

UGA **RX**

THE UNIVERSITY OF GEORGIA
COLLEGE OF PHARMACY MAGAZINE

FALL 2015

**A Non-Traditional
Approach**

**Prostate Cancer
Outcomes
Studied**

**Drug-Resistant
Tuberculosis
Possibilities**





Dear Friends,

Today, about 58% of the American population takes prescription medicine, and 15% are prescribed 5 or more drugs. Every drug shows some untoward effect at least in a small percentage of patients. As the number of drugs consumed increases, the probability of experiencing side effects increases dramatically, either due to an accumulation of individual side effects or through drug-drug interactions. It is also estimated that as many as 15% of all hospitalizations are drug related indicating the increased risk related to poly pharmacy.

Is this inevitable? Is it the price we have to pay to live quality lives despite our various medical conditions? There is increasing evidence that for some of us the answer to this question is likely a decisive no. In one study from Israel, elderly patients taking an average of eight drugs were reviewed for evidence of benefit. As a result of the review, 58% of the drugs were discontinued. The result was that only 2% had to be restarted and 88% reported a global improvement of health.

This is not a unique study. Report after report tells us that we in general are taking too many drugs and we are quick to provide add-on drugs without removing drugs already being prescribed. And this is likely to continue. With the new guideline for more aggressive treatment of hypertension and lower targets for LDL, we are likely to see more drug use rather than less.

So what is going on and what can we do to change the over-prescription of drugs and in the process potentially improve health?

One can develop several different theories for each of the observations, however a common suggestion is that we are often too aggressive in following so-called evidence based medicine that focuses on a single disease and does not take comorbidity or confounding factors into consideration. For example, in a study published by JAMA Internal Medicine earlier this year, patients with acute, life-threatening cardiac conditions did better when the top attending cardiologists were out of town than when they were present. What may be considered the "best" treatment in certain situations may be contraindicated when considering other factors.

It is also clear that the more specialists the patient sees, the more likely one encounters the elements of over prescribing, side effects and drug-drug interactions often together resulting in a decreased quality of life. The main problem seems to be a lack of communication among health care providers and patients as well as a lack in coordination of treatment plans.

What we need is integrated care where the patient is evaluated from a holistic perspective, and where the risk vs benefit assessment is part of the decision for all treatments, whether to be initiated or maintained or discontinued. Studies in the US suggest that up to 90% of elderly patients would be willing to discontinue some or all their drugs if they received such a recommendation from their physician. This clearly indicates that resistance to modification of treatment is not going to be an obstacle.

With the training our graduates receive, and our increasing focus on an integrated and team-based approach to healthcare, pharmacists are emerging as one of the key players in health care teams.

The expanded role allows pharmacists to focus on assuring that patients received the best therapeutic options available to them while opening the door for new possibilities for pharmacists to participate in developing new models of care. These new models focus on treating the whole patients and not a group of individual conditions and symptoms where there is balance between treating the condition(s) and risk for adverse reactions(s). Training in the areas of medication reconciliation, drug treatment reviews, and assessment of treatment options are some of the essential skills that the College is providing our students and graduates. This training will assure that we not only will be able to meet the present challenges but that we will be able to position ourselves to be leaders in advancing Pharmacy in the changing health arena. 🐾

Svein Øie, Dean

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Svein Øie, Dean
706/542-1914
soie@rx.uga.edu

PUBLISHER
The University of Georgia
College of Pharmacy

EDITOR
Sheila Roberson

DESIGN
Sam Pittard
Bulldog Print + Design

PHOTOGRAPHY
Sheila Roberson

PHONE
706/542-5303

FAX
706/542-5269

EMAIL
roberson@rx.uga.edu

WEBSITE
www.rx.uga.edu



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Janet Hunter:

By Sheila Roberson

Experiencing a non-traditional life full of career adventures

Janet Hunter ('84 BS, '04 PharmD) grew up as a self-proclaimed tomboy and adventurer with a great desire for learning and experiencing new things. From her early childhood growing up on the family's Hiawassee farm she loved hiking in the woods, riding horses and motor scooters over the fields, and playing ball games with the neighborhood school boys. Girls' games were not for her; she preferred a non-traditional lifestyle.

That same spirit carried into her adult life as she earned five degrees, two in pharmacy and one in psychiatric medicine, and lived and worked in eight different locations in various career capacities from private practice to contract psychiatry with the federal government. Settling down and remaining in private practice psychiatry had been her initial career goals, but those were not to be. Challenges with running a small private practice in a rural area resulted in a series of career changes culminating in her current position as a telepsychiatrist. Her work in telepsychiatry connects her with a diverse population of patients and with a variety of diagnoses and psychosocial challenges. One of the most challenging diagnoses is post-traumatic stress disorder (PTSD) seen in civilian, military and veteran populations. The diversities of patient populations, diagnoses, and psychosocial challenges might just be stimulating enough to keep her on this career path for a while.

"My degrees in pharmacy have worked hand in hand with my medical background to give me the best possible knowledge base to deal with my patients, as a doctor and as a therapist," she noted. "Now I can also experience a unique method of working with patients through telepsychiatry."

Telepsychiatry is a portable discipline described as "the application of telemedicine to the specialty field of psychiatry. The term typically describes the delivery of psychiatric assessment and care through telecommunications technology, generally video conferencing. Psychiatry services can be offered through intermediary companies that partner with facilities to increase care capacities, or by individual providers or provider groups. Most commonly, telepsychiatry encounters take place at medical facilities under the supervision of onsite staff, though at-home models are becoming accepted as long as they are in compliance with HIPAA standards.

One of the drivers behind telepsychiatry's growth in the United States has been a national shortage of psychiatrists, particularly in specialty areas such as child and adolescent psychiatry; telepsychiatry can allow fewer doctors to serve more patients by improving utilization of the psychiatrist's time. Telepsychiatry can

also make it easier for psychiatrists to treat patients in rural or underserved areas by eliminating the need for either party to travel..."

This last statement best describes Hunter's current work situation, as she uses her laptop computer to interview patients in a skype-type situation wherever she can find the desk space. With her work area based at her current residence in Maryland she treats veterans in the Ft. Meade and Hot Springs, South Dakota, Veterans Affairs Medical District without ever needing to leave her home. Her patient populations live in the rural, remote Black Hills of South Dakota and neighboring rural communities in Nebraska, Wyoming, and Colorado, while she actually lives in Maryland.

"Telepsychiatry appeals to my sense of adventure," she stated. "Since the beginning of my career I have looked forward to experiencing new things in new places. I love being mobile and living in the mountains or wherever I want, and I have also liked experiencing the latest career challenges."

Her career path has reflected her eagerness for knowledge as well. Starting out with a double major in biology and psychiatry at Emory University she set her sights on medicine. Unfortunately, she said, her grade point average as an undergraduate prevented her acceptance into the Medical College of Georgia. As luck would have it, however, her job as a pharmacy technician opened her eyes to career possibilities as a pharmacist and also prompted her to enroll in the College's continuous bachelor of science program, which offered summer classes and an earlier graduation date than the traditional bachelor's degree.

"I saw pharmacy as a path toward gaining more knowledge of medicines than what is generally available to a medical doctor," she said. "At that time, practicing pharmacy was the best choice for me and led to six years as a hospital pharmacist in Toccoa and another four years in the pharmacy at the MCG Hospital. I really enjoyed the clinical practice of pharmacy."

Even though she enjoyed her career in hospital pharmacy, she still dreamed of being a doctor. This time her stellar academic performance at UGA's pharmacy school allowed her acceptance to MCG. Her pharmacy background was incredibly beneficial there,

Janet Hunter counsels her patients from a portable work station.



she said, as it reinforced her own knowledge of medicines and body systems and allowed her to do a side job as a pharmacology tutor for other medical students.

“Most doctors have a limited number of medicines that they know well and use in their respective specialties. When some of the new medicines come out, I have an advantage of knowing what the new medicines might do since many new drugs are often modifications of old drugs,” she said.

By 1998, she had finished her eight years of medical course work at MCG, residency training at Emory University and had begun a psychiatric practice career in both government-funded and private therapeutic programs. The years that followed were some of the best in her life, she noted, as she spent 10 years as an independent private practice psychiatrist in a rural area. She enjoyed working with her patients and helping them deal with the challenges in their lives, but the business aspects of the job became increasingly difficult, she said.

“It got to the point that dealing with regulatory agencies and the associated demands to make costly changes to a solo practice, along with the increasing time involved with billing processes and

the accompanying decreases in reimbursements, left too little time for patient care,” she noted. “Working with patients and trying to make a difference was where my heart was. I realized more and more that solo private practice psychiatry in a rural area was becoming impossible; that awareness was killing my soul.”

Her solution was to increase her travel adventures and consulting work, which led to 95% of her time involving direct care of patients instead of 50% otherwise, she said.

Returning to UGA in 2001 for the non-traditional PharmD program gave her another opportunity to upgrade her pharmacy credentials while still working in a psychiatry practice. She then spent several years as a consultant psychiatrist with various hospitals and clinics. Her next major career change was to become a contract psychiatrist at Fort Stewart, Georgia, working with wounded soldiers, especially those with post-traumatic stress disorder (PTSD).

PTSD is described as a mental health condition that is triggered by a terrifying event — either experiencing it or witnessing it. Symptoms may include flashbacks, nightmares and severe anxiety, as well as uncontrollable thoughts about the event. Many people who go through traumatic events have difficulty adjusting and coping for

a while, but with time and good self-care, they usually get better. But if the symptoms get worse or last for months or even years and interfere with functioning, the patient may have PTSD. Getting effective treatment after PTSD symptoms develop can be critical to reduce symptoms and improve function.

Post-traumatic stress disorder treatment can help the patient regain a sense of control over his or her life. The primary treatment is psychotherapy, but often includes medication, both within Hunter's area of expertise. Combining these treatments can help improve symptoms, teach patients skills to address symptoms, help the patient feel better, and learn ways to cope if any symptoms arise again. Psychotherapy and medications combined can also help reduce the development of other problems, such as depression, anxiety, or misuse of alcohol or drugs related to the traumatic experience.

"PTSD is not limited to military personnel but extends to civilians who have faced abuse or trauma and who have been victims of natural disasters," she noted.

"This period of my career presented a steep learning curve, both challenging and rewarding in new ways, especially through experiencing the emotional relationships and camaraderie that develop in the military community. Some soldiers found they could speak easier to non-military personnel, like me, and others only to military doctors who could relate to the military lifestyle. I had to assure them that I was there to listen to whatever they had to say, without judgment."

Her current job of counseling veterans via telepsychiatry resulted from her contractual experiences working with active duty military in Fort Stewart and in Savannah. At the conclusion of her Georgia contract in 2013, she accepted a new contract with Veterans Affairs as a telepsychiatrist serving veterans living in the remote Black Hills communities in the Fort Meade and Hot Springs areas of South Dakota.

Four local psychiatrists and two telepsychiatrists treat outpatients in local clinics and inpatients in a 10-bed psychiatric unit within the Fort Meade VA Hospital. The residential treatment facility provides for more intensive treatment of substance use disorders and PTSD. In the residential treatment setting, patients receive therapy/counseling daily for several weeks. Hunter sees from six to nine patients each day, providing medication management and therapy and sharing call on weeknights and weekends.

In order to provide psychiatric services via telepsychiatry, a good assistant is required on that end, she noted, to guide patients into a room and operate the computer equipment that connects the patient with the psychiatrist. The psychiatrist enters notes, orders, and prescriptions into the electronic medical records over the computer. Patients can pick up prescriptions that are needed right away at the pharmacy closest to their physical location.

"Telepsychiatry as a counseling tool is only a few decades old so I was intrigued by the unique aspects of the job, namely



Hunter takes a work break outside her Hiawassee home.

communicating with patients through my computer, either from my home in Maryland, the family farm in Hiawassee or anywhere else," she said. "Most of my patients had never had any experience communicating over a computer and the lack of personal contact created an unusual counseling experience that took some adjustments in the beginning. For example, I could observe their clothing and their gait for signs of drug and alcohol use, but could not smell their breath to determine the accuracy of my observations."

PTSD patients tend to bury their trauma through alcohol and drug use, she said, adding that counseling and medications are often used in combination to help calm symptoms and tolerate counseling. Multidisciplinary treatments, such as physical therapy, occupational therapy, and recreational therapy, are also provided to veterans to help them regain some quality of life and healing.

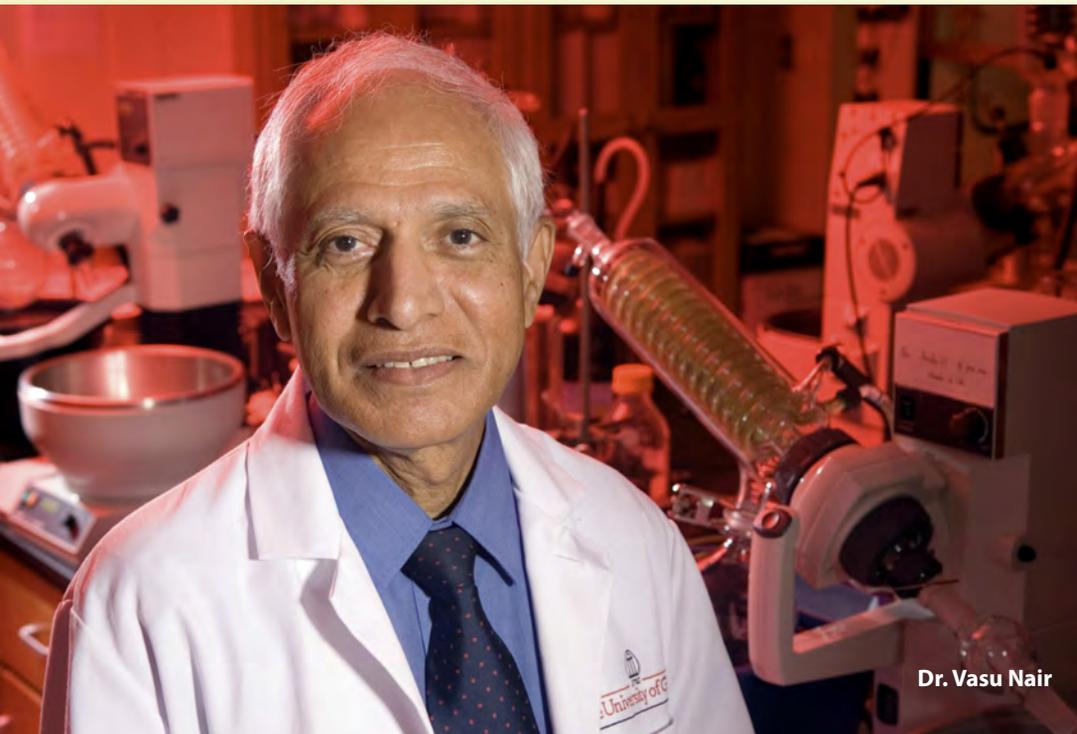
Many vets experience failed marriages and high suicide rates. Army statistics have shown that 65 percent of active-duty suicides, which now outpace combat deaths, are precipitated by broken relationships. Vets make up 7 percent of the United States population, but account for 20 percent of its suicides, and children and teenagers of a parent who has committed suicide are three times more likely to kill themselves.

"I work with a variety of veterans, from the Native American veterans who have customs and religious beliefs -- and problems -- that are very different from the general military population, to younger veterans of the more recent wars of the Middle East and older veterans of the Vietnam and Korean Wars. Each is unique in his or her own way."

"Being a telepsychiatrist appeals to my non-traditional nature and offers unique career challenges. I can see staying with this job for a long time," she added. "I continue to enjoy the benefits of the pharmacy background, and I cannot emphasize enough my gratefulness for what the study of pharmacy has done for me through the years." 🐾

UGA researchers discover potential treatment for drug-resistant tuberculosis

By James Hataway, UGA Science Writer



Dr. Vasu Nair

Researchers at the University of Georgia have developed a new small molecule drug that may serve as a treatment against multi-drug resistant tuberculosis, a form of the disease that cannot be cured with conventional therapies. They describe their findings in a paper published recently in *Bioorganic and Medicinal Chemistry Letters*.

Nine million people contracted tuberculosis in 2013, and 1.5 million died from the disease, according to the World Health Organization. While standard anti-TB drugs can cure most people of *Mycobacterium tuberculosis* infection, improper use of antibiotics has led to new strains of the bacterium resistant to the two most powerful medications, isoniazid and rifampicin.

"Multi-drug resistant TB is spreading rapidly in many parts of the world," said Vasu Nair, Georgia Research Alliance Eminent Scholar in Drug Discovery in the UGA College of Pharmacy and lead author of the paper. "There is a tremendous need for new therapies, and we think our laboratory has developed a strong candidate that disrupts fundamental steps in the bacterium's reproduction process."

Just like other living organisms, the genetic information contained in *M. tuberculosis* undergoes a complex process known as transcription in which the bacterial enzyme, DNA-dependent RNA polymerase, or RNAP, produces TB RNA. This molecule is involved in processes that produce critical bacterial proteins that the organism needs to survive.

The compound Nair and his colleagues developed works by binding to magnesium and specific amino acids found within the bacterium, interrupting the production of RNA.

"The compound we developed strongly inhibits the growth of the bacterium and renders it incapable of reproducing and spreading infection," Nair said. "More importantly, the compound shows very low levels of cytotoxicity, which means that it is not harmful to the body."

The research team members also performed extensive studies to determine if their newly developed compound had an appropriately long half-life and could be cleared from the body through normal biochemical mechanisms.

"All our tests were very favorable," Nair said. "The half-life is a little over 14 hours, and all traces of the drug are expected to be cleared through normal bodily functions."

While Nair and his colleagues were pleased with their new compound, they were surprised to discover through preliminary experiments that it also exhibited strong anti-HIV properties, opening the door for dual therapeutic applications.

A dual-purpose drug would be a windfall for clinicians, because the risk for developing TB is between 26 and 31 times greater in people living with HIV than those without HIV infection, according to the WHO.

"This discovery of dual activity against both retroviruses and drug-resistant gram-positive bacteria is unique and opens a new chapter in drug discovery in this area," Nair said.

Innovation Gateway, UGA's technology licensing office, is seeking commercial partners to help develop this drug. A license would include humanitarian licensing terms to help ensure access to the drug by people in need at an affordable cost.

Nair's research was supported by the National Institutes of Health. 

Researcher Studies Prostate Cancer Outcomes Using NCI Database

By Sheila Roberson



Ewan Cobran takes cancer personally. In 2008 his grandfather died from prostate cancer; in the same year his grandmother died after being diagnosed with a very aggressive stage 4 breast cancer that metastasized into her bones.

"That's when I decided to devote my career to studying cancer outcomes and which factors can serve as barriers or facilitators to those outcomes," said Cobran, an assistant professor in the University of Georgia College of Pharmacy's Department of Clinical and Administrative Pharmacy. Cobran completed two years of postdoctoral work at the University of North Carolina Lineberger Comprehensive Cancer Center – Chapel Hill (UNC) before joining the College of Pharmacy faculty in 2014.

Recently he was selected as one of 94 national researchers to attend a competitive, two-week course as a 2015 National Institutes on Minority Health and Health Disparities (NIMHD) Translational Health Disparities Scholar. In addition to providing a translational approach to health disparities research, the course offered a cross-disciplinary perspective in the field to inform innovative research practice and policy intervention. Cobran was also honored recently as one of three area researchers to receive pilot project funding for a Georgia Regents University Cancer Center/American Cancer Society Institutional Research grant.

Cobran is studying the relationship between Androgen Deprivation Therapy (ADT)-associated comorbid health conditions, survival, and whether these health conditions vary by race and ethnicity for males with advanced prostate cancer. His research directly addresses the burdens of racial disparities in prostate cancer outcomes by evaluating whether minority males are at higher risk of treatment-related comorbidity and the impact on survival.

"It used to be that the standard of care for prostate cancer radiation therapy was a general injection of radiation that killed both good and bad cells. Now computer mapping allows for a higher dose of radiation to be delivered to the prostate safely as compared to the previous technology," he said. "Subsequent data studies will tell us whether traditional or innovative methods show the best results in different populations."

A study he conducted at UNC and recently published in the American Journal of Men's Health looked at racial differences when a particular type of treatment, called diffusion of intensity-

modulated radiation therapy (IMRT), is used for localized prostate cancer. IMRT, Cobran noted, is an innovative treatment option for prostate cancer that has rapidly become a standard treatment over the past decade.

"Using the National Cancer Institute's (NCI) Surveillance, Epidemiology and End Results (SEER) database, linked with Medicare claims of 947 African American (AA) males and 10,028 Caucasian (CA) patients diagnosed with localized prostate cancer, we examined potential differences in diffusion of IMRT while adjusting for socioeconomic and clinical covariates. We found that a significantly smaller number of AA patients received IMRT but racial differences did not achieve statistical significance," he said. "The next step was to examine improved access to IMRT and technology that could reduce racial disparities in cancer care."

Cancer treatment in small hospitals and rural areas, for example, might affect cancer outcomes due to access to care issues, such as demographics and the economic availability of treatment, he noted.

"Access to care is a major factor in innovative treatment," he added. "As a field, cancer treatment outlines are more personalized and specific to individuals based on family history and genetics. It is now important to shed light on access to care and how lack of treatment impacts racial differences."

He is also studying the side effects of radiation therapy in males.

"Unfortunately the cure can cause serious health problems," said Cobran. "Cardiovascular problems, diabetes and myocardial infarction can surface as radiation therapy progresses. So we're looking at racial disparities and also survivorship and risks of the diseases associated with treatment."

By using the national data base that records males who have been diagnosed with cancer he expects to learn which factors impact survivorship and other diseases.

"Is it the dose of radiation, genetic factors, predisposition to diabetes or cardiovascular disease, age, or other factors?" he asked, noting that every bit of information gained leads scientists to developing a continuum of care for patients. 📧

PHARMACY SITE IN AUGUSTA TO BE UPGRADED

A \$3.7 million renovation of the pharmacy building at Georgia Regents University won approval on August 12 from the University System of Georgia's Board of Regents.

The University of Georgia's pharmacy program has occupied the building since 1972 because it provides interdisciplinary training for students and the opportunity for researchers to work with actual patients. UGA will take over the rest of the building after the renovation.

Included in the first phase will be a new roof, upgrades to plumbing and electrical systems and improvements to a few areas that are already occupied. A second phase will rehab the rest of the occupied space to permit labs to move from the Charlie Norwood VA Medical Center to the pharmacy building.

The approval means design work can begin with construction to follow.

College's Savannah Campus Earns Accreditation

The University of Georgia College of Pharmacy's accreditation for its Doctor of Pharmacy program has now been affirmed for its extended Southeast Georgia campus located at the St. Joseph's/Candler Health System in Savannah.

The campus at St. Joseph's/Candler becomes the third accredited location for the college's 2+2 program, where Doctor of Pharmacy students study in Athens for the first two years of pharmacy school and finish their degree requirements with two years of training in one of four geographic areas: Athens or the extended campuses in Savannah, Augusta or Albany.

The Accreditation Council for Pharmacy Education granted the program accreditation at its recent meeting.

The Savannah program began in May with a group of 21 fourth-year Doctor of Pharmacy—or Pharm.D.—students who began their final clinical year on the campus. Six third-year students began this August.

"This is a wonderful place to do pharmacy. There are so many advanced training opportunities here. We are looking really forward to this," said Svein Øie, UGA College of Pharmacy Dean.

The program will grow to full implementation over the next several years and is expected to have 30 students in both the third and fourth years of study for a total of 60 students in Savannah, according to Ray Maddox, assistant dean for the Southeast Georgia campus.

The College employs five faculty members and one staff member in Savannah to support the program. Additionally, a number of advanced practice clinical pharmacists are adjunct faculty for the college.

"These Pharm.D. students will receive additional benefit from greater opportunities for interprofessional education collaboration with medical students from Georgia Regents University Medical College of Georgia who have an adjacent campus at St. Joseph's/Candler," Maddox said. "Both (colleges) stress to their students the importance of teamwork and interdisciplinary collaboration in the care of patients. Clinical training for nursing students and other allied health professionals on the St. Joseph's/Candler campus further strengthens the interdisciplinary delivery of high-quality health care."

Working with higher education to develop medical professionals in Savannah has been a priority for St. Joseph's/Candler in the past few years.

"Georgia's need for pharmacists, doctors and other health care professionals is growing as the demand for health care escalates," said Paul P. Hinchey, president and CEO of St. Joseph's/Candler. "Having these students here is a boon to Savannah, and it gives them a good look at our wonderful community and the modern medical environment we provide. We believe they will want to spend their careers here."



Left to right: Standing: Jessica Marshall (P-3 student), Chris Bland, Ken Duke, Hal Richards and Ray Maddox (faculty), and Joe Angellini and Brooke Jones (P-3 students). Sitting: Tricia Cordray (administrative assistant), Dustin Orvin and Chelsea Bryan (P-3 students); and UGA X (Que).

In the 2+2 program, Pharm.D. students make their site selections at the time they are admitted to pharmacy school and are guaranteed placement in that area for their third and fourth years of pharmacy practice experiences. An advantage for students is the ability to plan their housing needs in advance of the final two years of pharmacy school. In addition, the 2+2 program decentralizes students in their third year, giving them more and easier access to patients, more individual time with faculty and more interactions with other health profession students.

The College of Pharmacy and St. Joseph's/Candler have collaborated for many years in the clinical education of pharmacy students. In addition, the college supports eight postgraduate residencies at St. Joseph's/Candler that give advanced clinical training and specialty practice credentials in critical care and emergency medicine for graduates. This program is likely to grow over the coming years, Maddox noted.

The benefits to the Savannah community will also be felt with the housing, sustenance and recreation requirements of up to 60 semi-permanent students and their families, along with the program's accompanying faculty and staff.

"The University of Georgia is proud to be a member of the Savannah community and to actively participate in the care of residents who are patients in its health care facilities," Maddox said.

"Anytime we bring more medical education and healthcare education to this area, it benefits us. The students who are involved here will be involved in our community, that will help our community, and it will help our medical community especially," said Georgia Congressman **Buddy Carter ('80)** of Pooler.

Zellmer Presents 2015 Kenneth L. Waters Lecture

“The Perils of Ignoring Pharmacy’s Deepest Threat” was the topic of the 2015 Kenneth L. Waters Lecture, which was presented by William A. Zellmer, B.S. in Pharmacy, M.P.H.

Zellmer has served for nearly 40 years on the staff of the American Society of Health-System Pharmacists (ASHP) in various capacities, including Deputy Executive Vice President and as Editor of American Journal of Health-System Pharmacy (AJHP). He currently serves as a consultant, writer, and speaker on strategic and professional issues in pharmacy practice and education, reflecting a career-long interest in advancing pharmacy as a vital health professional. Based on his writings and lectures, many have called him a thought leader on issues facing the profession of pharmacy.

He holds appointments as Contributing Editor of AJHP and Historian with ASHP; he also serves as project director for the annual Pharmacy Forecast report issued by the ASHP Foundation. He is President of the American Institute of the History of Pharmacy, an elected volunteer position.

Some of Zellmer’s AJHP editorials were compiled in 2002 in a book entitled, *The Conscience of a Pharmacist—Essays on Vision and Leadership for a Profession*. In 2011, he co-edited a book of essays by pharmacists entitled, *Nourishing the Soul of Pharmacy—Stories of Reflection*.

Zellmer recently served as co-chair of the Working Group on Pharmacist Ethics and Professional Autonomy of the



William Zellmer shows off the julep cup he received as the Waters lecturer.

International Pharmaceutical Federation (FIP), whose report, “Pharmacist Ethics and Professional Autonomy: Imperatives for Keeping Pharmacy Aligned with the Public Interest,” is available as an official reference document from FIP.

Among the recognitions he has received are an honorary Doctor of Science degree (Northeast Ohio Medical University, 2011), an honorary Doctor of Humane Letters degree (Western University of Health Sciences, 2011), the Harvey A. K. Whitney Lecture Award (ASHP, 1996), and the Donald E. Francke Medal (ASHP, 2009).



Student leaders, from left, Alia Reid, Megan Wilson, Deven Jackson and Beau Sinyard, join William Zellmer for lunch before the lecture.

Zellmer is a native of Wisconsin and a pharmacy graduate of the University of Wisconsin-Madison. He completed an ASHP-accredited pharmacy residency in the U.S. Public Health Service, and he holds a Master of Public Health degree from The Johns Hopkins University.

The Kenneth L. Waters Lecture Series was started in 1982 to honor the late Dean Emeritus Kenneth L. Waters, who was dean of the College from 1948 until his retirement in 1977. The purpose of the lecture series is to bring nationally and internationally known leaders in pharmacy to the UGA campus and to recognize Waters’ outstanding accomplishments and contributions as dean.

Three UGA College of Pharmacy Faculty Are Named Fellows



May

Three faculty at the University of Georgia College of Pharmacy- **Dianne May, David DeRemer** and **Christopher Bland** - were recently named Fellows of national organizations. DeRemer and Bland are full-time faculty of the Department of Clinical and Administrative Pharmacy (CAP). May is full-time faculty shared between CAP and the Division of Experience Programs.

May, a clinical professor, and DeRemer, a clinical associate professor, were named Fellows of the American College of Clinical Pharmacy (ACCP). Fellowship in the professional society recognizes excellence in the practice and science of clinical pharmacy. Achieved by less than 5% of the ACCP membership, this top award is bestowed to individual members who have demonstrated sustained contributions to the organization and exceptional performance in clinical practice and /or research. May and DeRemer will be recognized as Fellows (FCCP) at the ACCP Global Conference Awards Ceremony in San Francisco in October 2015; both maintain their practice sites at the Georgia Regents University campus in Augusta.

May's professional interests include drug information, drug policy/formulary management, drug literature evaluation, gastroesophageal reflux disease, and adverse drug reaction monitoring/reporting. She is currently the incoming Chair for the ACCP Drug Information PRN. She has been a board certified pharmacotherapy specialist since 1999 and joined the faculty full time in 2009.



DeRemer

DeRemer's research interests include bone marrow transplant, clinical/translational research, hematologic malignancies, and supportive care. Last year he was the recipient of the Best Paper Award at the American College of Clinical Pharmacy (ACCP) meeting in Austin, Texas. He is the Chair-Elect for the ACCP Hematology/Oncology PRN. He is a Board Certified Oncology Pharmacist (BCOP) and director of the GRU-UGA PGY2 Oncology Residency Program. DeRemer joined the faculty in 2006.

Clinical Assistant Professor Christopher Bland was named Fellow of the Infectious Diseases Society of America (FIDSA). The Infectious Diseases Society of America represents physicians, scientists and other health care professionals who specialize in infectious diseases. Its purpose is to improve the health of individuals, communities, and society by promoting excellence in patient care, education, research, public health, and prevention relating to infectious diseases. Fellows represent those who have achieved professional excellence and provided significant service to the profession of infectious diseases. Only four pharmacists nationally achieved fellow status this year.



Bland

Bland's major interests include critical care, infectious diseases, drug dosing in obesity and antimicrobial stewardship. He is recipient of the Department of the Army Commander's Award for Civilian Service, 2015; Georgia Society of Health System Pharmacy (GSHP) Best Paper Describing a New Pharmaceutical Care Service award, 2013; Ralph D. Arnold Army Pharmacy Research award, 2012; and a Board Certified Pharmacotherapy Specialist (BCPS), 2003-present. He was University of Georgia College of Pharmacy Preceptor of Year, 2005-06; he is located at the College's Savannah campus and joined the faculty in 2015.

Welch Named Distinguished Young Pharmacist

Lindsey H. Welch has been named the 2015 Distinguished Young Pharmacist of the Year in Georgia. The prestigious award was conferred on the Watkinsville pharmacist at the recent meeting of the Georgia Pharmacy Association.

Welch has been employed at University of Georgia College of Pharmacy for five years. She graduated from University of Georgia College of Pharmacy in 2008 with a Doctor of Pharmacy degree.

The Distinguished Young Pharmacist of the Year award is presented annually to a pharmacist in each state for individual excellence and outstanding contributions in state pharmacy association activities, community affairs and in professional practice. The award is sponsored by Pharmacists Mutual Companies.



Lindsey Welch with Hutton Madden of Pharmacists Mutual

Vasu Nair Symposium Celebrates His Tenure and Retirement



The College of Pharmacy hosted the Nair Symposium in November in honor of the retirement of Vasu Nair, associate dean for research at the College of Pharmacy.

Nair is the William Henry Terry, Sr., Chair and GRA Eminent Scholar in Drug Discovery, and Director of the UGA Center for Drug Discovery. He was also former Head of the Department of Pharmaceutical and Biomedical Sciences. Nair

received his Ph.D. degree at the University of Adelaide, Australia, in natural products chemistry. After postdoctoral training at the University of Illinois, Urbana, and at Harvard University, where he worked with Nobel Prizewinner R. B. Woodward, he joined the faculty at the University of Iowa (UI) and rose to the rank of Professor of Chemistry in 1980 and UI Foundation Distinguished Professor in 1993. He joined the UGA College of Pharmacy faculty in June 2002.

Nair's research work for the last 35 years has been funded by numerous extramural grants, largely from the NIH and other federal agencies, and has totaled many millions of dollars. This

research work has focused on cell signaling and drug discovery targeted against infectious diseases caused by DNA and RNA viruses and gram-positive bacteria.

The Nair Symposium began at the completion of the 2015 UGA Conference on Drug Discovery. The day-long CDD conference featured three plenary speakers, and postdoc entries. Plenary speakers were:

- Dr. P. Jeffrey Conn, Lee E. Limbird Professor of Pharmacology and Director of the Center for Neuroscience Drug Discovery, Vanderbilt University. "Allosteric modulators of GPCRs as a novel approach for treatment of CNS disorders." Co-sponsored by the UGA Neuroscience Program;
- Dr. Kim Lewis, Distinguished Professor in the Department of Biology and Director of the Antimicrobial Discovery Center, Northeastern University. "The Quest for Novel Antibiotics." Co-sponsored by the UGA Department of Infectious Diseases; and
- Dr. John L. Magnani, Chief Science Officer and Vice President of GlycoMimetics Inc. "Glycomimetic Drugs: An Untapped Source of Novel Therapeutics Now in Clinical Trials for Hematologic Malignancies." Co-sponsored by the UGA Cancer Center.



White Coat Ceremony Welcomes New Pharmacy Class

The University of Georgia College of Pharmacy welcomed 145 new students into the Class of 2019 with its annual White Coat ceremony. At the fall event all new students received white lab coats to mark the beginning of their pharmacy careers.

College of Pharmacy Alumni Council president **James Holley ('95, '96)** was keynote speaker. Pharmacy coordinator **Clinton Cain ('74)** represented Kroger Pharmacy as sponsor of the event. Alumni Council members **Andre Mackey ('88)** and **John Drew ('93, '95)** helped the incoming students receive their white coats.

Of the Class of 2019's 145 members, 66.7 percent are female, 31.9 percent are minorities, 50.7 percent have a bachelor's degree or higher, 45.1 percent previously attended UGA, and 6.9% are out-of-state. The grade point average is 3.43, with an average Pharmacy College Admission Test (PCAT) score in the 80th percentile.

Entering Pharmacy Students Attend Week-long Boot Camp

The 145 entering students at the University of Georgia College of Pharmacy recently completed a five-day Rx Dawgs Boot Camp designed to prepare them for pharmacy school and their future as pharmacists.

"This boot camp was the first week-long program designed to help students develop a sense of professionalism early in their academic careers, ease the transition from undergraduate school to pharmacy school and allow them the opportunity to interact with faculty before school began," said Ashley Hannings, public service assistant and boot camp coordinator.

The highlight of the week was the Rx video project in which teams of students demonstrated what they learned about the Rx Dawgs professionalism policy and what it means to be a student pharmacist in a creative way, added Hannings.

Other important principles addressed during boot camp were multitasking and learning strategies, stress and time management, financial planning and management, strength finder assessments, group dynamics and effective feedback, and ethics in healthcare and ethical information sharing. An introduction to substance abuse, case-based problem solving and generational differences were also presented by college faculty. A social component on professional etiquette and attire was included.

The program will continue annually and be revised as needed based on student and faculty feedback. Evaluations from first year students were positive overall and indicated that being able to work with classmates during the program helped foster camaraderie within the class, according to Hannings.

OUR AMAZING STUDENTS

- Lambda Kappa Sigma was awarded the Southern Collegiate Chapter of the Year at the national convention.
- Every student group participated in the 14th annual Dawgtoberfest:Rx for Good Health; 129 flu shots were given, 56 point-of-care tests were done, and over 200 people visited the health information booths.
- Christian Pharmacists Fellowship International hosted a dinner for the College custodians.
- Carrie Parker is one of 16 national pharmacy students to receive the EPIC Rx grant, awarded to students interested in practicing independent pharmacy.
- Student Oncological Advocates in Pharmacy organized a Red Cross blood drive for October and is currently organizing the annual Tina Borg Classic 5K for February 2016 to support cancer research; 100% of the proceeds are donated to Winship Cancer Institute in Atlanta. Last year, SOAP raised over \$5,000 through the 5K.
- The annual Farm Workers program had a record number of student participants for 2015 -- 17 3rd-year students and one 4th-year student. A total of 634 people (265 children in the summer school and 369 workers in the camps) received health care assistance.

Rx for success: New fellowship takes pharmacy student to D.C.

by Caulder Childs, Georgia magazine

UGA pharmacy student Dustin Orvin spent the summer on Capitol Hill, thanks to a fellowship program created by Congressman **Buddy Carter ('80)**. Carter is the only pharmacist in Congress, and he created the UGA Pharmacy Fellowship Program to share his experience with the next generation of pharmacists.

"I know firsthand that decisions made in Washington will directly impact the future of their careers, and they need to be aware and educated," he says. "There is no better place to educate themselves on the policies that directly impact pharmacy than Capitol Hill."

Orvin is the inaugural fellow for the program, the first of its kind. The third-year pharmacy student came to Capitol Hill having extensively studied the FDA's drug approval process and drug development guidelines in his coursework on campus. While in Carter's office, Orvin was charged with analyzing key pharmaceutical

and health care policy initiatives from the perspective of a practitioner.

Carter, who's serving his first term with the U.S. House of Representatives, brings a breadth of experience in pharmacy and health care policy. He has owned and operated a community pharmacy for more than 30 years, and common-sense pharmacy has been a hallmark of his career. Carter was mayor of Pooler before serving in the Georgia General Assembly, where he advocated for smarter laws to tackle Georgia's prescription drug problems through the creation of the Prescription Drug Monitoring Program.

He joined the 114th U.S. Congress in January, representing Georgia's 1st Congressional District. During his short time in the House, Carter has become co-chair of the Community Pharmacy Caucus as well as a member of the Republican Study Committee's Health Care Task Force.

"While I'm the only pharmacist in Congress now," he says, "I hope that is not true for long!"



Buddy Carter

New Scholarships Awarded

Fourteen new scholarships were awarded to students at the College of Pharmacy's Scholarship Ceremony this fall. A total of 82 scholarships were distributed to 144 pharmacy and graduate students, totaling a record \$229,750 in student support.

The new scholarships and recipients were:

TOMMY AND PATSY BRYAN INDEPENDENT PHARMACY SCHOLARSHIP is designated to second, third and fourth year students with a great desire to practice independent pharmacy. The recipients were Megan Ann Cox and James "Jimmy" Franklin Johnson III;

CARDINAL HEALTH GRANT FOR PHARMACY SCHOLARSHIP is given to a student with a GPA of 3.0 or higher and who has an interest in pursuing a pharmacy career in community pharmacy, especially independent ownership. The recipients were Garrett Matthews and Allison McCall Porter;

SHARON B. DEASON ENDOWED STUDENT SCHOLARSHIP is presented to third or fourth year students who are actively involved in community pharmacy programs. The recipient was Seungeun Jessica Lee;

HAROLD B. HODGSON JR. LEADERSHIP SCHOLARSHIP is given to a student pharmacist who exhibits strong leadership qualities and a desire to be actively involved in the pharmacy profession. The recipient was Benjamin "Ben" Jared Albrecht;

GEORGIA SOCIETY OF HEALTH-SYSTEM PHARMACISTS SCHOLARSHIP is awarded to a student member of the organization who exhibits great leadership potential and high academic achievement. The recipient was Dustin Lawrence Orvin;

ANDRE MACKEY SCHOLARSHIP FUND is awarded to a student interested in community pharmacy and involved in professional and

student organizations and works part time in preparation for a career in pharmacy. The recipient was Tu Trinh Tran;

AMY AND GLENN MORGAN ENDOWED STUDENT SCHOLARSHIP is dedicated to students who are new to the University of Georgia when they arrive at the College of Pharmacy. The recipient was Lillian Danae Ôtieno;

W. ALLEN AND HELEN LOW PARTRIDGE ENDOWED STUDENT SCHOLARSHIP is awarded to a second, third, or fourth year student with a great interest in practicing independent community pharmacy and high academic achievement. This year's recipient was John Tyler Young;

SOLOMONS ENDOWED STUDENT SCHOLARSHIP is given to a second, third, or fourth year student who resides in Savannah or one of the surrounding counties. The recipient was Caroline Megan Sutton;

DANA E. STRICKLAND ENDOWED STUDENT SCHOLARSHIP is an endowed scholarship established by **Dana Strickland ('81)** to support students who have an interest in community pharmacy practice, pharmaceutical industry or pharmacy external affairs. The recipient was Dakotah Hall Mallery;

KENNETH M. WARD MEMORIAL SCHOLARSHIP sets academic achievement of at least a "C" average. The recipient was Bliss Alayne McMichael;

KEVIN AND TANYA WOODY STUDENT SCHOLARSHIP is provided to a student in good academic standing who incorporates spirituality into his or her everyday life. The recipient was Ebonne Ada Ugbo; and

JAMES L. YOUNGBLOOD SCHOLARSHIP is awarded annually to deserving students in the College of Pharmacy as selected by the Scholarship and Awards Committee. The recipient was Sean Christopher Hawkins.

Sonny and Ben Ross Create Endowed Student Scholarship

Every morning, **Dr. Ben Ross ('08)** wakes up passionate about the work he puts forth towards pharmacy and looks forward to the challenge of running his independent drugstore, Forrest Heights Pharmacy, in Statesboro, Georgia. Ross is a proud University of Georgia College of Pharmacy graduate along with his wife, Lauren, who attended UGA as well. They hope to see their two daughters, Lanie and Lucy Kate, continue to carry on the tradition of being a bulldog.

The Sonny and Ben Ross Endowed Student Scholarship was created in honor of Ross's father, Sonny, who was a huge inspiration and motivator to Ross and a 1973 College of Pharmacy graduate. Ross says, "I've always viewed the University of Georgia as the best college in the nation, and I want to do my part to continue that tradition of excellence."

The College played an integral part in where he is today and he is grateful for the opportunities he has received and wants to be able to give back. His purpose with this endowment is to provide financial assistance and inspiration to pharmacy students as well as to help the University of Georgia continue to be recognized as one of the top schools in this field.



Ben ('08) and Sonny ('73) Ross

Ben's success as a pharmacist is recognized in many ways, including being selected by the Statesboro Herald in 2012 for the Top 20 Professionals Under 40; he was the South University School of Pharmacy's Preceptor of the Year for the Class of 2011, the former Executive Chair for the Bulloch County Drug Free Coalition, and a current Board Member for YoungLife of Statesboro and the Statesboro Chapter of the UGA Alumni Association. He encourages current students to not get too bogged down in the rigorous workload, but to get involved in Athens and the university and enjoy the ride.

Cardinal Health Endows Student Scholarship

Cardinal Health graciously began the Cardinal Health Endowed Student Scholarship in order for the University of Georgia College of Pharmacy to seek out and assist individuals financially who intend to continue the tradition of independent pharmacy ownership.

Headquartered in Dublin, Ohio, Cardinal Health, Inc. is a \$91 billion health care services company that improves the cost-effectiveness of health care. Cardinal Health helps pharmacies, hospitals, ambulatory surgery centers, clinical laboratories and physician offices focus on patient care while reducing costs, enhancing efficiency and improving quality. Cardinal Health is an essential link in the health care supply chain, providing pharmaceuticals and medical products and services to more than 100,000 locations each day and is also the industry-leading direct-to-home medical supplies distributor. The company is a leading manufacturer of medical and surgical products, including gloves, surgical apparel and fluid management products. In addition, the company operates the nation's largest network of radiopharmacies that dispense products to aid in the early diagnosis and treatment of disease. Ranked #26 on the Fortune 500, Cardinal Health employs 34,000 people worldwide.

When asked what inspired the company to donate to the College they replied, "We choose pharmacy schools that show a commitment to advancing the independent pharmacy profession."

The UGA College of Pharmacy has produced many very successful businessmen and women who are now owning and operating their own independent pharmacies throughout the Southeast. The College continues to invest in state of the art facilities and technologies to assure their graduates are ready to



Dusty Muck, Jeff Price ('86), Dean Svein Øie, Dana Strickland ('81)

enter the work force after graduation and begin making a difference right away." Cardinal Health encourages all students who have an entrepreneurial spirit or the desire to impact patients' lives to consider the realistic option of independently owning a pharmacy. Cardinal Health has decades of expertise in community pharmacy and can help guide students through the process. More information about the company may be found at www.cardinalhealth.com and @CardinalHealth on Twitter.

Proud of Our Alumni

David Leitch ('73) of Atlanta has retired from 40 years of service at Kroger and **Chuck Page ('86)** is assuming Leitch's position as Pharmacy Merchandiser for the South East Kroger Pharmacy division in Atlanta.

A Word From Andre Mackey ('88)

Alumni Association President



On October 17, 2015, during the Homecoming Tailgate at the College of Pharmacy, I was inducted as president of the Alumni Association for one of the best pharmacy schools ever. What a huge honor. I am extremely proud to be representing the University of Georgia College of Pharmacy alumni.

So let me tell you a little about myself. I am a native of Bainbridge, GA, now residing in Avondale Estates, GA and I am a 1988 graduate of the College of Pharmacy. As hard as it is for me to believe, I have been a pharmacist for over 27 years, spending most of that time with some version of the same company. I spent over a decade as a District Pharmacy Supervisor for the large pharmacy innovation company with three letters in its name, managing districts in South Metro Atlanta, Southwest Georgia and West Georgia. Four years ago, I took action on something I realized some years prior—that my true passion was in the day-to-day interaction with patients. I truly missed how gratifying it was to help someone along their healthcare journey, using the strong foundation I gained here at UGA to make them better. So I made the decision to do just that. I could not be happier. I am reminded every day how fortunate we are to have received such a quality education at the University of Georgia College of Pharmacy. Because of my appreciation for all this profession has meant to me, I have recommitted myself to continuing to find ways to give back, not just to our profession, but to this great institution which has been so instrumental in any success I may have been blessed with. I hope you too are proud of this place and that you realize how special your UGA experience is. It would be great if we all could find ways to honor that pride and to help ensure the next generation will be just as proud.

Well how should you start? I'm glad you asked. Why not start by just coming home every now and then. If you missed the Homecoming Tailgate, you missed a treat. In addition to the nice spread of food, we had a live band and dancers. There were class reunion celebrations, and a short ceremony where we recognized two distinguished alumni. Michael Azzolin received the Distinguished Alumnus Award and Jeff Jowdy received the Distinguished Service Award. I was inducted as the new Alumni Association President, taking the reins from Jim Holley, who had a great two-year tenure. Thanks Jim for leaving a balanced budget and no new taxes (my attempt at a joke...lol). And yes, our football team gave us a 9-6 win over Missouri. Go Dawgs!!!

It is always good to come back and see classmates, former professors (yes, some of mine are still here from the 80's), see children of classmates who are now in pharmacy school or reminisce about classes in the RC Wilson Building. That building holds a special place in my heart not only because it was built the year I was born, but all of my classes were there. It has been well preserved and it complements the new Pharmacy South Building well. So come home and take pride in all the wonderful things happening at the college. As an Alumni Council member and as a member of the Comprehensive Campaign Board, I am fortunate to be able to return to campus several times a year. It warms my heart each time I return. I take in all that the College is doing and it always renews my resolve to represent my alma mater well in all that I do both professionally and personally.

It's okay if you have not yet decided how you want to reconnect with your alma mater. You will be hearing from me at least quarterly, keeping you abreast of what's happening and sharing some things with you that I hope will continue to make you proud.

Before I close I'd like to congratulate the following alumni who received recognition at the GPhA convention in June:

Michael Lewis ('96) – Mal T. Anderson Outstanding Region President

Lindsey Welch ('08) – Pharmacist Mutual Distinguished Young Pharmacist Award

Ashish Advani ('07) – Innovative Pharmacy Practice Award

Bruce Broadrick ('76) – Generation Rx Champion Award

Tim Short ('81) – Voted Second Vice President

We would also like to recognize **Dale Coker ('77)** and **Neal Florence ('76)** for their nomination to the Georgia State Board of Pharmacy, best of luck! Lastly we'd like to applaud those celebrating their 50th year as licensed pharmacists: **Max Brown ('65)**, **David Clements Sr. ('64)**, **Jimmy Lawson ('64)**, **Hayden Moye ('64)**, **Butch Parrish ('64)**, **Charles Rinn ('65)**, **Billy Strickland ('65)**, **Marion Wainwright ('65)**, **Flynn Warren ('70)** and **Doug Wilkinson ('65)**.

Best regards,
Andre Mackey ('88)

Homecoming 2015 Highlights

Distinguished awards presented/Alumni leader named

Michael Azzolin ('02) was named 2015 Distinguished Alumnus of the University of Georgia College of Pharmacy at Homecoming festivities. The 2002 Doctor of Pharmacy graduate is the chief operating officer and co-founder of PharmD on Demand, a company that serves as an alternative to 24-hour hospital pharmacy coverage.

PharmD on Demand was featured on the UGA Bulldog 100 list in both 2014 and 2015, ranking as #12 and #23, respectively. Azzolin was also recently honored as a member of UGA's 40 Under 40 Class of 2015, which recognizes exceptional young alumni who are achieving great success in their professional and personal endeavors. Azzolin is only the second College of Pharmacy alumnus to receive that award; the other honored **Jinali Desai ('07)** in 2013, when she was Senior Director of Market Health and Wellness for Walmart.

Aside from his success in business, Azzolin also established the Spruill-Wade-Cobb Fund for Clinical and Administrative Pharmacy. He continues to give back to the College of Pharmacy as a guest speaker at the continuing education series and its entrepreneurial studies class. Azzolin and his wife Stephanie, who live in Bishop, recently expanded their family when they adopted a daughter from China.

Azzolin will serve as the Grand Marshall at the College's 2016 graduation ceremonies next May.



Michael Azzolin ('02), Distinguished Alumnus, and Jeff Jowdy, Distinguished Service

Athenian **Jeff Jowdy** and current resident of Franklin, Tenn., was recognized for Distinguished Service to the College; he received his Bachelor of Arts in Journalism from the University of Georgia in 1983. Jowdy is the owner and President of Lighthouse Counsel Company, a business that partners with nonprofits to help develop and enforce strategies that increase mission awareness, organizational effectiveness and philanthropic support.

Jowdy has been a dedicated supporter of the College of Pharmacy by serving as an advisor to the Comprehensive Campaign Board and using his business experience to help the College of Pharmacy with assessments of fundraising and alumni outreach. He has supported the College through the establishment of the Millicent McKendry Jowdy Endowed Student Scholarship and represents his family at the annual Jowdy Golf Classic, a tournament named after his father that benefits the Albert W. Jowdy Pharmacy Scholarship.



Kim Hamby, Alumni Affairs Director, and Andre Mackey ('88), Alumni Council President

Andre Mackey ('88), a CVS pharmacist who lives in Avondale Estates, was introduced as the new president of the College's 18-member Alumni Council. He will serve in that position until October 2017.

Six pharmacy businesses listed in Bulldog 100

Six businesses owned by College of Pharmacy alumni have been listed in the University of Georgia Alumni Association's 2016 Bulldog 100. This annual program recognizes the fastest-growing businesses owned or operated by UGA alumni. Nearly 400 nominations were submitted for the 2016 list. Ranking the businesses is based on a compounded annual growth rate during a three-year period of 2012, 2013, and 2014.

Businesses of pharmacy alumni listed in the Bulldog 100 are:

Beaumont Pharmacy - Tammy Rogers ('87)

Creative Pharmacist - David Pope ('04)

Gayco Healthcare - Bent Gay ('88)

Myrick Marine Contracting Corporation - James Myrick, Sr. ('70)

PharmD on Demand - Michael Azzolin ('02)

Universal Servo Group - Stewart Bloodworth ('94)

To be considered for the 2016 Bulldog 100, businesses must meet the following requirements:

**The nominated company must have been in business since 2011.*

**The nominated company must have verifiable revenues of \$100,000 or more for the calendar year 2012.*

**The CEO, president, managing partner or owner must be a former UGA student. The owner, a former UGA student, must own at least 50 percent of the business.*

**The nominated company must operate in a manner consistent with the Pillars of the Arch and in keeping with the values and image of the University of Georgia.*

The 2016 Bulldog 100 includes businesses of all sizes and from industries. Of the 100 businesses, 80 are located within Georgia, and only two businesses have made the list all seven years: Mom Corps and Vino Venue/Atlanta Wine School.

LET US HEAR FROM YOU!

Please take a minute to fill out this questionnaire and **mail it to the Editor, College of Pharmacy, The University of Georgia, Athens, GA 30602, or FAX it to Sheila Roberson at 706-542-5269 or email it as an attachment to roberson@rx.uga.edu**. Many of our alumni have inquired about former classmates, so we are trying to keep current information available.

NAME _____ DEGREE and YEAR _____

ADDRESS _____ CITY, STATE, ZIP _____

HOME PHONE _____ E-MAIL _____

BUSINESS PHONE _____ FAX _____

PROFESSIONAL INFORMATION (Employer Name and Address, Job Title, Duties...)

AWARDS AND HONORS _____

FAMILY INFORMATION (Spouse's Name. Is Spouse a UGA Grad? Is Spouse also a Pharmacist? Any Children?) _____

INTERESTS AND HOBBIES _____



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Pharmacy Alumni Society
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ANNOUNCEMENTS

PRINT/ONLINE

Beginning with the Fall 2014 issue of UGARx, we began printing and mailing the magazine only to those alumni donors and friends who have contributed \$500 or more to the College of Pharmacy.

All issues of UGARx continue to be posted on our website (www.rx.uga.edu) for alumni to download and print. We send emails and online notices to everyone about the quarterly postings of UGARx.

If any alumni would prefer to continue receiving a printed copy, please contact Sheila Roberson, director of publications, at 706-542-5303 or roberson@rx.uga.edu.

FAX your Facts

Everyone wants to know what's happening with their classmates but few take the time to mail in the alumni questionnaire at the back of the UGARx. Now you can take the quick and easy way! Just FAX your information to Editor, UGARx, 706-542-5269, or email it as an attachment to Sheila Roberson at roberson@rx.uga.edu. Mail still works too: Editor, UGARx, College of Pharmacy, University of Georgia, Athens, GA 30602. See you in print!



For up-to-the-minute news, log on to Facebook at
The University of Georgia College of Pharmacy

Upcoming CE Programs

Spring 2016 Programs:

Mental Health Symposium
Holiday Inn Express, Athens, GA
February 2-3, 2016
15 hours of CE

The Future of Patient Safety
UGA College of Pharmacy
February 11, 2016, 12-4 pm
4 hours of CE

Southeastern Residency Conference
The Classic Center, Athens, GA
April 28-29, 2016
9 hours of CE

Coming in 2016!

Veterinary Pharmacy CE – 30-Hour Online Certificate Program!

For more information contact the Office of Continuing Education and Outreach by email at pharmce@uga.edu or by phone at 706-542-6232.

For the latest information on College events
and activities, check out our website at:

www.rx.uga.edu