



# Appalachian

## College of Pharmacy

### THE SCRIPT

## ACP HAS VIRGINIA'S HIGHEST NAPLEX® RATE

The Appalachian College of Pharmacy is pleased to congratulate the Class of 2014 for having the highest rate of passage (95.71%) on the North American Pharmacist Licensure Examination® (NAPLEX®) in the state of Virginia. This rate also exceeded the national average for passage of the exam. ACP's Class of 2014 showed exceptional achievement in their NAPLEX® performance, after completing the only accelerated, three-year, Doctor of Pharmacy (PharmD) degree program in the state of Virginia, outperforming students who graduated from more traditional four-year Doctor of Pharmacy programs. Dean Susan Mayhew said "I am extremely proud of the Class of 2014 and I challenge the Class of 2015 to keep up the positive momentum."



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## ACP' DEBUTS NEW COLLEGE WEB SITE

A redesigned web site for the Appalachian College of Pharmacy debuted June 30, 2015 at [www.acp.edu](http://www.acp.edu). Pulp Printhouse of Bristol, Tennessee revamped the web site after extensive consultation with the College's staff, faculty, and students. The redesign is focused on making information for students, applicants, and alumni easier to locate and to facilitate delivery of the College's news and information. College administration wish to thank Mr. Jason McGlothlin, Director of Student Services and Alumni Affairs, who coordinated the site re-design with Pulp Printhouse and college stakeholders.

As part of an expansion of the College's online presence, Instagram, Twitter, and Google+ account have also been created for the college by Mr. McGlothlin.

## STUDENT ACCEPTED INTO PAUL AMBROSE SCHOLARS PROGRAM

Whitney Horn, ACP Class of 2016 student, was notified in early May 2015 that she has been accepted into Paul Ambrose Scholars' 2015 Class of Scholars. The program accepts applicants enrolled in public and clinical health programs and prepares them to plan and implement a local community health project to address a public health concern. Ms. Horn, one of eight nationally selected pharmacy students, will be attending this year's program symposium June 26-28, 2015 in Washington, DC. Ms. Horn noted, "I am very honored to be a Class of 2015 Paul Ambrose Scholars' and look forward to what I will learn from my experience and how I can make an impact on my community." More information on the scholars program can be found here: <http://www.aptrweb.org/?page=scholars>.



## ACP WELCOMES NEW FACULTY AND RESIDENTS

Dr. Kristen Preston, PharmD, is an Eastern Kentucky native, having earned a Bachelor's degree in Biology from the University of Kentucky and a Doctor of Pharmacy Degree in 2003. She has practiced as a hospital clinical pharmacist since 1995, specializing in Critical Care Pharmacy for many of those years. She established a Surgical/Intensive Care Unit Satellite Pharmacy at Pikeville Medical Center in Pikeville Kentucky, as well as one of the few critical care rotation sites in the state. Dr. Preston now practices ambulatory care medicine with United Medical Group, a multi-physician medical practice in Pikeville, Kentucky.

Dr. Ashley Bullard, PharmD, is from Urania, Louisiana, and earned her PharmD from the University of Louisiana at Monroe in May 2015. Dr. Bullard's professional goal is to one day own her own pharmacy and, toward that end, is obtaining more experience in ambulatory care, specialty services, and business management. She also plans to precept pharmacy students when she enters community pharmacy practice. Her practice site is at the TigerRx Pharmacy in Honaker, Virginia.

Dr. Julie Large, PharmD, is a Southwest Virginia native, having earned her Bachelor's degree in Chemistry from the University of Virginia's College at Wise and Doctor of Pharmacy degree from Appalachian College of Pharmacy in 2012. She began her pharmacy career with Rite Aid, but after three years in community pharmacy she seeks clinical experience with more patient interaction. Her practice site is at the Cavalier Pharmacy in Wise, Virginia.



Dr. Ashley Bullard



Dr. Julie Large



Dr. Kristen Preston

# STUDENT WINS NATIONAL PHARMACY ESSAY CONTEST

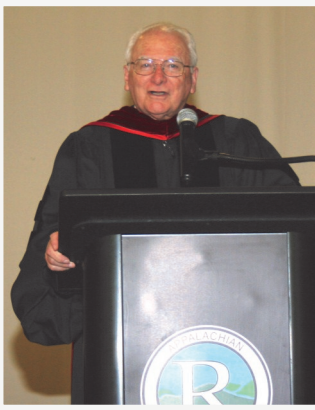


Benedicta Okoroafor, ACP Class of 2016 student, was named one of three national winners in the International Academy of Compounding Pharmacists (IACP) Foundation's semi-annual student writing competition on April 28, 2015. Ms. Okoroafor's winning essay addressed this year's question, "Should states institute a 'wet lab' examination as part of the pharmacist licensing process?" by discussing the present lack of uniformity in state regulations for compounding laboratories and staff. "I was both surprised and pleased when I received the email that I was one of the winners of the writing competition," Ms. Okoroafor said. "As a future pharmacist, I believe that we should be prepared in all aspects of patient care including compounding. Luckily, I go to a school that has similar beliefs and is able to provide its students with both didactic and hands-on compounding experience. Hopefully, this will become the trend in all pharmacy schools across the US." Ms. Okoroafor plans to attend the IACP Annual Meeting to be held this October in Chicago, where she will be formally recognized. In addition, she will receive a \$500.00 prize for her winning essay, which will be published in the International Academy of Compounding Pharmacists' publication. To view and read the essay online, visit [http://c.ymcdn.com/sites/www.iacprx.org/resource/resmgr/Foundation/Okoroafor\\_IACP\\_Spring\\_2015\\_E.pdf](http://c.ymcdn.com/sites/www.iacprx.org/resource/resmgr/Foundation/Okoroafor_IACP_Spring_2015_E.pdf)

## APPALACHIAN COLLEGE OF PHARMACY GRADUATES EIGHTH CLASS OF STUDENTS

On May 9, 2015 at 11 a.m. the eighth commencement exercise for the Appalachian College of Pharmacy was held. A graduating class of seventy-three students, their family and friends, faculty, and staff convened in the college gymnasium for the commencement. Class of 2015 graduate Tyler Mullins was elected by his class to be the student speaker and Dr. Lewis, the grandfather of Class of 2015 graduate, Autumn Lewis, was the invited commencement speaker. Dr. Lewis exhorted students to invest in the future by making lifelong learning a priority. College President Michael G. McGlothlin challenged the

Class of 2015 to exceed the Class of 2014's performance on the NAPLEX®. Dr. Susan L. Mayhew, College Dean, and Dr. Charles Breese, Associate Dean, hooded the graduates, after which Dean Mayhew led the graduates in the pharmacist's oath. Dr. Ted Hagen performed the benediction. A reception followed on the college lawn with live music performed by a jazz band.



## STUDENTS EXCEL IN NATIONAL COMPOUNDING COMPETITION



Students Sarah Butler, Benedicta Okoroafor, and Sarah Paharsingh represented ACP in the fifth annual Student Pharmacist Compounding Competition (SPCC), held March 21-22, 2015 at the University of Florida, College of Pharmacy in Gainesville, Florida. Competing against a total of twenty pharmacy schools and many fourth-year pharmacy students, they placed second in the compounding portion of the competition and finished eighth overall at the national

event. The students wish to thank the College's faculty for preparing them for the competition, in particular Drs. Masuda, Mullins, and Rashid. The SPCC was founded to provide an educational experience for student pharmacists which would foster their learning of pharmaceutical compounding. Please visit the web page <http://spcc.medisca.com/> for more information on the event.



## WHITE COAT CEREMONY MARKS MATRICULATION OF ACP'S ELEVENTH CLASS OF STUDENTS

The Class of 2018 was welcomed to the profession of pharmacy during the White Coat Ceremony held Friday, August 7, 2015. The Class of 2018, comprised of seventy-six (76) students, matriculated into the Appalachian College of Pharmacy as our eleventh class of students. Mr. Wade McGeorge gave the invocation for the ceremony and Dr. Richard Nicholas, PharmD, ND, Assistant Professor of Pharmacy Practice, gave an inspiring address to the class with lessons learned working as a pharmacist in Nevada and Washington. Dr. Susan Mayhew, Dean of the College, presented the white coats to students and administered the pharmacist's oath to the matriculating class. The ceremony was simulcast and is viewable at: <https://livestream.com/accounts/8055151/events/4249341>.



## ACP CELEBRATES STUDENT AND FACULTY ACCOMPLISHMENTS IN COLLEGE AWARDS NIGHT

<b>GPA Based Awards</b>	<b>Recipient</b>
Best in Integrated Basic Science (P1)	Robert Busch
Best in Therapeutics (P2)	Sheema Hallaji
Best in Pharmaceutics/Compounding Laboratory (P2)	Tatevik Melkounian
P3 Highest GPA	Tyler Mullins
P2 Highest GPA	Sheema Hallaji
Student Volunteer of the Year Award (SAO)	Melster Slone
Outstanding Service Award (SAO)	David P. Moore
Volunteer of the Year Award (SAO)	Leann Vanmeter
<b>P3 Awards</b>	<b>Recipient</b>
NCPA Outstanding Student Award	Lura Thompson
VPhA Research & Foundation Student Award	Tatevik Melkounian
Facts and Comparisons Award of Excellence in Clinical Communication	Sarah Justus
VSHP Excellence in Health System Pharmacy Student Award	Victoria Do
VSHP Student Leadership Award	Jennifer Shin
Merck MedChem	Tyler Mullins and Jennifer Armstrong
Rite Aid Retail Management Award	Andrew Belcher
Natural Medicines Recognition Award	Keith Krause
Eli Lilly Achievement Award	Autumn Lewis
TEVA Outstanding Student Award	Tyler Mullins
Mylan Excellence in Pharmacy Award	Harry Nguyen
ACP Dean's Award	Tyler Mullins (P3), Lura Thompson (P2), Christianna Tran (P1)
ACP Academic Excellence in Pharmacy Award	Tyler Mullins and Veronica Smith (P3), Sheema Hallaji (P2), Robert Busch (P1)
ACP Professionalism Award	Sarah Justus (P3), Tyler Jauss (P2), Christopher Clark (P1)
ACP Distinguished Service Award	Jason Chadwick (P3), Cassandra Bennett (P2), Jessica Antonio (P1)
ACP Outstanding Leadership Award	Jonathan Cook (P3), Lura Thompson (P2), Oluwabunmi Akintonde (P1)
ACP Community Service	Melster Slone (P3), Maria Tsiolkas (P2), Mehbuba Rahman (P1)
<b>Faculty Awards</b>	<b>Recipient</b>
ACP Excellence in Clinical Teaching	Rebecca Spivey
ACP Outstanding Science Teaching	Ingo Engels
ACP Administrative Staff Member of the Year	Gary Fletcher
ACP Student Organization Advisor of the Year	Ingo Engels and Kurt Vanden Bosch
ACP Preceptor of the Year	Sarah Ramey
ACP Preceptor of Excellence	Sarah Land
Preceptor of Distinction	Randy Mullins
Community Outreach Acclamation Award	Kurt Vanden Bosch
Above and Beyond	Ajay Singh

# PHARMACIST IN COMMUNITY SERVICE

## DRONE DELIVERY OF MEDICATION BRINGS NATIONAL SPOTLIGHT ON SWVA

Friday afternoon, July 17, 2015, in a landmark event, the first Federal Aviation Administration approved drone flight delivered medication to a Remote Area Medical (RAM) mobile clinic at the Wise County fairgrounds, demonstrating the possibilities of unmanned drone-delivery of medical supplies to remote or rural areas. Virginia governor, Terry McAuliffe, was present for the drone's landing, where Dr. Shamly Abdelfattah, ACP Associate Professor of Pharmacy Practice, and Teresa Gardner, Executive Director of the Health Wagon, a regional health agency, received the medications delivered by the drone.

The medications were flown from Tazewell County in southwest Virginia on a NASA aircraft to the Lonesome Pine Airport in Wise County. The medications were then transferred to a hexacopter (six-blade) drone, operated

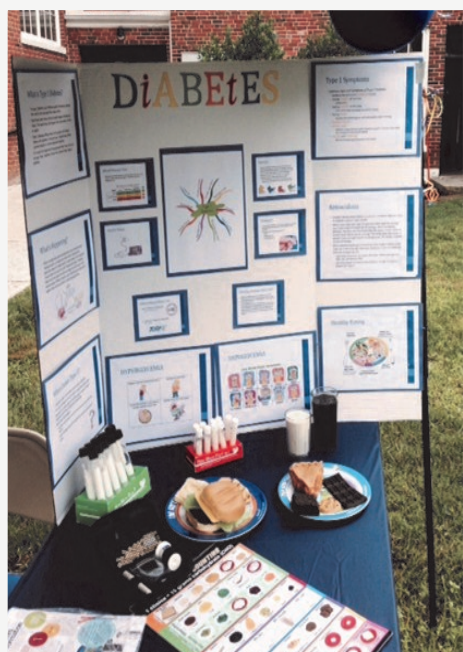
by Australian start-up Flirtey Inc., which flew the supplies 0.7 miles to the mobile clinic in Wise. A one-way flight to the clinic took 2 and a half minutes, said Matt Sweeny, chief executive of Flirtey, who described the event as a "Kitty Hawk moment" on Twitter. The event was reported by national news outlets, including the L.A. Times, Wall



Street Journal, and Washington Post, and internationally by British and Indian news outlets.



## GARDEN DAY FESTIVAL



The Garden Day Festival was held on campus Saturday, June 20, 2015. The festival consisted of live music, food vendors, arts and crafts and health screenings provided by Appalachian College of Pharmacy students. Actually, the students participated in several aspects of the festival from health screenings, volunteering with the Buchanan County Humane Society and providing education to children and their parents about diabetes.

The health screenings provided by the pharmacy students consisted of blood pressure and blood glucose with A1C, cholesterol and ankle brachial index scores. This festival provides an opportunity to reach out to the community and apply our knowledge and skills while providing free services. Dean Susan Mayhew had this to say about the event, "This is one of the few days in the year where the community convenes at ACP for fellowship, food, live music, arts and crafts, and free health screenings. We enjoy hosting the event and look forward to it each summer."

## ACP PROVIDES WELLNESS SCREENINGS TO AREA BANK EMPLOYEES

In April 2015, ACP faculty and students provided health screenings as part of wellness programs provided by New Peoples and TruPoint banks to their employees. Nearly 300 employees took part in having blood glucose, blood pressure, and weight screenings done in order to improve their health measures. Dr. Samir Abdelfattah, PharmD, Assistant Professor in the Department of Pharmacy Practice, noted, "It was exciting to see so many employees that were interested in their state of health and in improving it."

## ACP'S CONFERENCE ON HEALTH & HEALTH FAIR



As part of the Appalachian College of Pharmacy's long-term mission to improve health in Central Appalachia, the College hosted an inaugural Appalachian Conference on Health on April 6<sup>th</sup>, 2015 along with the annual health fair. The public was invited to attend presentations on Southwest Virginia county health rankings by Dr. Sue Cantrell, MD, district health director for Lee, Norton, Wise, and Scott counties and former dean of the Appalachian College of Pharmacy, an update on the activities of the Remote Area Medical (RAM) organization, by Mrs. Frannie Minton, NP, and a overview of the important's of dental hygiene by Dr. Carol Pratt. Appalachian College of Pharmacy faculty pharmacists presented information on fitness and nutrition mobile apps, heart health, smoking cessation, sun safety, and the future of tele-health. Free health screenings for blood glucose, blood pressure, body mass index (BMI), and diabetic foot examinations were made available to the public. Lunch was provided courtesy of Virginia House Delegate Terry Kilgore (R-1<sup>st</sup> Dist). The event was sponsored by the College, the Appalachian School of Law, Buchanan County Chamber of Commerce, Town of Grundy and Buchanan County health and civic organizations.



# STUDENTS MAKING A DIFFERENCE IN THE COMMUNITY

ACP's American Pharmacists Association Academy of Student Pharmacists (APhA-ASP) chapter has been busy this academic year with a number of community service events. In October, forty students participated in the ninth annual Susan G. Komen Race for the Cure® Tri-Cities, in Memorial Park in Kingsport, Tennessee, and raised more than \$1,400. In addition to taking part in area drug take back events and weekly wellness clinics at local grocery stores, APhA-ASP hosted a Generation Rx class, where middle and high school students are taught to

differentiate between medication and candy and the dangers of "Pharm parties." Students in ACP's APhA-ASP are giving back to their community and making a difference where they live and go to school.



In preparation for the American Pharmacists Association-Academy of Student Pharmacists Mid-Year Regional Meeting, the policy committee for APhA-ASP initiated a monthly grassroots forum on current professional issues faced by interns and clinicians in health care. APhA-ASP vice president Tonisha Robinson noted, "Policy and advocacy may seem mundane in the bigger scheme of pharmacy school, but as students in a professional program we have the opportunity to become involved in conversations that teach us more than we can learn in the classroom and allow us to take a stance in shaping our future." One goal of the forum is to encourage students and faculty to share personal experiences and opinions on health care barriers. APhA-ASP brings together all pharmacy professionals regardless of practice and provides a variety of opportunities for pharmacists to excel. The chapter membership provides students with unique opportunities which can only be garnered by support and involvement. Our achievements this year as a chapter have been noted not only on a local, but also a national level.



## FACULTY & STAFF NEWS

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- ◆ Drs. Ashley Bullard, PharmD, and Julie Large, PharmD, join the Appalachian College of Pharmacy as its 2015 pharmacy residents.
- ◆ Dr. Marcy Hernick, PhD, Assistant Professor in the Department of Pharmaceutical Science, has co-authored two journal articles in the journal *Biochemistry* and the journal *BioMetals*:

Huang X, Hernick M. Molecular Determinants of N -Acetylglucosamine Recognition and Turnover by N -Acetyl-1- d - myo - nosityl-2-amino-2-deoxy-α- d -glucopyranoside Deacetylase (MshB). *Biochemistry* 2015;54(24):3784-3790. doi:10.1021/ acs.biochem.5b00068. <http://pubs.acs.org/doi/abs/10.1021/acs.biochem.5b00068>

Kocabas E, Liu H, Hernick M. Identity of cofactor bound to mycothiol conjugate amidase (Mca) influenced by expression and purification conditions. *BioMetals* 2015;28(4):755-763. doi:10.1007/s10534-015-9864-6. [http:// link.springer.com/article/10.1007/s10534-015-9864-6](http://link.springer.com/article/10.1007/s10534-015-9864-6)

- ◆ Dr. Marcy Hernick, PhD, Assistant Professor in the Department of Pharmaceutical Sciences is presenting a poster at the 2015 AACP annual meeting:

Hernick, M. The Use of Interleaving to Enhance Student Learning and Knowledge Retention in a Blocked Curriculum. AACP Annual Meeting, National Harbor, MD, July 11-15, 2015.

- ◆ Dr. Hernick is presenting a poster with ACP alumna Savannah Horn, Class of 2015, at the 2015 AACP annual meeting:

Horn S, Hernick M. A Case for Using Test-Enhanced Learning in Pharmacy Education. AACP Annual Meeting, National Harbor, MD, July 11-15, 2015.

- ◆ Drs. Marcy Hernick, PhD, Chuck Breese, PhD, Ghous Khan, PhD, and Randy Mullins, PharmD, in the Department of Pharmaceutical Science, and Drs. Donna Adkins, PharmD, Ann Hylton, PharmD, and Michael Justice, PharmD, in the Department of Pharmacy Practice, are presenting a poster at the 2015 AACP annual meeting entitled “*Driving Curricular Improvements with Milestone Examinations.*”
- ◆ Dr. Ann Hylton, PharmD, Assistant Professor in the Department of Pharmacy Practice, and Victoria Do, PharmD, Class of 2015 alumna, are presenting a poster at the 2015 AACP annual meeting entitled “*Enhancing Student Learning of Drugs in Pregnancy and Lactation in Pharmacy Education.*”
- ◆ Dr. Ann Hylton, PharmD, Assistant Professor in the Department of Pharmacy Practice, presented *Substances of Abuse (Record Highs across the Region)* at a Grand Rounds session at the Bristol Regional Medical Center in June 2015.
- ◆ Dr. U.S. Rao, PhD, Associate Professor in the Pharmaceutical Science department and Director of Research, and Class of 2016 student Vahe Hovasapyan co-authored an on lethal injection for the American Association of Pharmaceutical Scientists blog, Rao, US and Hovasapyan, V. Deadly Precision. AAPS blog. Published April 2, 2015: <http://aapsblog.aaps.org/2015/04/02/deadly-precision/>
- ◆ Dr. U.S. Rao, Dr. Susan Mayhew, and Mrs. Prima Rao co-authored an article in the journal *Future Medicine*:

Rao US, Mayhew SL, Rao PS. Strategies for implementation of an effective pharmacogenomics program in pharmacy education. *Pharmacogenomics* June 2015:1-7. doi:10.2217/pgs.15.50. <http://www.futuremedicine.com/doi/abs/10.2217/pgs.15.50>



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The Appalachian College of Pharmacy is accredited by the Accreditation Council for Pharmacy Education (ACPE).

The Appalachian College of Pharmacy is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (SACS) to award the Doctor of Pharmacy degree.

The Appalachian College of Pharmacy is certified to operate in Virginia by the State Council of Higher Education for Virginia (SCHEV).



## INNOVATIVE PHARMACY PRACTICE & EDUCATION

## CALLING ALL ACP ALUMNI TO JOIN THE APPALACHIAN COLLEGE OF PHARMACY ALUMNI ASSOCIATION

Have you graduated from the Appalachian College of Pharmacy? We want to stay in touch with you. Like the Appalachian College of Pharmacy Alumni Association's page on Facebook <https://www.facebook.com/acpalumni> or log into and update your contact information in Sonis. The next time the College hosts an alumni or continuing education event we'll contact you!

## SUPPORT ACP

The College's mission is to serve Central Appalachia and rural areas around the world by training qualified pharmacists to work in those areas. The College needs your help to continue to meet its very important mission. You can support our mission by giving to the College's Scholarship, Building or General Funds.

*If you wish to partner with the College by giving, please contact:  
Terry Kilgore, Director of Advancement at [tkilgore@acp.edu](mailto:tkilgore@acp.edu) or  
423.335.3160.*