with the Health Science Center and is fully integrated into San Antonio research activities so we are positioned to see this program get underway by next fall.”

Students in the program will take 24 hours of core curriculum before moving into one of two tracks - the first that teaches translation of science from basic discovery to clinical trials, or a second that teaches movement of discoveries from clinical trials to community and policy.

Students will enroll in graduate school at their respective UT campus, but the program will be granted collectively by the college, the UTHSCSA and UTSA with participation by the School of Public Health. Although the college is the UT

Austin home for the joint degree program, faculty members in other departments on campus have the opportunity to participate as well.

Fewer than 20 translational science Ph.D. programs are available across the country. Currently two other translational science Ph.D. programs are offered in Texas, one at the UT Medical Branch at Galveston and the other at Baylor College of Medicine. Only two additional programs are located in a 12-state region surrounding Texas and only 17 are offered nationwide.

“This translational science Ph.D. program will blend the strengths of each university to enhance the research and interprofessional graduate training of the University of Texas System,” said Dr. David Burgess, head of the college’s Pharmacotherapy Division and an instrumental leader in developing the program.

“Today, antimicrobial resistance is a major public health crisis with limited new antibiotics being developed each year,” Burgess continued in citing one example where graduates of the new degree program will make a difference. “This program will break down barriers to allow and encourage researchers to work together as a team of scientists to

find faster and better way to treat patients with a resistant bacteria.”

Translational scientists work to improve health care delivery, patient outcomes and community health by working as members of teams and interacting with scientists from other disciplines, engineers, health care professionals, laboratory and other technicians, health services professionals, administrators and representatives of community organizations. Translational

*Translational research
takes bench science
to clinical trials
in humans,
and takes results
from clinical trials
to patient care.*

Continued on page 5.

Translational research Ph.D.

Continued from page 4.

research takes bench science to clinical trials in humans, and takes results from clinical trials to patient care. These experiences, in turn, provide information for conducting better basic research and clinical research. Graduates will be prepared for research careers in academia, industry, health agencies, regulatory agencies, the military and research institutes, among other settings.

Dr. Carlton Erickson, associate dean for research and graduate studies, serves as the site program coordinator for the new study. Erickson points to the addition of two College of Natural Sciences faculty members, Drs. Andy Ellington and Adron Harris, to the translational science graduate studies committee.

“Their addition to the committee elevates the program on the UT Austin campus beyond the borders of the College of Pharmacy,” he said. “We are delighted to see this expansion as an indication that graduates of this type of study are needed throughout all realms of scientific investigation.”

“The translational science Ph.D. is a pivotal addition to the training armamentarium of The University of Texas System,” said Dr. Kenneth I. Shine, executive vice chancellor for health affairs with the UT System. “The collaboration among the UT institutions’ faculty and administration members has been outstanding in establishing this unique graduate program.”

It is the first new Ph.D. program involving the Health Science Center in eight years, said Dr. Michael Lichtenstein, director of research education, training and career development for the Institute for Integration of Medicine and Science at the Health Science Center (CTSA).

“The goal of the CTSA is to transform academic health centers so that they will accelerate the pace and application of discovery, resulting in improved health for the public,” Dr. Lichtenstein said. “The translational science Ph.D. is a linchpin of our push to make lives better and represents a sizable investment of time, people and resources by the four UT institutions.”

“The health problems in today’s populations, such as diabetes and obesity, will require collaborative translational efforts from research disciplines at all levels of the scientific and translation continuum,” said Dr. Dorothy Flannagan, dean of the UTSA Graduate School. “This joint, collaborative degree program combines resources to break down barriers, promote team science, and educate scientists who will impact human health in and beyond Texas.”

“Consistent with the National Institutes of Health’s design of the CTSA program, both types of translational scientists are needed to ensure that worthy discoveries advance at a prodigious clip to the communities where people need them,” said Dr. Patricia Hurn, associate vice chancellor for health science research at the UT System.

“Translational science is multidirectional, because community needs such as childhood obesity help set research agendas for understanding root causes, not only at the basic biologic level but at environmental and policy levels, as well,” said Dr. Sharon Cooper, regional dean of the UT School of Public Health in San Antonio.

Editor’s Note: To learn more about the Translational Science Ph.D. Program, contact Dr. Carlton Erickson at (512) 471-5198 or via email to erickson.carl@mail.utexas.edu.

Translational Science Graduate Studies Committee

Carlton Erickson (site program coordinator)

David Burgess (COP, San Antonio)

Andy Ellington (UT, CNS)

Chris Frei (COP, San Antonio)

Rueben Gonzales (COP, Austin)

Adron Harris (UT, CNS)

Jim Koeller (COP, San Antonio)

Francis Lam (COP, San Antonio)

Karen Rascati (COP, Austin)

Nathan Wiederhold (COP, San Antonio)

Bill Williams (COP, Austin)

Jim Wilson (COP, Austin)

Key:

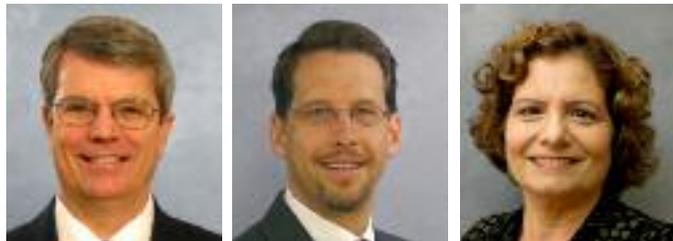
- COP - College of Pharmacy
- CNS - College of Natural Sciences

Division structure change

Health Outcomes and Pharmacy Practice marks union of two former divisions

The college has created a new division – the Health Outcomes and Pharmacy Practice Division.

The division represents the union of two former divisions – the Pharmacy Administration Division and the Pharmacy Practice Division. Dr. Ken Lawson serves as head of the new division while Dr. James Karboski was named assistant division head. Dr. Karen Rascati is graduate advisor for the division.



Ken Lawson

James Karboski

Karen Rascati

Dr. Marvin Shepherd, who served as head of the Pharmacy Administration Division, and Dr. Jim Wilson, who served as head of the Pharmacy Practice Division, will remain as full-time faculty within the new division. Dr. Shepherd will continue to serve as director of the Center for Pharmacoeconomic Studies and Dr. Wilson has recently been appointed as chair of the University of Texas Institutional Review Board.

At the Pharm.D. level, division faculty members are responsible for a variety of courses designed to prepare students to become effective and successful pharmacists and provide outstanding patient care. In addition, faculty members are involved in the pharmacotherapeutics sequence of courses and professional development convocation courses. Division faculty members also teach courses open to non-pharmacy students including Pharmacology for Nursing Students, Drugs in Our Society, and a variety of health-related topics open to entering freshmen known as signature courses.

Graduate-level courses taught by division faculty members help prepare graduate students to conduct research focused on improving the health of society. Topics covered include those related to research methods and data analysis, utilization and cost of medication and other health care services, patient behaviors and outcomes, pharmacoeconomics, pharmaceutical marketing and management, pharmacoepidemiology, and practice-based research.

Along with graduate coursework, division faculty members supervise research projects conducted by more than 30 post-graduates, including Master's and Ph.D. graduate students and health outcomes fellows. In addition, community and ambu-

latory care pharmacy practice residents are trained to deliver innovative clinical pharmacy services to patients and to become leaders in their respective fields.

“The Health Outcomes and Pharmacy Practice Division presents new opportunities for collaboration among faculty within and outside of the division in both teaching and research activities, particularly those that are practice-related,” Lawson said. “We are excited about expanding our teaching and research activities to better serve our Pharm.D. students, residents, and graduate students by building on the excellence already established in our program.”



Faculty members in the new division

College to oversee university pharmacy

The University Health Services Pharmacy became part of the College of Pharmacy portfolio in January 2012. The pharmacy will continue operations from the Student Service Building, and current staff will remain. Dr. Bill McIntyre, associate dean, will oversee pharmacy operations that will include an increased presence of student pharmacists working within the pharmacy as part of their training.

“I am excited over the prospect of expanding opportunities for student practice experiences within the pharmacy,” he said. “In the future, the pharmacy will become a real-life laboratory to demonstrate the benefit of expanded clinical services in the community pharmacy setting.”

No changes in services are planned, but the name of the pharmacy is anticipated to change in the near future. The pharmacy will serve as a model to explore novel community pharmacy services and expand student experiences including patient counseling, nonprescription drug selection, and medication therapy management.

Previously the pharmacy was housed in what is now the Delgado Library and was under the direction of the college.

UTech Dorm room welcomes first tenants

Start up company of Nobel Laureate chemist is first tenant in bioscience lab

A start-up company established by a Nobel laureate chemist is the first tenant in the UTech Dorm Room, a cooperative research laboratory at the College of Pharmacy.

Altermune, based in Irvine, Calif., became the first tenant to begin operations in the UTech Dorm Room wet laboratory in early fall. Since its opening in Fall 2011, the Dorm Room has welcomed two more tenants – Respira, a company that is working on technology for an inhalation device and inhaled drug products, and NextJet, an ink printer company that is investigating pharmaceutical applications of their technology.

Dr. Kary Banks Mullis, a 1993 recipient of the Nobel Prize in Chemistry, established Altermune, a company that seeks to use the body's own immune system to specifically target and attack infectious diseases and cancers through "programmable immunity." Using the body's natural antibody defense, Altermune drugs work to redirect antibodies to specific cellular biomarkers using modified nucleic acids called aptamers.

"We are delighted to welcome as our first tenant a research company with such impressive credentials from its founder," said Dean Lynn Crismon. "Altermune is on the forefront of the battle against infectious diseases. I am delighted that our professional degree students as well as our graduate scholars will have opportunity for interaction in these research efforts."

The UTech Dorm Room is a cooperative venture between the college, the Austin Technology Incubator (ATI) and the City of Austin. While most labs at the university are devoted to the research of a particular faculty member, the UTech Dorm Room is designed to provide bioscience entrepreneurs from outside the university community the opportunity to contractually reserve wet lab space as they test and develop their technologies and potential products.

"There are few start-up incubator facilities in a city where bioscience entrepreneurs are flourishing," said Bradley Hall, lead scientist for Altermune's product development. "Wet lab space is required for bioscience research and Altermune is excited to begin work in the UTech Dorm Room. As a former UT graduate student and research educator through the Freshman Research Initiative, I look forward to working with bright students and world-class professors."

"The UTech Dorm Room has provided NextJet, LLC the laboratory space to develop its next generation pharmaceutical inks," said Michael Crowley, lead scientist for NextJet, another tenant. "We believe our unique technology will help reduce counterfeiting and controlled substance diversion."

The NextJet technology allows a 2D or 3D barcode to be printed directly onto a tablet or capsule. These bar codes makes counterfeiting more difficult and in the case of 3D bar codes, allows for unique serial numbers for each dosage form. Unique serial numbers on each dosage are important for drug products like controlled substances. This unique technology will give authorities the ability to trace each dosage form from the manufacture date, distribution point, prescribing physician, dispensing pharmacy, and patient who picks it up.

The City of Austin, through its economic development department, committed \$35,000 to assist in purchasing equipment and in refurbishing the lab space. The funds will also support the salary of the lab management.

"I am proud of the innovative partnership between the City of Austin and the University of Texas," Austin Mayor Lee Leffingwell said. "Our partnership has helped establish an environment for individuals and companies engaged in the bio-science industry to test and develop their life sciences technologies."

Dr. Janet Walkow, director of the Drug Dynamics Institute that oversees UTech Dorm Room operations, said the facility fills a needed service in the city's emerging technology workforce. Wet labs, she said, provide water, ventilation and built-in safety features needed to test chemicals, drugs or other material or biological matter. This type of lab facility can be expensive to outfit and maintain.

"Austin is a city that embraces progressive thinkers," she said. "The addition of the UTech Dorm room helps fill a void in services needed by these folks who will open doors to treatments that benefit us all. We couldn't be more delighted to welcome Altermune as our first tenant."

Dr. Cindy WalkerPeach, ATI Biosciences director, said the agreement with the first tenant is a success story in Central Texas to support life sciences and biotechnology startups.

"The UTech Dorm Room is the beginning of our long-term plans to encourage interaction between healthcare-focused start-up companies and university faculty and to reduce facility barriers to commercialization," she said.

"Access to wet labs is critical for proof of concept testing in bioscience, yet space is rare and very expensive," WalkerPeach continued. "ATI, the City of Austin, UT's College of Pharmacy all worked tirelessly to create the UTech Dorm Room, and to make sure it extends beyond university students to serve industry needs overall."



World Health Organization

Internship experience shapes future career goals

Editor's note: Phuoc Anne Nguyen, P-3 student, spent Summer 2011, as a pharmacy intern with the World Health Organization in Switzerland. She writes about her summer experiences and her motivation to attend pharmacy school.

My interests in pharmacy and public health stem from my childhood experience with malaria when I was a young girl in Vietnam. Due to my illness, I personally experienced the healthcare disparities in my poor village as well as my poor country. I witnessed how the lack of health care accessibility and affordability had left many families suffering for losing their loved ones to the widespread communicable diseases in our village. These past experiences stirred my interest in public health and pharmacy because I can see how these two fields can intersect to improve patients' health.

Due to my interests, I have always wanted to do an internship at the World Health Organization (WHO), but initially I thought that was almost impossible. However, the impossible was indeed possible after I met Dr. Del Delford, an ex-WHO intern, at the APhA National Meeting in March 2010. He introduced me to Dr. Willem Scholten, a lead pharmacist in the WHO Access to Controlled Medications Programme (ACMP). After months of exchanging contacts, I received the WHO congratulation letter for an 8-week summer internship. After school ended in May, I immediately flew to Geneva, Switzerland and started my internship the day that I landed.

Besides the jetlag and not knowing how to speak French, my first day was decent because I had to do many administrative and security processes before I could enter the WHO building. The first day was the most tiring but most memorable because

I was still in awe that I was actually in Geneva and doing a WHO internship.

As a WHO intern within the ACMP in the Department of Essential Medicines and Pharmaceutical Policies, I worked with Dr. Willem Karel Scholten on several projects to improve legitimate medical access to all controlled medicines, to provide resources on use of controlled medicines, and to assist countries to analyze and implement policies/legislation. For example, I conducted searches on identifying pain patients at risk for dependence and on the availability of methadone treatment in countries around the world. I also assisted in the preparation of an expert review on a pediatric pain guideline. In addition, I learned to navigate through a large organizational bureaucracy by applying for publication clearance in order for our department to publish our work to the public. I learned about the challenges that public health officials need to overcome such as financial constraints and limited infra-

Continued on page 12.



Student News

NCPA honored at national meeting

The UT student chapter of the National Community Pharmacists Association garnered several honors at the recent NCPA national meeting in Nashville. A seven-member student team competed in the student business plan poster session and placed among the top ten plans. The plan was written by Chris Perling (P3), Amanda Rogers (P3), Chris Hernandez (P3), Rima Bouajram (P3), Tin Tran (P3), Yaser Gadit (P4), and Justin Simon (P4). Team members attending the meeting were awarded free convention registration. The longhorn chapter was awarded \$500 from the national organization when it was named second runner up for chapter of the year. The group was awarded \$200 for bringing the second largest delegation of 21 students.



Pharmacy textbook drive to benefit Zimbabwe

The college chapters of the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) and Rho Chi joined forces to help pharmacy students a half a world away when they launched a drive to collect pharmacy textbooks for students in the School of Pharmacy at the College of Health Sciences at the University of Zimbabwe. Textbooks that were no more than 10 years old were collected for subjects including pharmacoeconomics, pharmaceuticals, pharmacology, medicinal chemistry and other pharmacy disciplines. The African school is the undergraduate alma mater for two graduates of the UT College of Pharmacy – Paul Gavaza, M.S. '07 and Ph.D. '10, and Star Khoza, Ph.D. '11. Khoza returned to the university in Zimbabwe upon completing his Ph.D. in pharmacy administration at UT. He teaches both professional and graduate program and conducts research. The School of Pharmacy at the University of Zimbabwe was established in 1974. It is responsible for training pharmacists in Zimbabwe and other south African countries including Malawi, Zambia, Lesotho, and Swaziland.

Brand honored with APhA leadership award

Athena Brand, P-3 student, has been selected to receive one of four national leadership awards presented by the American Pharmacists Association. The awards recognize outstanding academic achievement and leadership abilities in APhA-ASP at the local, regional and national levels of students who are in their Athena Brand next to last year of pharmacy school. The awards are endowed by Procter & Gamble. She was nominated for the award by the UT ASP chapter.



Athena Brand

Kaoud awarded Hutchison Fellowship

Tamer Kaoud, a graduate student in medicinal chemistry working with Dr. Kevin Dalby, has been named recipient of the A.D. Hutchison Student Endowment Fellowship. Selection for the award was based on the candidate's accomplishments since entering graduate school. A native of Egypt, Kaoud has focused on drug discovery and currently is interested in mechanisms of regulation of protein kinases by post-translational phosphorylation and ubiquitination. By investigating these processes he hopes to identify novel approaches to treat diseases such as cancer and diabetes. He has presented 18 posters at professional conferences and meetings and is an author on 11 published articles in peer-reviewed journals.



Tamer Kaoud

Hughey honored by IPEC

Justin Hughey, pharmaceuticals graduate student of Dr. James McGinity, has been awarded a graduate student scholarship by the International Pharmaceutical Excipients Council of the Americas Foundation. He received the award at a meeting of the American Association of Pharmaceutical Scientists in Washington, D.C. The award recognizes Hughey's work on important and significant contributions of excipients to the development of safer, more efficient pharmaceuticals. He is currently investigating novel formulation and processing techniques to improve the bioavailability of poorly water-soluble drug substances.



Justin Hughey

Overcoming barriers

Student juggles demands of school and ten medical mission trips



By Kristine Ottosen, P-4 student

People often ask me how I found the opportunities to serve on 10 medical mission trips in four different countries in the past two years of pharmacy school. The honest answer is they found me.

It all began through a discussion about my pharmacy career path with a driver on my first non-medical mission trip to Mexico. He mentioned the need for help in the pharmacy of an upcoming Mexico medical mission trip, and a few weeks later I found myself beginning a journey I never would have imagined. Everything I experienced and witnessed was like nothing I had ever seen before.

From the small snapshot glimpsed through my photos, two of my classmates became inspired and joined me on my next trip. The leader of this trip saw value in student participation and approached me and another student to coordinate everything involved with increasing student participation. So much interest was generated towards the trips that we had to set a cap on the number of students we could take. A waiting list was established for upcoming trips.

A student that participated in another of the Mexico medical missions asked if I would be willing to incorporate the Mexico trips into the newly founded UT chapter of HOPE, an organization that hosts global medical mission trips. I was elated at the opportunity and soon found myself leading two international HOPE medical mission trips to Africa and Costa Rica.

While in Africa, a student on the trip asked me, "Why are you still going on these trips when you are already in pharmacy school? You do not need to boost your resume anymore."

For some, boosting a resume may be all it is about. For others, it may start out that way, but after seeing the magnitude of their impact they realize the potential they have to make a difference once they become licensed healthcare professionals.

For me it goes a step further. I see a need for sustainability. Today's leaders can direct medical missions for only so long. If this work is to continue, a new generation of leaders, many of them currently students, must step forward to become the future of these trips.

It makes my day to receive e-mails from strangers, friends and family asking how they can get involved in the trips. Being able to help them get involved and witnessing within them the spark of passion for serving is a beautiful sight.

Even more beautiful is the overwhelming gratitude of the families we serve. Never did I imagine that I would see patients smiling and waving during a tooth extraction or waiting in line for hours without a single complaint.

The tears of gratitude that streamed down the face of an elderly patient as I walked her back to her home said it all.

I did not need to understand the few words she spoke. I felt how fragile she was as I held her arm, and it was in that



Ottosen draws inspiration from patients she serves.

moment that I realized that we really are addressing the needs of hundreds of patients that would not otherwise receive medical care.

I was reminded again of the impact these trips make when I met an elderly Panamanian patient who had gone more than a year without treatment after being diagnosed with tuberculosis. The nearest clinic to his village was a difficult two-hour walk through winding mountainside roads. He had no other mode of transportation and could not afford the medical treatment. As a result of our home-visits, we were able to provide transportation to the clinic and funding to ensure that the patient received treatment.

I remember counseling my first patient in Mexico and thinking, “How am I ever going to be able to connect with my patients when I barely know any Spanish?” It was through a little girl proudly showing me a picture she colored that I realized it was as easy as reaching out and trying.

“Oo me gusta! Qual es tu nombre?” (Oo, I like! What is your name?), I asked with the little Spanish I knew. She responded, but after switching our names tags I said, “No, mira, tu nombre es Kristine!” (No, look! Your name is Kristine!)

It took her a second and before I knew what happened, she wrapped her arms around me with the biggest hug. She ran around the clinic the rest of the day with a grin from ear-to-ear tugging on everyone’s shirts saying, “Mira! Mira! Mi nombre es Kristine!”

In another completely non-verbal instance, I managed to persuade a group of young Honduran girls to take a goofy moose-antler picture by pointing to the shirt of one of the girls. The shirt said “Duck, Duck, Moose” with the corresponding animals; putting my hands behind my head was enough for them to understand. A string of goofy photos and giggles followed, still without a word exchanged. A tradition was born that day and I have been blessed to have the same memorable interaction with groups of kids from every country I have served.

In pharmacy, we discuss the various barriers that keep us from reaching patients with limited access to care, lack of finances and language barriers among the most difficult to surpass. Rather than simply discussing them, these trips allow us to actively break down those barriers in scenarios we often hear about, but never really get to see.



Kristine Ottosen, right, works with another volunteer in the pharmacy on one of her 10 medical mission trips.

What many do not realize is that we do not have to travel to the ends of the world to find areas with such a need as the villages in Senegal and Costa Rica. It exists right in our own town. Local organizations, such as The Volunteer Clinic, Scared Heart Community Clinic and Auxanomen, have realized this and need our help.

I have lost count of how many times I have heard of people who have wanted to participate in trips like this but had something holding them back. I faced my own financial barriers and time restraints, but I was able to fundraise and balance my time in order to overcome and participate. Let us overcome our barriers in order to give hope to those who cannot overcome theirs.



Kristine Ottosen and other student volunteers on a medical mission trip make the sign of a moose to bond with local children.

Pharmacy Month 2011

Student initiatives take pharmacy services to patients

The College of Pharmacy joined pharmacists from throughout the country in observing Pharmacy Month 2011.

“Know your medicine: know your pharmacist” was the national theme for the month. Mary Beth Karr and Brady Kelso, both P2 students, coordinated the college observation that included programs and events planned by many student organizations including a Project Collaborate at Jester Center.

Students from the Pan Am Cooperative Pharmacy Program celebrated the pharmacy profession and gave back to their neighbors with the American Pharmacists Month Community Health Fair. The students performed blood pressure checks, medical reviews and administered flu shots at Alamo Drugs. Cancer screenings and information on poison



Informational booths at Jester Center

WHO internship

Continued from page 8.

structures in developing countries that delay the implementation of various successful initiatives.

Besides carrying out official work responsibilities, I was very interested in getting involved and networking with WHO interns in other departments. My newfound friends encouraged me to run for an office on the WHO Intern Board but I was not entirely sure since I was only at the WHO for a week or so. However, I did it anyway because it would be a great learning experience regardless what happened. Fortunately, I was elected as the WHO intern public relations co-coordinator, coordinating communications among the WHO interns via Facebook and our intern website. I had the opportunities to meet many talented individuals and form a great network of friends. One of the many lessons that I learned from my WHO experience is not to let negative thoughts or fear, such as financial cost, language barrier, unfamiliar environment, or or any other unknown, hold you back from what you want to

prevention and nutritional facts were also provided in partnership with other groups.

“Part of the learning process is to teach students that our job is to care about the community. This was a good chance for the students to meet the community,” said Lydia Aguilera, clinical assistant professor.

Students also sponsored screenings and information exhibits on the UT Austin campus for pharmacy month. They joined nursing students in assisting with flu immunizations campaign across the campus including administering the vaccine to UT athletes, coaches and support staff.



Brady Kelso and Mary Beth Karr



do. Rather, let your passion guide your decisions in life. For me, being open minded to opportunities and following my calling allowed me to step out of my comfort zone and motivated me to do something that I have never done before. The experience itself is irreplaceable and forever will be a part of who I am.

Overall, this internship has broadened my understanding about pharmacy practice globally and public health. This experience definitely reinforces my interests to integrate these two fields to make me a better pharmacist to deliver optimal, quality care to my patients. Collaborating with like-minded professionals, I want to increase accessibility of healthcare to patients in underserved areas. I want to be part of a team that helps to minimize the health care disparity gap among underserved areas and improve patients' quality of life.

I want to thank the College of Pharmacy and The University of Texas Study Abroad Office as well as Drs. Davis, Rascati, Whitman, Brown, and many other faculties, friends, and family for their endless encouragement and financial support.

Project Collaborate

Student organizations offer health services to underserved patients

Long rows of tables stocked with health screening supplies stand ready as groups of pharmacy students clad in white coats make one last check. Project Collaborate is underway.

Within the next few hours, hundreds of UT students make their way to Jester Center to take advantage of free health screenings including blood glucose and cholesterol testing, blood pressure monitoring, and body mass index calculations. Pharmacy students conduct the screenings and counsel the patients regarding the results under the watchful eyes of preceptor faculty. Most patients find that their results fall within healthy norms while others are counseled concerning diet and lifestyle changes that may help bring their readings closer to healthy ranges. A few are advised to see their private health care provider for more extensive testing.

Pharmacy Council, the student government group that includes representatives from all pharmacy student organizations, established Project Collaborate as a vehicle for the student groups to combine resources in their outreach to patients

“One of the main incentives for participation in Project Collaborate as a student pharmacist is the opportunity for patient interaction and the utilization of basic clinical knowledge,” explained Jobby John, president of Pharmacy Council. “Students get to hone their clinical skills and knowledge while providing free services that help the community. It’s a win-win situation for everyone involved.”

During the 2010-2011 academic year, the program’s first year, student organizations collectively provided 15 health screenings that served almost 1,500 patients. Within the first three months of Fall 2011, the program provided patient screenings for approximately 700 patients. Cost for the program is supported by a special dean’s allocation account, grants from the pharmacy industry and other funding organizations. The program was awarded \$500 as part of the 2011 Texas Parents’ Community Service Awards. Other grant funding has come from Target, CVS and Albertsons.

The mission of Project Collaborate is to provide health maintenance evaluations to underserved communities. Student pharmacists provide the health screenings free of charge in a variety of environments. Patients often represent populations with limited financial resources, lack of insurance or language barriers that prevent them from utilizing similar services.

“Sometimes, Project Collaborate is the only contact these patients have with a healthcare provider for the entire year,” John explained. Student pharmacists are educated and trained to make sure their patients understand the information they



Pharmacy students counsel patients and conduct health screenings at Project Collaborate events on campus and throughout the community. In the first three months of the fall semester, students screened more than 700 patients.



are sharing. Many are fluent in languages other than English enabling them to effectively communicate with non-English speaking patients.

This year the collaboration efforts have expanded beyond the pharmacy student organizations to include ventures with students in both nursing and social work.

“One of our goals this year was to overcome barriers that have prevented students from collaborating in the past and to give student health professionals throughout the Forty Acres an opportunity to work together and to understand one another’s unique roles,” John said. “For the first time in Texas, students from pharmacy, nursing, and social work have come together and shared their different perspectives as to how to develop solutions to problems that are rarely resolved by the efforts of just one health profession.”

John said he was particularly proud of the communication that has been established between pharmacy and social work. At the sessions, John said social work students help patients locate free health clinics, procure insurance discount cards, and provide information regarding government aid.

“We are happy to be able to provide a service that helps our community and thankful for the support that we receive from our faculty, the college and the university to fulfill our mission,” John said.

Research Highlights

Dalby, Person receive \$1million grants from Cancer Prevention and Research Institute

The Cancer Prevention and Research Institute of Texas (CPRIT) has awarded two grants of approximately \$1 million each to two college researchers. Dr. Kevin Dalby, associate professor of medicinal chemistry, received a \$1 million grant to support his work to examine new cell signaling pathways potentially associated with breast cancer. Dr. Maria Person, research scientist in toxicology/pharmacology, received \$1.3 million to support purchase of a mass spectrometer that helps researchers develop personalized treatment plans for cancer patients.



Kevin Dalby



Maria Person

the mechanism of action of these newly identified compounds, devise a delivery system for potential therapy and determine whether that therapy works better alone or with chemotherapy.

In Person's lab, cutting edge tools and technologies are essential for progress in cancer research, and the state-of-the-art LTQ

Orbitrap Elite mass spectrometer, purchased with the CPRIT funds, has the sensitivity to observe molecular details from the earliest stages of DNA damage, through cell proliferation, invasion and metastasis, and to provide detailed characterization of interactions of drugs with DNA and proteins. It has high throughput for analyzing large numbers of patient samples to enable personalized treatment plans and for simulating heterogeneity in animal models by using multiple strains and carcinogens. 16 projects from the University of Texas at Austin and M.D. Anderson Cancer Center are supported for innovative, multidisciplinary approaches to cancer research through this shared instrumentation award.

Dalby and Dr. Bulent Ozpolat, assistant professor at the UT MD Anderson Cancer Center in Houston, discovered that some molecules with similarities to an established class of drugs have potential to treat breast cancer.

Dalby and Ozoplat are examining new cell signaling pathways potentially associated with breast cancer. Their goal is to understand these pathways and to determine the clinical potential of blocking them. Dalby and Ozoplat will investigate

Recent grant awards

INVESTIGATOR	AMOUNT	SOURCE	GRANT TITLE
Albino Bacolla	\$67,433	Science Application International Corp.	In silico research contract
Jamie Barner	\$279,000	Texas Health/Human Services Comm.	Clinical and economic outcomes of Texas Medication Management (MTM) Pilot
Shawn Bratton	\$296,817	NIH-DHHS	Caspase-activating complexes
Walter Fast	\$10,000	Welch Foundation	Chemical probes of biological catalysts
Hung-Wen Liu	\$10,000	Welch Foundation	Mechanistic studies of novel enzymes
Edward Mills	\$48,316	NIH-DHHS	Molecular mechanisms of thermogenesis
Maria Persons	\$171,168	UT MD Anderson Cancer Center	Mechanisms/prevention of environmental disease
Karen Rascati	\$200,000	Abbott Labs	Burden of care for schizophrenia in Texas
Karen Rascati	\$46,550	Scott & White Health Plan	Assessment of the incidence of flares for gouty arthritis patients within the Scott & White Healthcare System
Marvin Shepherd	\$26,496	Tx. Health/Human Services Comm.	Proposal to determine methods to improve pharmacist educational programming and collection information as to why pharmacies are not providing 72-hour emergency prescriptions
Karen Vasquez	\$178,772	NIH-DHHS	Repair of genome destabilizing DNA structure

NIAAA supports Morrisett with new funding

Dr. Richard Morrisett, professor of pharmacology/toxicology, has been awarded more than \$500,000 in annual funding in two five-year grants from the National Institutes of Health to support his work regarding the relationship between brain function and alcohol addiction. Dr. Rueben Gonzales, professor of pharmacology/toxicology is a co-investigator on both projects.



Richard Morrisett

Morrisett has two projects examining a region of the brain known to be critical in drug addiction and reward – the pleasure pathway or the meso-corticolimbic pathway. Both grants, one for \$240,000; and a second for \$300,000, are awarded by NIH's National Institute on Alcohol Abuse and Alcoholism.

Previously researchers had linked changes in the ability of a major cell type in this circuit to process information about the conscious pleasurable aspects of chronic cocaine or heroin treatment. Animals treated repeatedly with these drugs change their responses to the drugs parallel to changes in function of these particular neurons in this region. The observations suggest that this function change may encode some aspect of drug addiction.

A Canadian researcher discovered a peptide that blocks the addicted animal's behavioral responses to cocaine by blocking these changes in neuronal function. Morrisett discovered that the same changes in brain function occur in alcoholism.

His lab investigates how these changes in neuronal function develop as drinking increases. There are two main sub-regions in this pathway that appear to encode the initial and then the more habitual aspects of drug taking behaviors. Morrisett is testing whether the changes in drinking, as they become more habitual, are reflected by these functional changes.

The second project is part of a large NIAAA multi-site consortium called the "Integrative Initiative on Alcoholism" or INIA-West. Morrisett's funding was renewed for the third 5-year period of the consortium that focuses on developing novel treatments for alcoholism and alcohol craving. Morrisett hopes to use the observed neuronal changes as a screen for sensitivity to a variety of target genes previously seen as responsive to alcohol exposure. If the new targets adapt to these changes in neuronal function, it would indicate that researchers should focus drug development on those that alter brain function implicated in drug addiction.

Liu's work published in *Nature*

Bacteria make an impressive array of compounds to ensure their survival. Dr. Hung-wen (Ben) Liu, professor of medicinal chemistry, digs away at how bacteria make these compounds, in part to exploit the many beneficial properties. His efforts resulted in the discovery of an enzyme that speeds up a Diels-Alder reaction, as described in a paper recently published in one of the most prestigious journals in science, *Nature* (vol. 473, pp. 109-112).



Hung-wen Liu

The Diels-Alder reaction, discovered in 1928, is an extremely valuable synthetic tool because it is one of the best ways to combine two small molecules into 6-membered rings. These rings are frequently key components of natural and synthetic products. Scientists have long wondered if there was an enzyme that catalyzed the reaction because most every reaction known in the laboratory has been mastered and sped up by an enzyme catalyst.

Apparently, Mother Nature discovered the versatility of the Diels-Alder reaction long before the two German chemists. Liu and his research team discovered the enzyme, known in general as a Diels-Alderase, in a bacterial pathway responsible for the production of spinosyn A, a component of the natural

insecticide, Spinosad. It is used to kill garden pests, head lice, and fleas. Diels-Alderases have been described previously but the Diels-Alder part cannot not be teased out as a separate enzyme-catalyzed reaction – it is always part of a series of reactions catalyzed by the same enzyme. As such, the details of catalysis could not be studied. With Liu's discovery, these details can now be sorted out, and efforts are underway to figure out how Mother Nature does the reaction.

Scott Medal honors Liu

Dr. Hung-wen (Ben) Liu has received the A.I. Scott Medal from Texas A&M University. The award recognizes excellence in biological chemistry research and was presented at an October gathering in College Station.

Liu's research focuses on clarifying the chemical mechanisms of enzymes that influence unusual and physiologically important steps in the biosynthetic pathways of natural products.

The Texas A&M section of the American Chemical Society and the A&M Chemistry Department established the Scott Award in 2008 to honor A. Ian Scott, an internationally acclaimed and pioneering chemist recognized nationally for his work in biosynthetic investigations.

Faculty news

Crismon named to AACP leadership role

Dean M. Lynn Crismon has been named chair-elect of the Council of Deans for the American Association of Colleges of Pharmacy (AACP). The 2011 election results were announced by AACP in mid-December.



Lynn Crismon

The Council is comprised of individual active, affiliate, and emeritus members who are deans or administrative heads of pharmacy programs. The council addresses issues including educational policies, internal administration of college/schools, and relationships to other elements of the community of higher education and society at large.

Crismon is the James T. Doluisio Regents Chair and Behrens Centennial Professor. He holds faculty appointments in the Divisions of Health Outcomes & Pharmacy Practice, Pharmacy Administration, Pharmacotherapy, and the Center for Pharmacoeconomic Studies. He coordinates the clinical psychopharmacology course for the Psychiatry Residency Program and the Child and Adolescent Psychiatry Fellowship, UT Southwestern Medical Center Austin, Seton Family of Hospitals. He has co-led the development of the UT Dell Pediatric Research Institute that opened in 2010.

Communications College honors Leslie

Dr. Steven Leslie, executive vice president and provost of The University of Texas at Austin and former dean of the College of Pharmacy, is one of five individuals awarded the Robert C. Jeffrey Benefactor Award. The awards were announced in November.



Steven Leslie

Leslie was recognized for his support of College of Communication initiatives, including the Belo Center for New Media, the Texas Program in Sports and Media, and the UT Los Angeles program. He was also saluted for his overall guidance and encouragement to the college.

Frei honored by men's basketball

Dr. Chris Frei, assistant professor of pharmacotherapy, who was as an academic accolade during halftime of a Longhorn men's basketball game.



Chris Frei

Faculty promotions

President Bill Powers approved five faculty promotions for the College of Pharmacy in Fall 2011.

Maria Croyle to professor of pharmaceuticals

Kevin Dalby to professor of medicinal chemistry

Christopher Frei to associate professor of pharmacotherapy

James Karboski to clinical professor of health outcomes and pharmacy practice

Veronica Young to clinical associate professor of pharmacotherapy

In addition, seven other faculty promotions were announced last summer including:

Jamie Barner to professor of health outcomes and pharmacy practice

Leroy Knodel to clinical professor of pharmacotherapy

Ken Lawson to professor of health outcomes and pharmacy practice

James Lewis to adjunct associate professor of pharmacotherapy

Jose Rivera to clinical professor in the UT El Paso Cooperative Program

LauraJo Ryan to clinical associate professor of pharmacotherapy

Hugh Smyth to associate professor of pharmaceuticals with tenure.

Brown to serve on UT athletics council

Dr. Carolyn Brown, professor of health outcomes and pharmacy practice, has been appointed to the Intercollegiate Athletics Council for Women. UT President William Powers selected Brown from five faculty nominees submitted by the Faculty Council Executive Committee. Her appointment runs through August, 2013.



Carolyn Brown

Canales embraces new son

Congratulations to Dr. Patricia Canales, associate professor of pharmacy at the UT Pan American campus, on her new addition, Cole Ryan Gonzales. He was born on September 30, 2011.



Cole Ryan Gonzales

Three saluted at all-college winter social

Young, Sandoval named to annual teaching awards; Combs honored at retirement



Veronica Young



Michael Sandoval



Alan Combs

Three members of the college community were saluted for their teaching efforts at the November all-college winter social.

Dr. Veronica Young, clinical assistant professor of pharmacotherapy, was named recipient of the 2011 Texas Exes Teaching Award for the college.

Dr. Young also serves as associate director of the Drug Information Service at the University of Texas Health Science Center at San Antonio. Her teaching interests include drug information, formulary management, women's health, and community-based initiatives to promote patient safety.

Michael Sandoval was presented the college's Texas Exes Teaching Award for Distinguished Teaching Assistant.

The awards were presented at the annual all-college Winter Social held in November. Other faculty nominated for the TETA award included Renee Acosta, Dr. Jaime Barner, Dr. Nile Barnes, Dr. Patrick Davis, Dr. Andrea Gore, Dr. James Karboski, Dr. Ted Mills, Dr. Laurajo Ryan, Dr. Christian Whitman and Dr. Bill Williams. Dawn Kim was also nominated for the teaching assistant award.

After more than 40 years of dedicated service as a faculty member, Dr. Alan Combs announced his retirement effective in January 2012. Combs joined the college as an assistant professor in September 1970. He effectiveness in teaching resulted in him being named recipient of the TETA award in 1984-85 and 1998-99. He served as the Phi Delta Chi faculty advisor for many years. Student organizers of the winter social event presented Combs with a framed certificate thanking him for his "42 years of dedicated service, devotion and unyielding support" to students.

Shepherd receives national book award

A publication edited by Dr. Marvin Shepherd, professor of health outcomes and pharmacy practice, received the American Medical Writers Association's 2011 Medical Book Award in the Health Care Professionals Category. The award, established more than 30 years ago to recognize the best in medical writing, was presented in October 2011 in Jacksonville, Fla.



Marv Shepherd

Shepherd was one of three national pharmacy and management leaders to serve as editor of the book, "Pharmacy Management, Leadership, Marketing and Finance." Co-editors with Shepherd are Dr. Maria Chisholm-Burns, department head and professor at the University of Arizona's College of Pharmacy, and Dr. Allison Vaillancourt, vice president of human resources at the University of Arizona.

The book features chapters from 50 authors on topics including leadership essentials, innovation and entrepreneurship, ethical decision making, purchasing and managing inventory, third party payment for drugs in retail settings, pharmacy business and staff planning, understanding and applying marketing strategies, creating and identifying desirable workplaces, and negotiating techniques.

Shepherd said the overall aim of the book is to help groom the next generation of pharmacy leaders, noting that it has been included in the curriculum of approximately 30 schools of pharmacy. Practicing pharmacists have also embraced the publication, particularly for its chapters on negotiating, communication effectively and career planning.

Work in Fast lab showcased in chemical journal

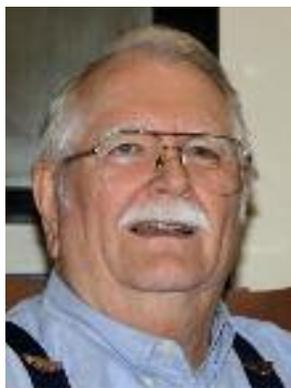
Recent work on enzyme inhibition by Dr. Corey Johnson, a research fellow in the lab of Dr. Walter Fast, associate professor of medicinal chemistry, was highlighted in an online feature of the American Chemical Society, *JACS Select*. The publication showcases recent significant publications in the *Journal of the American Chemical Society*, the society's flagship journal, and contains articles handpicked by a guest editor for their "high scientific quality and broad appeal." Johnson's work was featured in an issue devoted to "Chemical Mechanisms in Biochemical Reactions." In the article, Johnson describes efforts to reveal the mechanism of a new type of inhibitor called 4-halopyridines that had not previously been known as enzyme inactivators. Although Johnson's work focuses on developing novel therapeutics for treating cancer and septic shock, the new type of inhibitor holds promise for application to a wide range of drug discovery projects.

The pfun of farmacology

Alan Combs looks back on a 40+ year career in pharmacy academia

Fourty years is a long time. On Jan. 15, 2012, Alan Combs, professor of pharmacology and toxicology, began the next chapter of his life after more than 40 years as a teacher of cardiovascular pharmacology and toxicology.

“During my undergraduate pharmacy schooling, I discovered I was able to assimilate and understand complex aspects of physiology and pharmacology, and I was able to pass the information along,” he said. “My dad wanted me to be a pharmacist, but I wanted to teach and apparently had the ability.”



Alan Combs

“The phun of farmacology is addicting and has held me here for these 40+ years. That, and being able to eat,” quipped the scholar who enjoys word play and has been a consistant participant in the O. Henry Pun-Off World Championships sponsored by the City of Austin.

Despite his early attachment to teaching, Combs admits that the profession has held challenges.

“Several folks have characterized the expectations of a professor as a three-legged stool with each leg representing an area of professional activity including teaching, service, and scholarship,” he said. “In a tier one college of pharmacy, faculty have to do well in all three, but for basic science faculty, the largest leg of the stool, by far, is scholarship.”

There have been many high points in his career, but Combs points to honors bestowed upon him by students as two of his top memories. “Receiving the Texas Excellence Teaching Awards (1984-85, 1998-99) were affirming experiences. Early in my teaching career it was easy to be considered among the better instructors, being among the best is currently much more difficult. The students, the college, and the profession are very fortunate that we have so many dedicated, excellent, and professional instructors.”

Looking back, Combs says three evolutions stand out in his memory.

“When I graduated from pharmacy school in 1962, it was distinctly not ethical to talk to patients about their medications. It was believed that only physicians had the expertise and legal permission to do this, and pharmacists were not equipped to know or discuss the diagnosis and treatment. We are moving toward an information-providing profession, rather than a

product-dispensing one. I see a lack of time as the greatest threat to our doing this most important function. The practice of pharmacy is extraordinarily busy, and that which should be our main function often gets shoved aside. Someone called this the unfortunate tyranny of the urgent,” he said.

“The second change started in the late 1970s when the face of pharmacy began a long overdue gender change,” he continued. For the last couple of decades I have somewhat facetiously referred to males in the college as a precious, endangered resource. I feel that the gender change has been neutral or positive with respect to the quality of practice, and to the state of the art.”

Combs said the gender change is also seen in academia, adding that he predicts the numbers of women in practice and in academia will reach a steady-state of around 60-65 percent.

“Finally, and much more personally, Bill Riffie, a handful of students, and I started weekly devotional meetings some time back,” he said. “There were feelings at that time that this was not an appropriate activity for professors, so we went through our Pharmacy-in-the-Catacombs phase. During the 1980s, a national Christian pharmacy group organized and the UT Christian Pharmacists Fellowship International was born. Rich Wilcox and I have been honored to be chapter advisors.”

Through years filled with change, Combs cites the constant that “our finest practitioners have always excelled in empathy for the patient, a driving ambition to improve their lot, and work to guide the practice of pharmacy into patient care.”

Combs looked to the profession’s future opportunities in gene therapy.

“This expertise is already at the bedside for certain conditions, and more will certainly come to the table. The greatest challenge will be to generate the time and fees to do these pharmaceutical cognitive and advisory functions. The greatest factor preventing this will be our current political all-or-nothing behavior and its resulting gridlock.”

He leaves others to work out some of the broad strokes of pharmacy’s future.

For himself, Combs plans to “maintain profitable use of leisure time” with some devoted to “Tarzan’s Tripes Forever,” a website dedicated to the “fine, pure, and delicate art of puns and shaggy dog stories” that he maintains with his son. Combs will do some toxicological consultation with a former student and he and his wife have plans to travel within the country.

University honors Doluisio

Former pharmacy head named to dean emeritus status

Dr. James T. Doluisio, dean of the UT College of Pharmacy for a quarter of a century (1973-1998), has been named dean emeritus.

Dr. Steven Leslie, executive vice president and provost, approved the designation, noting that the title has been recently established to honor former deans of the university who have provided distinguished service.

The college celebrated the award and paid tribute to Doluisio on September 9 in events that featured a noon address by Doluisio to all students, faculty and staff within the college. He was also recognized at the college's annual Alumni Association Awards Banquet that evening.

Dean Lynn Crismon was the primary nominator of Doluisio for the honor. "Jim Doluisio, perhaps more than any other single individual, propelled our college into one of the leading programs of pharmacy education in the country," he said. "I can think of no better way to honor his commitment than this designation as dean emeritus."

"I have received many great national and international honors including American pharmacy's highest honor, the Remington Medal, but this is the one that means the most to me," said Doluisio.

Doluisio came to Austin at a time when the pharmacy college was in a state of turmoil, having experienced recent turnover in faculty and administration. The college was also facing pressure from UT System leaders who were considering transferring the program away from the Austin to another campus.

Under his leadership, the college gained prestige and was named among the top three outstanding programs of pharmacy education in the country. Earlier in his career, Doluisio was



James Doluisio

a leader in his research areas of pharmacokinetics and biopharmaceutics and was one of pharmacy's outstanding national leaders, serving as president of both the American Pharmacists Association and the American Association of Pharmaceutical Scientists and as chair of the Council of Deans for the American Association of Colleges of Pharmacy. He has been awarded honorary doctorate degrees from the Philadelphia College of Pharmacy and Science, Purdue University and Wilkes University. Doluisio also holds the title of Hoechst-Roussel Centennial Professor of Pharmaceutics Emeritus.

Doluisio is the eighth person in the history of the university to be awarded the title.

Society for Teaching Excellence taps McConville

Dr. Jason McConville, assistant professor of pharmaceutics, is one of 30 faculty at the university recently accepted into the Society for Teaching Excellence.



Jason McConville

McConville joined faculty members from throughout the Austin campus in making up the first class of the society that was jointly launched this fall by the School of Undergraduate Studies and the Academy of Distinguished Teachers. The purpose of the society is to sustain a fellowship of newer faculty dedicated to excellence in teaching and to provide them regular opportunities for discussion and interaction with members of the Academy of Distinguished Teachers.

Each academy member and each chair of a department is invited to annually nominate one assistant professor who has demonstrated an early commitment to teaching.



Former dean James Doluisio was honored with an all-college breakfast in September after he was named dean emeritus by the university. Pictured with him are staff and faculty members who served under his administration.

McGinity's invention showcased for Regents

Work returns effective pain medication to market

An invention patented by Dr. James McGinity, professor of pharmaceuticals, along with his former graduate student, Feng Zhang, was showcased before a 2011 meeting of the Technology Transfer and Research Committee of the UT System Board of Regents.

McGinity's presentation was part of an initiative to display significant inventions. He developed a polymer-based formulation that makes oxycontin, a pain medication, more difficult to abuse.

The drug substance in oxycontin is a powerful narcotic agent and problems arose when people crushed oxycontin and other solid dosage forms containing oxycodone into a powder that could then be further manipulated by the abuser.

Despite its proven effectiveness, the drug was taken off the market by the U.S. Food and Drug Administration due to the high incidence of abuse.

"Drug addicts would break into pharmacies just to get this medication," Dr. Richard Miller told members of the committee in introducing McGinity's work.

The reformulated oxycontin products have the drug embedded

into a polymer making it more difficult to tamper with the product.

"Taken in the polymer formulation, the drug can only be released slowly as it goes through the stomach and intestinal tract. The technology was originally unveiled in a 2000 dissertation by Feng Zhang, a Ph.D. student who worked with McGinity to develop the technology. Zhang received the Outstanding Dissertation Award in the Division of Engineering and Materials Sciences from UT that year. He and McGinity are listed as co-inventors of the patent. Zhang is employed by Gilead Sciences in Foster City, California.

The reformulated oxycontin products, sold through licensee Purdue Pharma, a privately held company based in Stamford, Conn., is the only approved abused deterrent version of oxycodone on the market, according to Miller. The university receives a percentage of revenues on the sale of the drug.

McGinity's work is one of dozens of faculty-invented technologies that the UT System has licensed in the past decade. Licensing revenue grew from less than \$2 million in 1999-2000 to almost \$26 million in 2010-2011.

Baumgart to lead continuing education division

Dr. Glen Baumgart has joined the college as director of the Division of Continuing Education. He replaces Kristin Wilson who left the position in May 2011.

"Glen Baumgart brings a record of being able to build and lead a program," said Dr. Bill McIntyre, associate dean for clinical programs who also oversees the Continuing Education Division of the college.

"I am most impressed by his effort during the hiring process to learn about pharmacy continuing education. I am confident that he will bring innovative approaches and bring new audiences to the offerings of continue education programs."

"It is truly exciting to be apart of a college I have long admired," Baumgart said. "The Continuing Education Pharmacy Advisory Taskforce, chaired by Dr. Veronica Young, has laid out an aggressive and industry leading CE vision, and I am excited to help make that vision are reality."



Glen Baumgart

Dr. Baumgart comes to the college after most recently serving the university in positions within the Division of Diversity and Community Engagement. Within that division's development office, he served as a development officer with responsibilities for evaluating and advising regarding program strategic plans, budgets and expenses to establish external communications and development plans. Earlier he served as the division's executive director of the Volunteer and Service Learning Center where he helped build the program into a nationally-recognized community engagement and academic service learning center consisting of campus services for student volunteer programs, academic service learning, and general community engagement services.

He holds a Ph.D. in educational psychology from UT Austin and has valuable experience in content and assessment development as well as an understanding of how to create educational experiences for different audiences in varying environments. He has created learning experiences ranging from classroom and conference settings to online modules to co-curricular experiences.

Bill Dismukes

College mourns loss of longtime supporter

William I. (Bill) Dismukes, an alumnus and lifelong supporter of the college, died Nov. 12, 2011.

Born Sept. 3, 1926 in Alabama, Dismukes moved to Texas with his family when he was a child. The family settled in Luling where Bill grew up working in his father's pharmacy. He joined the Navy after graduating from high school, serving three years during World War II aboard destroyers in both the Atlantic and Pacific Oceans.



Bill Dismukes

After completing his Naval career, Dismukes returned home and completed pre-pharmacy classes at what is now Texas State University. There he met his future wife, Mildred, to whom he was married for 54 years before her death. He earned his B.S. in pharmacy from UT Austin in 1956, and soon after he and Mildred established Dismukes Pharmacy in Austin. The pharmacy remained under the direction of the Dismukes family until it was sold in 1999 to Eckerds. Bill Dismukes is survived by his son, David, three grandchildren, and four great grandchildren.

"Bill Dismukes was a true longhorn and great supporter of the College of Pharmacy," said Dean Lynn Crismon. "He was both the inspiration and the leader in creating and developing our college's endowed scholarship program. For that alone, countless students, past, present and future, owe him a true debt of thanks."

During the mid-1980s, Dismukes approached James T. Doluisio, then dean of the college, concerning the need for a permanent endowment to finance student scholarships. In the first year of his effort, Dismukes secured more than \$50,000 in contributions and \$70,000 in pledges.

During the 1988-89 academic year, 24 students received the first scholarships from the endowment averaging more than \$400 each. The program continued to grow and during the 2010-2011 academic year, almost 200 Pharm.D. students received scholarship assistance ranging from \$1,000 to \$2,500, totaling more than \$360,000. He and his family established the William I. Dismukes Faculty Fellowship in Pharmacy in 1984, and the Bill, Mildred, and Chris Dismukes Endowed Presidential Scholarship in Pharmacy in 1997.

"Bill Dismukes' enthusiasm and commitment to our college had no limit and he was known and admired by all friends of the college," said Doluisio. "His leadership in raising endowment funds for student scholarships has already aided more than 1,000 pharmacy students and will aid thousands more in the future. His efforts were directly a product of his love of this college and our profession. He made our college a better place."

Dismukes was awarded many honors from the college including being named recipient of the William J. Sheffield Outstanding Alumnus Award (1982), the Legend of Pharmacy Award (1992), and the Alan W. Hamm Lifetime Achievement Award (2006).

Gathering honors 92nd birthday, 70+ years of pharmacy practice

Alfredo Moreno, Jr., B.S. '40, was given a surprise party by his family and friends in September in recognition of his 92nd birthday. Moreno is still an active pharmacist employed by an HEB pharmacy in San Antonio. He only 21 years old when he began practicing pharmacy. more than 70 years ago.

During the evening's celebration, Moreno was presented a one-of-a-kind mortar and pestle award for lifetime achievements in pharmacy from the college. The award was fashioned by fellow UT pharmacy graduate George Svihla, B.S. '69.

Moreno received a proclamation from the Texas Senate and State Senator Leticia Van de Putte, a document of recognition from Texas Gov. Rick Perry, and a letter of congratulations from San Antonio Mayor Julian Castro. He also received a letter from President Barack Obama and First Lady Michelle Obama, congratulating him on a job well done.



Alfred Moreno, B.s. '40, celebrated his 92 birthday and more than 70 years as a pharmacist at a September gathering in San Antonio.

The alumni president's message

By Katy Toale

Greetings, fellow University of Texas College of Pharmacy alumni! I hope you all had a wonderful holiday season and enjoyed the fact that our football team was able to come out victorious over A&M one last time (for awhile, at least).



I want to start by saying how honored I am to be the newest Pharmacy Alumni Association president. I follow of a long line of distinguished and honored past-presidents. During my years at the pharmacy college, I was probably best known as that girl who dressed up like Napoleon Dynamite during Pharmacy Phollies. While I am very proud of this shining moment in my career, I was also able to accomplish much more with the support of the Alumni Association.

I never realized how much hard work and dedication the Alumni Association puts in, and it is all to benefit the profession of pharmacy and our future pharmacists. I thought tuition prices were high during my years in pharmacy school, but, even in the short time since I have graduated, the costs have continued to rise. The Alumni Association is able to sponsor numerous scholarships for pharmacy students to help them through this tough financial time. Now that you are out there changing lives you can help carry on the tradition that has helped so many pharmacy students before you.

Now is the time ... don't put it off any longer. A lifetime membership is more affordable than you think. There is even a discount for recent graduates.

I have done more with my pharmacy degree from The University of Texas College of Pharmacy than I ever thought was possible. I will forever be grateful to all of those people who helped me through those years, even if I didn't know

them until now. I have heard the saying "it's not what you know, but who you know" over and over again, and I can attest from personal experience that this is true. Open your door to a new network of pharmacists that could change your life one day down the road and help open the door for the future pharmacists who still can barely see the light at the end of the tunnel.

2010-2011 College of Pharmacy Alumni Association officers

President Katy Toale Houston, Texas	Houston Reg. Rep. James Cox
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Fort Worth Reg. Rep. Carol Reagan	

JOIN THE PHARMACY ALUMNI ASSOCIATION

Maybe you have intended to join the Pharmacy Alumni Association for some time. Maybe you're just beginning to think about it.

Either way, joining has never been easier, and your support has never been needed more.

Go to our Online Store at:
<http://www.utexas.edu/pharmacy/dean/alumni/membership.html>

Click on the Membership Form link at the bottom of the page and renew your ties to YOUR College of Pharmacy.

Alumni News

Mark Noble, B.S. '57, died Nov. 20, 2011. He served as the longtime director of pharmacy at Brackenridge Hospital in Austin and was an adjunct clinical instructor within the college. He was instrumental in establishing Austin's first free out-patient medical clinic. He served as president of the Texas Society of Health-System Pharmacists and received a citation of achievement from the Texas State Board of Pharmacy in 2010 to commemorate his 50 years as a licensed pharmacist.

Justin Bartos, Jr., B.S. '57, died Nov. 17, 2011. At the time of his death, he was a resident of LaGrange.

Durwood Swanger, B.S. '61, died Jan. 1, 2012 in Texarkana, Tx. In addition to a successful pharmacy career, Swanger served three terms as mayor of Texarkana.

Daniel Acosta, Jr., B.S. '68, retired at the end of December as dean of the University of Cincinnati's James L. Winkle College of Pharmacy. He will take a one year sabbatical focusing on toxicology and pharmacology projects. Currently serving as president of the International Union of Toxicology, he will also visit and work with toxicologists in underdeveloped countries. As dean of the Cincinnati program, he oversaw implementation of the entry-level Pharm.D. program resulting in admission of its first class into the four-year curriculum in Fall 2000. Under his leadership, extramural grant funding within the college increased from \$350,000 to \$3.5 million and several new degree programs were implemented.

James Thomas Boone, B.S. '70, died February 15, 2011. He did a residency at Harris Hospital in Fort Worth before settling in Lytle, Tx at Pyron's Pharmacist.

Pamela Hopkins Lock, B.S. '78, died May 24, 2011. She was a resident of Seguin and had been employed for many years at Guadalupe Regional Medical Center.

Dr. Duane Boyle, Pharm.D. '85, died on November 5, 2011. After completing a post-doctoral research fellowship in clinical pharmacokinetics at UT under Dr. Tom Ludden, he was hired by Smith Kline and French Laboratories. At the time of his death, Duane was a Director and Site Head in Clinical Pharmacology Modeling and Simulation, based in Upper Merion, PA.

Dr. Barry Goldspiel, Pharm.D. '86, a noted oncology pharmacy practitioner, has received the Donald E. Francke Medal from the American Society of Health-System Pharmacists. The award recipient serves as deputy chief of the National Institutes of Health Clinical Center Pharmacy Department in Bethesda, Maryland. ASHP established the Francke Medal to honor people who have made significant contributions to

All in the family

Chandler Drug Company has been a fixture in Chandler, Texas for generations.

Don Copeland, B.S.

'58, purchased the business from his father in 1963, and

although many chains approached him about purchasing the business over the years, Don always declined saying he had someone else in mind to buy it. On Jan. 1, 2012, he sold it to his daughter, **Jill Copeland McGill, B.S. 84**.



international pharmacy practice. Goldspiel played a key role in the growth of the International Society of Oncology Pharmacy Practitioners, and has served as founding editor of the society's official publication as well as president of the society. He was the first American vice president of the International Pharmaceutical Federation's membership section for hospital pharmacists.

Jeff Carson, B.S. '96, has been named fifth vice president of the National Community Pharmacists Association. He lives in San Antonio where he is owner of Oakdell Pharmacy with four locations throughout the city.

Charles McPherson, Pharm.D. '97, clinical assistant professor of pharmacy practice at the University of Illinois at Chicago, has been named the 2011-2012 Academic Leadership Fellow for the American Association of Colleges of Pharmacy. In its eighth year with more than 200 alumni, this yearlong program is designed to develop the nation's most promising pharmacy faculty for roles as future leaders in academic pharmacy and higher education.

Candice Garwood, Pharm.D. '01, is a clinical assistant professor at Wayne State University in Michigan. In addition, she provides clinical service at Harper University Hospital, Detroit, and holds an appointment as an adjunct at the university's School of Medicine. She blends her clinical practice with scholarship, contributing to the literature in her clinical practice specialties of anticoagulation and geriatric care.

Brandon Patterson, Pharm.D. '08, is author of an article, "Turning small talk into better patient outcomes (through research!)" in the Nov./Dec. 2011 issue of *Student Pharmacist*, a publication of the American Pharmacists Association. He is a fourth-year Ph.D. student and new practitioner mentor at the University of Iowa.

Alumni Association awards banquet

Group honors four at annual homecoming gathering

The Pharmacy Alumni Association honored four outstanding pharmacists during the annual alumni dinner and awards reception in September.

Honorees include:

- Donna Burkett, recipient, William J. Sheffield Outstanding Alumnus Award;
- Billy Woodward, recipient, Legend of Pharmacy Award;
- Dr. Chris Frei, recipient, Distinguished Young Alumnus Award; and
- Dr. Diane Schuetze, recipient, Wm. Arlyn Kloesel Preceptor of the Year Award.



Donna Burkett



Billy Woodward



Chris Frei



Diane Schuetze

Donna Burkett, R.Ph. and M.S., has more than 25 years experience in hospital pharmacy management. She serves as clinical associate professor at the college where she teaches hospital pharmacy management courses and coordinates the Introductory Pharmacy Practice Experiences. Previously, she was director of the pharmacy at St. David's Round Rock Medical Center, director of pharmacy for Texsan Heart Hospital, and director of pharmacy and ancillary services at Warm Springs Rehabilitation Hospital. She graduated from the college with a B.S. in pharmacy in 1972 and an M.S. in pharmacy administration in 2000. In 2003, she was appointed to the Texas Health & Human Services Commission Medicaid Pharmaceutical & Therapeutics Committee where she served as vice chair. Burkett also has served as president of both the Texas Society of Health-System Pharmacists and the Central Texas Society of Health-System Pharmacists.

Billy Woodward, R.Ph., has more than 35 years experience in healthcare. He established the consulting company Renaissance Innovative Pharmacy Services in 2003 and has contracted extensively with Ernst & Young Health Sciences Advisory Services. Woodward also serves as clinical associate professor at the college. He was executive director of pharmacy at Scott & White Hospital in Temple for 25 years where he developed and managed eight retail pharmacies, the inpatient pharmacy, clinic services, and the managed care programs for Scott & White Health Plan. He serves as chairman of the American Society of Health-System Pharmacists Research and Education Foundation and as treasurer of the hospital section of the International Federation of Pharmacists. Mr. Woodward has received the ASHP's Whitney Lecture Award

and Leadership Award. He graduated from the college with a B.S. in pharmacy in 1963.

Chris Frei, Pharm.D., M.S., BCPS, is assistant professor of pharmacotherapy at the college and is clinical assistant professor at the University of Texas Health Science Center in San Antonio. His research activities involve a combination of pharmacoepidemiology, health services and health disparities research, and microbial genomics. He received his Pharm.D. in 2001 and his M.S. in pharmacy in 2003, both from UT Austin. Since receiving his Pharm.D., Dr. Frei has consistently received numerous awards and accolades, including the Best Master's Thesis Award, Outstanding Student Research Award, and Best Abstract by a Professional/Undergraduate Student. Since 2006, he has served as a supervisor and mentor for master's and doctoral students and has been nominated several times for the Texas Exes Teaching Award. He is quickly becoming a leader in infectious disease research. In 2011, the Texas Society of Health-System Pharmacists presented him with the Pharmacy Mentor Award by for his contributions to the education and training of Pharm.D. and postgraduate students.

Diane Schuetze, Pharm.D., BCPS, BCNSP, is a clinical pharmacist at Hillcrest Baptist Medical Center in Waco where she has worked since 1995 and has served as a preceptor since 1996. Dr. Schuetze graduated from Creighton University School of Pharmacy & Allied Health in Omaha, Nebraska in 1995. She is a member of the American Society of Health-System Pharmacists where she is a clinical specialist and the American College of Clinical Pharmacy where she participates in the Critical Care Practice-Research Network. During her tenure at Hillcrest Baptist Medical Center, she has had extensive experience implementing programs and fostering relationships with pharmacy students.

Horns gather for Tailgate Party

Annual homecoming event salutes anniversary classes

Pharmacy alumni, students, faculty and staff gathered September 9-10 for the annual Pharmacy Homecoming Weekend. On Sept. 10, the horns decked out in their orange and white and gathered for the annual Tailgate Party as they prepared to cheer their Longhorns to a 17-16 victory over BYU. Plans are already underway for the 2012 Pharmacy Homecoming weekend scheduled for September 7-8, 2012. Learn about the exciting events planned and register to attend by visiting the Alumni Events and Benefits page on the web at <http://www.utexas.edu/pharmacy/dean/alumni/homecoming.html>



Class of 1981



Class of 1991

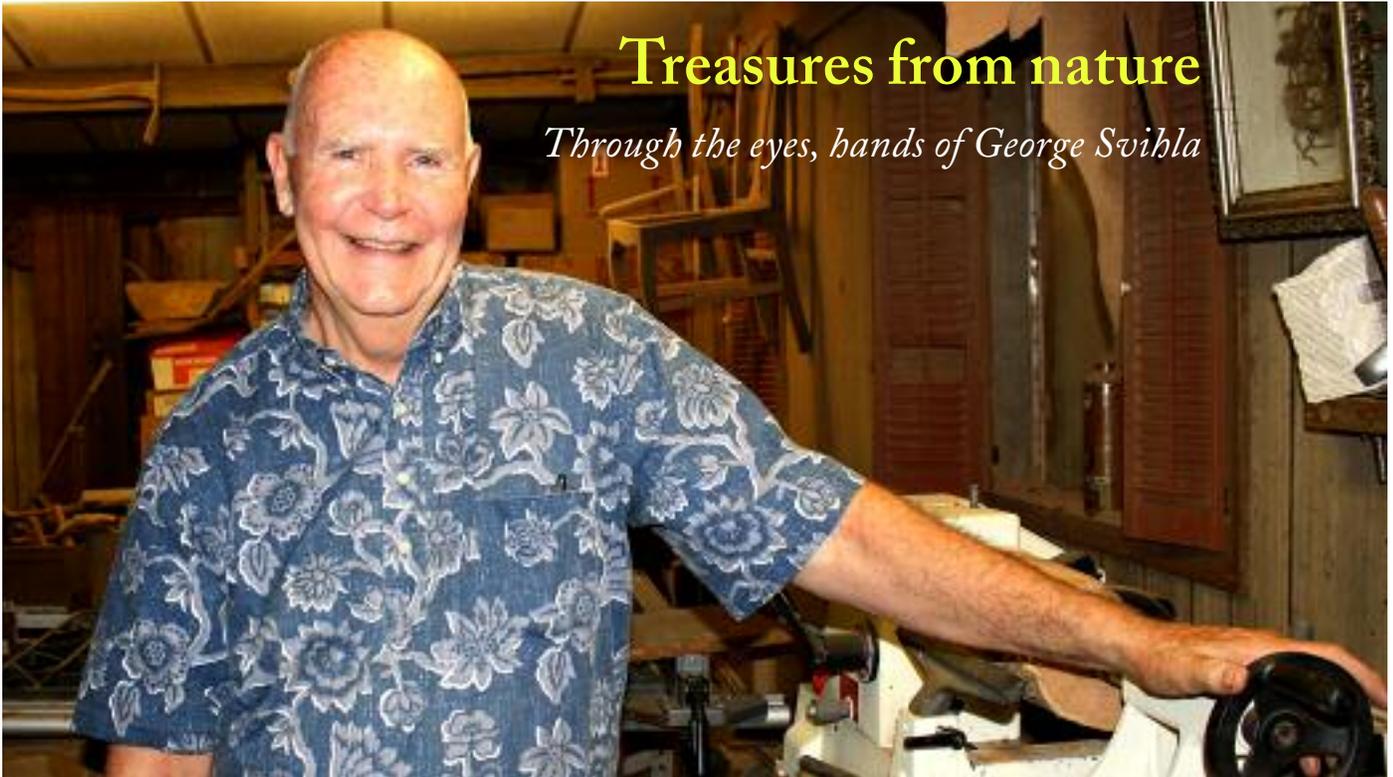


Class of 2001



Treasures from nature

Through the eyes, hands of George Svihla



As storms roll across Central Texas bringing high winds and down trees, many local residents often despair over the destruction and clean up that's left behind.

Not George Svihla, B.S. '69. Although a storm in the middle of the night often leads him to be one of the first up and out the next morning, it's not to worry over potential damage, but rather, not to miss a rare opportunity. For him, the storm's aftermath represents a sort of free store filled with opportunities in the downed tree limbs often seen only by him. Each tree, even a large limb of a tree, represents a potential object of artistic merit, waiting only to be discovered under the careful guidance of a true craftsman.

Svihla and decades of pharmacy graduates can thank his eighth grade shop teacher for that vision -- and the remarkable results realized from his artist's eye.

"In my era, boys took shop; girls took home economics," he smiled. The skills he learned in his boyhood shop class gave him the skills for a life-long hobby, turning the potential he sees in raw wood into art pieces.

Svihla worked as a pharmacist in the UT Student Health Services Pharmacy from 1969-1995. At a holiday gift exchange with his pharmacy staff, he brought a wooden mortar and pestle that he had fashioned from a piece of wood. The gift was a huge hit and word quickly spread regarding his talent. Soon a member of the College of Pharmacy's dean staff contacted him requesting that he make a similar mortar and pestle for an end-of-year student award. The Mortar and Pestle Award was established.

"I remember (former staff member) Linda Brown asking me if I could make something about the size of a soda can," he laughs. "That was my only direction."

Since 1980, Svihla has fashioned one of his creations for each recipient of the annual award with the exception of 2011 when illness prevented him from participating. Most recently he fashioned a custom mortar and pestle for former Dean James Doluisio in recognition of Doluisio's designation as dean emeritus of the university. Ironically, it was under Doluisio's administration that he first began making the mortar and pestles for the college.

The backyard of his central Austin home is dominated by a large detached workshop where potential art treasures fill the space and spill out onto the attached porch. In addition to wood he has salvaged from storms, pieces have been recovered when neighbors and friends have had trees removed from their





yard and from trees felled at the university to make way for new buildings. One of his favorite pieces was fashioned from a large crepe myrtle that was cut down outside a dorm located near the pharmacy building.

Logs are cut into slabs to explore their unique characteristics – wood grain, cracks, even damage brought about by worms or insects. The slabs selected are cut into smaller pieces to be put onto the lathe for shaping, sanding and polishing. Svihla sometimes carves the art pieces to add UT or Rx to the finished work.

A final touch, and hallmark of a Svihla piece, is his ability to turn the “damage” created by the parasites into signature marks. To do this, Svihla grounds turquoise nuggets into a powder that he mixes with epoxy cement. The mixture is then installed into the wood indentions – both those created by the insects and those devised by Svihla.

His talents have also been used to fashion frames for stained glass pieces on display in the college’s Delgado Learning Resources Center. In addition, he had turned his craft into a retirement business by contracting with a local shop to make wooden lamp bases.



Facing page: Top, George Svihla in his backyard workshop; bottom, wood prepared for the lathe. Top left to right, on the lathe; turquoise prepared with a mortar and pestle; finished products. At left: Svihla starts work on a new piece using the lathe.

One graduate's effort to change the world

Editor's Note: Scott Holter has taken to heart the university's challenge to be a place where "what starts here changes the world." He submitted the following for *Focus* readers to consider his efforts to bring about change.

By Scott Holter, B.S. '88

I was not at the top of my class – more like in the middle; however, I made a 93 on my board exam so class rank does not always define your professional destination.

My first professional position was as a community pharmacist in Austin until 1992. That year was a turning point as it occurred to me that I was meant for a different career path. By chance, I met a recruiter from Pharmaco at a social function and happened to have a copy of my resume in the car which I gave to her. I was called in for an interview the next week and landed a job as a clinical research associate (CRA). The significance of that event was something I did not realize at the time, but in hindsight was a big factor in my path.

Research companies such as Pharmaco traditionally do not hire someone as a CRA without research experience. In this case, however, the company had just landed a large project and needed 10 new CRAs to cover the work. To meet this need, management was willing to hire healthcare professionals (HCPs) and train them to be CRAs. I was the only pharmacist in the group, mostly filled with RNs, BSNs, MSWs and others HCPs. And so began my career in research. I did not know where it would lead, but I knew I was headed in the right direction.

During that time period (1992-1997) Pharmaco was bought by Pharmaceutical Product Development, and it remains that way today. During my time there, I learned in excruciating detail all the components of a research protocol and how to implement these protocols in field or in a Phase I unit. This meant non-stop travel to research sites around the country, auditing (generally called monitoring) research records of study patients and writing reports on my findings.

The learning curve for this work was 2-3 years. In pharmacy school, we were taught the differences between Phases 1,2, 3 and 4, but really nothing at all about the details of how each phase of clinical research is accomplished. During this period of professional development I learned how to write a clinical protocol, develop a project plan for that protocol, hire a staff of trained research professionals and train them on the science,



Scott Holter

FDA regulations and implementation of the protocol.

In 1999, I entered the TxPHARM program to earn my Pharm.D. This turned out to be a good decision as it later opened doors that would not have been open. After two years as pharmacy director at Southwest Regional Cancer Center, I was hired as a medical science liaison (MSL) by Novartis Oncology. This was another fork in my career path because you typically don't get hired without experience, however my research background and Pharm.D. helped. In January 2009, I joined Celgene as a regional medical liaison (same as an MSL) and was assigned to cover MD Anderson. This led to work with Drs. Nathan Fowler and Michael Wang in the lymphoma department. Dr Fowler's "investigator initiated trial" or IIT in follicular lymphoma (FL) represented a key experiment with a non-chemo, targeted agent combination in this type of cancer. I worked closely with Dr. Fowler on this trial and the results were presented at an international meeting in Switzerland in July.

The data from this trial has led to a large, international Phase III trial using the combination of Revlimid and Rituxan in front line treatment of patients with FL. The significance of this trial is that patients may soon be able to receive a non-chemo regimen for their FL and have better response rates, longer survival, and fewer adverse events. In addition, I worked with Dr. Wang on another IIT using the same non-chemo regimen (Revlimid+Rituxan) in relapsed- refractory mantle cell lymphoma (MCL), which is a more aggressive cancer. The results of this trial were also presented at the meeting in Switzerland and this trial will lead to other research to add perhaps one additional targeted agent to the regimen.

The work I have described has the potential to indeed "change the world" with new, more effective and less toxic treatments for lymphoma patients all over the world.

I am proud to be working in this field with great colleagues like Drs. Fowler and Wang. I hope to continue what started at UT College of Pharmacy and do my part to "change the world".



60TH ANNUAL

Pharmacy Practice Seminar

A knowledge-based CPE activity

September 15-16, 2012
Austin, TX

Location

DoubleTree Hotel
6505 N IH 35
Austin, TX 78752

Lodging

Overnight accommodations are available by calling the DoubleTree and referencing "The University of Texas Pharmacy Practice Seminar." We recommend reserving your room as soon as possible.

DoubleTree Hotel (conference hotel)
6505 N IH 35
Austin, TX 78752
800/347-0330
\$109 single/double occupancy

Seminar Goal

To provide pharmacists in all practice settings with useful and relevant clinical and practice information to enhance your ability to serve as a valuable resource for your customers and patients and ultimately improve patient outcomes.

Registration

Online registration opens in July! Please visit our website: www.utexas.edu/pharmacy/ce or call (512) 471-6213 to register. Registration includes breakfast, lunch and breaks on Saturday and Sunday, as well as conference materials and 15 hours of CE credit.



The University of Texas at Austin College of Pharmacy is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education. This course is approved for 1.5 CEUs (15 contact hours) of continuing education credit.

PPS is a great chance to earn your 3 hours of preceptor education credit! Accredited topics will be available on our website.



Celebrating our 50+ year attendees at 2011 PPS! From left: Steve West, Robert Barr, Manuel Ruiz, Hazel Cox, Frances Dyer Hickman, Vincent Crixell III, Anita Sylvia Garcia, Elia Manuel, Frank Fleitas, Conrado Garcia, Charles Baggett, Guy Robinson, Barnett Lew, Jacob Eckert, Jr., James McCann, Kenneth Tiemann, Tom Chamberlain, Billy Hinson, Lloyd McGrew

Pre-Conference Courses

You do not need to be registered for PPS to attend one of the pre-conference courses. They are open to any pharmacist who wishes to attend!

IV Update



A knowledge-based CPE activity 3 hour CE course
Friday, September 14 6:30-9:15 PM
Austin, TX

Location

DoubleTree Hotel
6505 N IH 35
Austin, TX 78752

Course Focus

Topics related to sterile product preparation

Audience

IV-certified pharmacists and technicians seeking to expand their skills and knowledge in sterile product preparation

Registration

Online registration opens in July! Please visit our website: www.utexas.edu/pharmacy/ce or call (512) 471-6213 to register. Registration includes 3 hours of CE credit, dinner and program materials.

Immunization Update



A knowledge-based CPE activity 3 hour CE course
Friday, September 14 6:00-9:15 PM
Austin, TX

Location

DoubleTree Hotel
6505 N IH 35
Austin, TX 78752

Course Focus

Topics related to immunization

Audience

Immunization-certified pharmacists seeking TSBP-required 3 hours of CE to maintain competency in the administration of immunizations or vaccinations

Registration

Online registration opens in July! Please visit our website: www.utexas.edu/pharmacy/ce or call (512) 471-6213 to register. Registration includes 3 hours of CE credit, dinner and program materials.



CPE Monitor - Are You ready?



Beginning January 2012, The University of Texas at Austin College of Pharmacy will require all participants to provide their NABP e-Profile ID and date of birth when registering for CE activities, in order to receive CE credit for participation.

If you have not yet obtained your NABP e-Profile ID, please visit www.MyCPEMonitor.net to do so.

CPE Monitor

CPE Monitor is a national, collaborative effort organized by the Accreditation Council for Pharmacy Education (ACPE) and the National Association of Boards of Pharmacy (NABP), in order to provide an electronic system for pharmacists and pharmacy technicians to track their completed continuing pharmacy education (CPE) credits. It will also offer boards of pharmacy the opportunity to electronically authenticate the CPE units completed by their licensees, rather than requiring pharmacists and pharmacy technicians to submit their proof of completion statements (i.e. statements of credit) upon request or for random audits. A complete description of CPE Monitor can be found by visiting NABP's website: www.MyCPEMonitor.net

Helpful Tips

- When setting up your profile to obtain your NABP e-profile ID on the secure NABP website, be prepared to enter your social security number. Please see the FAQs section on the NABP website for a full, detailed explanation about why they require social security numbers, or contact them directly with questions. (See NABP contact information below.)
- Once you have been assigned your NABP e-profile ID number, be sure to record it in a location that is easily accessible so you have it ready when it's time to register for a CE course. You will need to provide your NABP e-profile ID and DOB to register for a CE course.
- CE Providers (e.g. UT Continuing Education) will not have the access or authority to set up or look up NABP e-Profile ID numbers on behalf of participants. Pharmacists and technicians who need assistance with this process must contact NABP directly. (See NABP contact information below.)
- Please obtain your NABP e-profile ID soon, before you need to register for a CE course. In the event you experience any unforeseen difficulties with the registration process, you will want ample time to contact NABP for support.
- UT Continuing Education is dedicated to helping our customers through this transition, and will continue to provide printed CE statements to customers upon request. UT Continuing Education has also included additional information about CPE Monitor on the UTCE website: www.utexas.edu/pharmacy/ce

NABP Contact Information

Pharmacists or pharmacy technicians with questions regarding their NABP e-Profile or CPE Monitor should contact NABP Customer Service via email or phone.

Hours: Monday - Friday, 9 AM to 5 PM central time

Telephone: 847-391-4406

Email: custserv@nabp.net

Fax: 847-391-4502

website: www.MyCPEMonitor.net



IV Update

A knowledge-based CPE activity

Saturday, March 31
Austin, TX
3 hour CE course

Location

The University of Texas at Austin
College of Pharmacy
Room 3.106

Course Focus

Topics related to sterile product preparation

Audience

IV-certified pharmacists and technicians seeking to expand their skills and knowledge in sterile product preparation

Registration

Please visit our website: www.utexas.edu/pharmacy/ce or call (512) 471-6213 to register.
Registration includes 3 hours of CE credit and program materials.



Psychiatric Pharmacotherapy Update

A knowledge-based CPE activity

October 11-12, 2012
Austin, TX

Location

Marriott Austin South	*for GPS, please use:
4415 South IH 35	4405 Meinardus
Austin, TX 78744	Austin, TX 78744

Lodging

Overnight accommodations are available by calling the Marriott and referencing The University of Texas Psychiatric Pharmacotherapy Update.
We recommend reserving your room as soon as possible.

Marriott Austin South (conference hotel)
4415 South IH 35
Austin, TX 78744
800/228-9290
\$129 single/double occupancy

Conference Goal

The University of Texas College of Pharmacy's Psychiatric Pharmacy Program, Pharmacy Continuing Education Office, and the continuing education programs for medical and nursing at The University of Texas Health Science Center at San Antonio are proud to host this conference for the 24th year. This is a regional program involving the College of Psychiatric and Neurologic Pharmacists (CPNP), an organization dedicated to the promotion of rational pharmacotherapy and care for patients with CNS disorders.

The program provides attendees an opportunity to interact with clinical experts from nationally recognized medical teaching and research centers, and to learn recent advances in psychiatric medicine that can improve outcomes for their patients.

Audience

Pharmacists, physicians and nurses who are specialized or have an interest in neuropsychiatric disorders who wish to enhance their awareness and knowledge as well as to stay abreast of the most recent advances impacting the practice.

Registration

Online registration opens in July!
Please visit our website: www.utexas.edu/pharmacy/ce or call (512) 471-6213 to register.



Registration includes breakfast, lunch and breaks on Thursday and Friday, as well as conference materials and 15 hours of CE credit.

The University of Texas at Austin College of Pharmacy is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education. This course is approved for 1.5 CEUs (15 contact hours) of continuing education credit.

Please visit our website in July for CNE and CME accreditation information.



Diabetes Disease State Management Program

An Application-based CE Activity

April 21-22, 2012

Registration opens in February

Location

The University of Texas College of Pharmacy
Austin, Texas

Audience

This course is ideal for pharmacists seeking advanced-level diabetes training in order to provide their patients with comprehensive diabetes management services. This is an excellent course for pharmacists planning to participate (or currently participating) in a Medication Therapy Management (MTM) program. The course is also helpful to individuals who are preparing to take the Certified Diabetes Educator (CDE) exam. Please note: Participating in this CE course is not the process for becoming a Certified Diabetes Educator (CDE), and participants will not earn CDE credentials upon completion. Pharmacists interested in becoming a Certified Diabetes Educator should visit www.ncbde.org to learn more about the credentialing process.

Instructional Design

The course is comprised of two parts.

Part I is a 14.75-hour (1.475 CEUs) online self-study

Part II is a 9.25-hour (.925 CEUs) live interactive workshop.

The online self-study must be completed prior to attending the live workshop, and both parts must be completed in order to receive a certificate of completion. The live interactive workshop is limited to 30 participants to insure ample opportunity for faculty-student interaction and immediate feedback on skills performance.

Learning Objectives

- Demonstrate an understanding of the pathophysiology, diagnosis, and precluding conditions of diabetes.
- Develop, monitor, and evaluate patient-specific diabetes regimens using evidence-based approaches.
- Demonstrate proficiency in the selection and use of various blood glucose meters based upon individual patient characteristics and needs.
- Demonstrate the proper steps for performing a diabetic foot exam.
- Demonstrate the ability to educate diabetics on proper insulin dose preparation and storage, needle and syringe selection, and injection techniques.
- Demonstrate knowledge of selecting diabetic supplies and recommend resources readily available to patients to assist in managing their disease state.
- Demonstrate knowledge in the selection of an appropriate therapeutic agent based upon patient physical characteristics and history.
- Demonstrate knowledge of patient preventative measures to promote better control through exercise, diet and personal habits.
- Identify specialized credentialing options for pharmacists who provide diabetes management services.



The University of Texas At Austin College of Pharmacy is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education. The live workshop portion of the program is approved for 9.25 contact hours of continuing education credit. The American Association of Diabetes Educators is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education. The online portion of the program provides 14.75 contact hours of continuing education credit.

Please visit our website (www.utexas.edu/pharmacy/ce) in February for complete course details. On our website, you can also opt to join our notification list to receive an email announcement as soon as registration opens.

Stay Connected!

Join our Program Notification List and be the first to receive event information! We only use your email as a means of communicating CE event news. The list is available on our website: www.utexas.edu/pharmacy/ce

A lasting tribute



Trevor Bullard, Linda and Steve Balas

Renee Balas Bullard was the kind of person that people liked to know.

An ambitious and motivated young woman from Eagle Lake, she excelled in school in both academics and extracurricular activities – honor student, head twirler, cheerleader, class officer. She entered The University of Texas College of Pharmacy full of promise with the world ahead of her. She graduated with a B.S. in December 1994 and began her pharmacy career with Walgreens in San Antonio.

In 1993, she married Steve Bullard. Their son Trevor was born in August 1996, twelve weeks early and two days after Renee was diagnosed with meningitis. Renee died on September 25, 1996 from complications of the disease.

In her honor, family and friends, led by her parents Steve and Linda Balas, established the Renee Balas Bullard Endowed Pharmacy Scholarship shortly after her death. This fall, the family added to the endowment to bring it to a \$25,000 gift.

“She loved life and loved her profession of pharmacy,” said Linda Balas. “This is a way of honoring her and making sure that in generations to follow, there is a living legacy to help others in the profession that she loved.”

If you would like to learn how to honor someone by establishing a scholarship endowment, contact the Pharmacy Development Office at 512.475-9757 or send email to Susan Brown at susbrown@mail.utexas.edu.

Endowed Presidential Scholarships

College welcomes creation of two new scholarships

The Endowed Presidential Scholarship Program was established in 1973 by the UT System Board of Regents to provide merit-based scholarships to outstanding upper division students at the university. Minimum funding of \$50,000 is required to establish an EPS. Funds distributed from the endowment are used to provide a one-year stipend of at least \$2,500. On March 27, the College of Pharmacy will join others from throughout the university community in celebration the creation of new EP scholarships including two within the college –

the **Alfredo T. Garcia, Jr. Endowed Presidential Scholarship in Pharmacy**

and the **Marina P. Sifuentes Endowed Presidential Scholarship**

Alfredo T. Garcia, Jr. Endowed Presidential Scholarship in Pharmacy

Alfredo T. Garcia Jr., B.S. '43, is the namesake of the endowed presidential scholarship being established in his honor by his son, Dr. Tom Garcia III, B.S., '71, a cardiologist from Houston. Dr. Garcia has elected to build his gift over time, faithfully making contributions almost monthly toward the EPS. Often when he makes an installment, he does so by dedicating the funds in honor of someone who has played a significant role in his life or who he wishes to pay tribute.

Marina P. Sifuentes Endowed Presidential Scholarship

Marina P. Sifuentes, B.S. '76, first established an endowment in support of student scholarships in 1995. Ms. Sifuentes, who serves on the Pharmacy Advisory Council, has remained actively involved as an alumni and is a life member of the Pharmacy Alumni Association. Recently, she dedicated additional funding to elevate the status of the scholarship named in her honor to an endowed presidential scholarship.

Pharmacy Endowed Presidential Scholarships

Abbott Laboratories EPS in Pharmacy
 Bergen Brunswig Corporation EPS in Pharmacy
 Bill, Mildred and Chris Dismukes EPS in Pharmacy
 James T. and Phyllis Doluisio EPS in Pharmacy
 Eckerd EPS in Pharmacy
 Tom and Beverly Gerding EPS in Pharmacy
 Fernando F. Gonzalez EPS in Pharmacy
 Alan and Nancy Hamm EPS in Pharmacy
 Hoechst-Roussel/Howard B. Lassman EPS
 Kappa Psi Pharmaceutical Fraternity Texas Graduate Chapter EPS
 Paul and Margaret Kehrer EPS in Pharmacy
 Frederick D. Klein EPS in Pharmacy
 Mr. & Mrs. C. L. Klinck, Jr. EPS in Pharmacy
 Mr. & Mrs. Jan Klinck EPS in Pharmacy
 Wm. Arlyn and Mary Carol Kloesel EPS in Pharmacy

Jim Koeller EPS in Pharmacy
 Peter John Layden and Professor Willet T. Conklin EPS in Pharmacy
 Lee's Pharmacy and Medical Equipment Company EPS in Pharmacy
 Legends of Pharmacy Golf Tournament EPS in Pharmacy
 Medco Health Solutions, Inc. EPS in Pharmacy
 NACDS Foundation EPS in Pharmacy
 Randalls EPS in Pharmacy
 Judith J. Saklad, Pharm.D. EPS in Pharmacy
 San Antonio Pharmacists EPS
 Van M. Smith EPS in Pharmacy
 Baldomero Vela, Sr. EPS in Pharmacy
 Eugene L. and Judy Vykukal EPS in Pharmacy
 Harold N. and Dorothy B. Walsdorf EPS
 Neill and Beverly Walsdorf EPS in Pharmacy
 Dr. Charles A. Walton EPS in Pharmacy

If you would like to learn about the options available for establishing an endowed presidential scholarship, contact the College of Pharmacy Development Office via email to susbrown@mail.utexas.edu or call (512) 232-2779.

February

21 - Etiquette Dinner, 6 pm

March

10 Reception, APhA meeting, New Orleans, Hilton Riverside, Rosedown Room, 6 pm

12-16 Spring Break

30 Advisory Council Meeting

April

5 COP reception, El Paso Country Club, El Paso, 7 pm

13 Reception, TSHP meeting, Dallas, location/time TBD

20 Dessert reception, WTPA, Midland, location/time TBD

May

3 Reception, Art Village, McAllen, time TBD

18 College of Pharmacy Convocation

19 UT Commencement

June

2-6 Reception, ISPOR meeting, Washington, D.C., location/time TBD

July

9-13 AACP Annual Meeting and AACP Teachers Seminar, San Antonio

26 Reception, TPA meeting, The Woodlands, location/time TBD

August

27 New Student Orientation Begins

27 White Coat Ceremony

28 Gone to Texas

29 First Day of Fall Classes

September

7-8 Homecoming Weekend

Alumni Association Awards Banquet (7), Tailgate Party (8)

October

13-17 Reception, NCPA Meeting, details TBD

14-18 Reception, AAPS meeting, details TBD

College Quick Reference

Admissions

Richard Wilcox
(512) 471-1737
wilcoxrich@mail.utexas.edu
and

Ann Spencer
(512) 471-4425
anns@mail.utexas.edu

Alumni/Donor Address Changes

Lauren McIlwain
(512) 475-9759
lmcilwain@mail.utexas.edu

Alumni Events & Information

Lauren McIlwain
(512) 475-9759
lmcilwain@mail.utexas.edu

Donations, Gifts, Endowed Scholarships

Susan Brown
(512) 475-9758
susbrown@mail.utexas.edu

College/High School Recruiting

Greg Caldera
(512) 475-9754
howdy@mail.utexas.edu

Continuing Education

Glen Baumgart
(512) 471-6213
gbaumgart@austin.utexas.edu

Curriculum

Patrick Davis
(512) 471-1737
davispj@mail.utexas.edu

Financial Aid/Scholarships

Jennifer Ridings-Myhra
(512) 471-9752
myhraj@mail.utexas.edu

and

UT Student Financial Assistance
www.utexas.edu/student/finaid

Golf Tournament/Sponsors

Meagan Smith
(512) 232-2779
meagan.smith@austin.utexas.edu

Graduate Program Admissions

Stephanie Crouch
(512) 471-6590
swcrouch@mail.utexas.edu

Internships/Preceptors

Jennifer Ridings-Myhra
(512) 471-9752
myhraj@mail.utexas.edu

Student Professional Affairs

Diane Ginsburg
(512) 471-1737
dbgbox@mail.utexas.edu

Student Affairs Office

(512) 471-1737