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Ivor Griffith PD’1912, PhM’1921, ScD, FRSA, was known for his tireless work ethic as he worked for the Stetson Hat Company and Philadelphia College of Pharmacy simultaneously.

Nearly 550 graduates were honored at USciences 195th commencement.

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Dear Alumni and Friends,

This past year has been a remarkable one for me as president. I have had the opportunity to get to know our students, reconnect with many of our alumni, and work closely with our dedicated group of faculty and staff.

As I have served in the role of president, I have realized the importance of having stability at this level because only then we move forward as a University. Having Dr. PAUL KATZ on board as our 25th president is the right prescription for USciences. Dr. Katz has an impressive background in the two critical areas that affect USciences most: healthcare and higher education.

Reflecting on the past year, we can see how much has taken place in a short amount of time.

• We celebrated another successful year for our 2015 graduates who reported that 97% of them were employed or accepted for advanced degrees within six months of graduation.
• We cheered on our student-athletes who continued to excel on the fields of play and in the classroom and were recognized by our peers for sportsmanship and academic excellence.
• We embarked on the important charge of addressing student satisfaction and reflected that increased commitment in a change to our mission statement: **University of the Sciences prepares students to become leaders, innovators, and skilled practitioners in the sciences, the health professions, and related disciplines. We deliver excellence in teaching, research, and service through a safe and supportive environment in which our students live, learn, and succeed.**
• We submitted detailed monitoring reports to the Middle States Commission on Higher Education and Accreditation Council for Pharmacy Education to solidify our full accreditation status with each group.
• We started the comprehensive process of self-evaluation that will provide a snapshot of the University as a whole and allow us to set institutional priorities and properly align our resources for the long-term sustainability of the University.
• We started on the path to construction of a new first-year residence hall to open in August 2018.
• We reached out to our neighbors in West Philadelphia and University City with increased community activities.
• And we increased awareness of the University in the region through our ongoing Proven Everywhere marketing campaign.

There are many examples of scholarly activity, national recognition, publications and presentations, as well as individual honors and accolades that our faculty and staff have garnered over the past year. We celebrate them all!

While serving as president has left an indelible mark on me, I can think of no greater honor than presenting an honorary doctor of science degree to our board chairman MARVIN SAMSON HonAlm’96, HonDSc’16 at USciences’ 195th commencement on May 25 and then greeting every one of our 2016 graduates. It was just one of the most gratifying experiences in my life. Please take the time to look at the impressive numbers from graduation on page 9.

University of the Sciences is a special place because of the students, faculty, staff, and alumni that call it home. I can’t imagine having any privilege that is greater than this one. I appreciate having the opportunity to serve during this year.

Sincerely,

Kathleen R. Mayes P’76, PharmD’78
Interim President
A new era is set to begin when University of the Sciences welcomes PAUL KATZ, MD, as its 25th president on September 1, 2016. Dr. Katz, who has served as founding dean of Cooper Medical School of Rowan University (CMSRU) since 2010, was unanimously approved by the board of trustees in June 2016. He will replace KATHLEEN R. MAYES P’76, PharmD’78, who has been interim president since July 2015.

“Over the course of more than 40 years in healthcare and higher education, Dr. Paul Katz has gained invaluable experience and has demonstrated skilled and visionary leadership, which will be a tremendous benefit to University of the Sciences,” said board chairman MARVIN SAMSON HonAlm’96, HonDSc’16. “His understanding of the rapidly changing arenas of both healthcare and higher education, and his belief and experience in interdisciplinary healthcare delivery, make him uniquely qualified to help shape USciences’ future.”

Dr. Katz had been the chief architect, executive, and academic leader of CMSRU since 2010. Opened in 2012, CMSRU was the first new MD-granting medical school in New Jersey in more than 40 years and arose from a partnership between the Cooper Health System and Rowan University. This past summer, CMSRU celebrated important milestones with the graduation of its charter class and its receiving full accreditation by the Liaison Committee on Medical Education for the maximum period permitted for a new school. Prior to his leadership role at CMSRU, Dr. Katz was the founding vice dean for faculty and clinical affairs and professor of medicine at the Commonwealth Medical College in Scranton, Pennsylvania, where he was instrumental in launching the new medical school that enrolled its first class in 2009.
Dr. Katz became familiar with USciences over the years through the relationship that was established between Cooper Medical School and the University in the creation of a student-run, faculty-supervised, patient-care clinic in Camden, where USciences students worked side by side with Cooper Medical students to learn and provide care.

“USciences has a long and proud history of preparing students to become leaders, innovators, and skilled practitioners in the sciences, the health professions, and related disciplines,” said Dr. Katz. “I am very excited to help build upon the great legacy of the school and its unique niche. I look forward to the tremendous opportunities that await us.”

Over the course of his career, Dr. Katz has held a variety of other executive leadership positions within medical schools and health systems, including senior vice president and chief medical officer at Mount Sinai Medical Center in Miami Beach, chairman of medicine and physician-in-chief at Georgetown University Hospital, and chief operating officer at Georgetown University Medical Center.

“Higher ed is in a state of flux and all of the jobs in healthcare are changing,” Dr. Katz said. “This is a perfect time to come to USciences to really get involved with helping to redefine health education and how healthcare is practiced.”

The Center City resident held a faculty position at the University of Florida as an assistant professor of medicine, division of rheumatology, immunology, and allergy. Earlier in his career, he worked at the National Institutes of Health (NIH) within the National Institute of Allergy and Infectious Diseases as a clinical associate and medical officer.

“I've known Paul for a number of years,” Dr. Samson said. “We are both firm believers in interdisciplinary education. He is the perfect fit as the University has become much more than a college of pharmacy.”

Dr. Katz, who attended Randolph-Macon College as an undergrad, received his medical degree from the Georgetown University School of Medicine and completed his training in internal medicine at the Shands Teaching Hospital at the University of Florida College of Medicine. He and his wife of 43 years, Anne-Marie, have two grown, married children and five grandchildren.

Left: USciences President Paul Katz, MD, speaks with Maureen McDevitt Foley P’66, Vice President for Institutional Advancement Teresa Flick Winslow P’78, and Vince Marone P’66. Center: Dr. Katz shares a laugh with his wife Anne-Marie (right) and assistant to the dean of Samson College of Health Sciences Deborah Zayon. Right: Dr. Katz chats with Elinor H. Cantor MS’73, PhD, MBA (right), and Dean of Misher College of Arts and Sciences Suzanne Murphy, PhD.
PCP Unveils Nation’s First Competency-Driven Pharmacy Curriculum

By John Patten

While the stone façade of Philadelphia College of Pharmacy may make the school appear unchanged, the incoming class will encounter a remade and reinvigorated educational environment delivering the nation’s first competency-driven curriculum for pharmacy students.

The class will be the first to participate in PCP’s Ready+4 curriculum—a complete rewriting of assessments and courses aimed at ensuring that graduating students’ core competencies will make them ready for the patient-centric medical environment they will face after graduation.

“Ready+4 graduates will be better prepared to confidently interact with and provide patient-focused care from the first day in any postgraduation position,” said DIANE MOREL, MS, PhD, assistant dean of curricula and assessment at the Philadelphia College of Pharmacy.

“It’s really rebuilding the whole core of our curriculum,” said MARVIN SCHULTE, PhD, chair of the Department of Pharmaceutical Sciences.

Dr. Schulte added the planning started over four years ago as school administrators and faculty began discussing how to incorporate updated standards for pharmacy schools from the American Association of Colleges of Pharmacy’s Center for the Advancement of Pharmacy Education (CAPE). The new standards are aimed at enhancing the knowledge and skills new pharmacists will need to succeed in medical systems in the coming years.

According to Dr. Morel, the Ready+4 curriculum integrates delivery of the core pharmaceutical sciences and therapeutic approaches/clinical reasoning right from day one in the professional phase of the program. This is in contrast to the traditional model “when everything is siloed in separate courses, and at the end, everything is expected to magically come together,” she said.

“The real focus here was let’s design a curriculum starting with what we want the students to be able to do and work backwards from there.”

Marvin Schulte, PhD, chair of the Department of Pharmaceutical Sciences
“In the past, we were expecting students to reach a level of sophistication but were not teaching them or modeling how to do that—now we will,” she said.

“Most curricula are focused on knowledge acquisition and problem solving within disciplines,” Dr. Schulte said. And though students graduate with a solid understanding of the science, “it isn’t really the kind of integration you use on the job.”

Not only will content in the new curriculum be delivered in fully integrated (science and practice) fashion, but delivery will utilize modern pedagogy in focused modules that facilitate students’ processing of and actualization of new knowledge, skills, and behaviors to “become” pharmacy professionals.

Incoming students will complete a two-year pre-professional program focused on hard science and social science (the Ready part of the program), followed by the four-year professional development curriculum (the +4 aspect) built around what JENNIFER REINHOLD PharmD’07, BCPS, BCPP, called “measurable abilities.” While science is always at the heart of the programs, Ready+4 increases students’ education in professional development and professional practice skills from the first year. Each year is organized around elements of core knowledge and competency-building practicums. The first year of the four-year professional program—Foundations of Science and Practice—includes courses

“We think integration of instruction—science and practice, didactic and experiential—with performance expectations that are clear, transparent, and consistent and measured in periodic integrated assessments, coupled with just-in-time learning support, is really going to help enhance the timely progression of our students.”

Diane Morel, MS, PhD, assistant dean of curricula and assessment
in practice skills, pharmacy practice experiences, professional orientation, and interprofessional education. The second year is titled Cultivating Science and Practice and extends the focus on practice skills. Evolving Practice, the third-year curricular theme, adds entrepreneurship and applied professional behavior and communication to the increasing elaboration of practice skills.

“If one looks closely at our current curriculum, we really do not have a four-year professional curriculum because of multiple nonprofessional courses that are included in the first year professional curriculum,” noted CATHY POON, PharmD, chair of the Department of Pharmacy Practice and Pharmacy Administration. Including practice-oriented or experiential education during the first year of the professional curriculum was not possible because of this structure.

The Ready+4 curriculum is topped by students’ in-field experiences in the Advanced Pharmacy Practice Experience (APPE), adding real-world experiences and professional connections with 36 weeks of rotating placements in various healthcare systems and in various areas of practice. The theme for this final year is “Pharmacy Proven Everywhere,” acknowledging the current USciences marketing campaign and historic contributions to pharmacy education.

“It’s during the APPE rotations that student pharmacists have the knowledge and application experience to really show how well they can function in a

Continued on page 8
pharmacy environment,” Dr. Morel said. “APPEs are the place for student pharmacists to develop confidence in their readiness to practice.”

Dr. Poon describes the approach of Ready+4 as coupling students’ opportunity to first acquire knowledge in structured, classroom-like settings with practice in “structured” clinical laboratories, then reinforcing that knowledge and related skills in experiential—“real life”—settings.

“And finally and most critically, [they] bring their experiences back to the classroom to enhance more learning,” she said. “[The] best way I describe this is [as] an upward ‘spiraling effect.’ This approach will allow students to experience patient and therapeutic issues and concerns in a variety of contexts.”

Development of Ready+4 was commenced by a panel of faculty and department administrators launched shortly after Dr. Schulte joined the faculty. While reworking a curriculum can often begin by considering what existing coursework to use, Dr. Schulte said the committee started development from a different point.

“There has been a sense from students that we were looking to weed people out, not helping them to prepare for their chosen profession,” Dr. Morel said. “We actually talked a lot to our students about the intensity and the siloed nature of the curriculum as it has been taught.”

Crucially, the use of competency assessments provides faculty with information they can use to address student weaknesses before these weaknesses affect progression. Students will also be afforded opportunities to address competencies they have failed to meet in alternative ways instead of simply repeating a class. The effect will be to keep more students on track to a six-year graduation.

“I am excited about the competency-driven curriculum and the opportunities to integrate and reinforce critical concepts, to adopt application learning approaches as early as possible in the curriculum, and to incorporate interprofessional education to create team-ready, patient-centric healthcare professionals of the future,” Dr. Poon said.

School officials aren’t alone in their excitement about the initiation of the first competency-based curriculum. Dr. Morel said the school has recently presented the new curriculum at the American Association of Colleges of Pharmacy conference and their approach to curricular redesign at the Lilly International Evidence-Based Teaching and Learning Conference.

Dr. Reinhold recalled the positive reaction from the school’s liaison to the professional accreditation agency when reviewing Ready+4. “When we talked about it, he was very excited,” she said. “That was very encouraging.”

Jennifer Reinhold PharmD’07, BCPS, BCPP

“Well critically, [students] bring their experiences back to the classroom to enhance more learning from their APPE rotations.”

Cathy Poon, PharmD
Celebrating USciences’ 2016 Graduates

195th Commencement Ceremony

Approximately 550 graduates were honored on Wednesday, May 25, 2016, at University of the Sciences’ 195th Commencement. GRACE FARBER, PhD, an assistant professor in biological sciences, was honored with the 2016 Lindback Foundation Award for Distinguished Teaching, while NICK TOMASELLO Phys’16 (and featured on page 11) gave the valedictory address. Among those receiving their degrees was MARVIN SAMSON HonAlm’96, HonDSc’16, chairman of the University’s board of trustees, who received an honorary doctor of science degree. Dr. Samson also gave the keynote address to graduates in which he emphasized the importance of leadership and said because each graduate completed their coursework at USciences, they have already demonstrated their leadership abilities.


Fifth Annual Bachelor’s Degree Conferment Ceremony

The fifth annual bachelor’s degree conferment ceremony was held on Friday, May 20, 2016, in the Athletic/Recreation Center at the University. Some 250 USciences students in the doctor of occupational therapy, doctor of physical therapy, doctor of pharmacy, and masters of science in physician assistant studies programs were granted bachelor of science degrees. They will continue their matriculation toward their professional degrees. PAUL KATZ, MD, the founding dean of Cooper Medical School of Rowan University, who would be named USciences’ president a month later (see page 3), addressed the graduates in a keynote speech at the ceremony. Dr. Katz spoke of the importance of learning effective communication in medicine and how interdisciplinary learning can be a catalyst toward that goal.

The Class of 2016: Meet four impressive graduates from the class of 2016

It was the promise of a small classroom environment and individual attention that drew FIDELIA BERNICE PharmD’16 to USciences, but the vast opportunities for real-world experience through the interprofessional introductory pharmacy practice experience (IPPE) that prepared her for her future career.

“It taught me the unique perspectives that different disciplines bring to the table when caring for patients,” she said.

Dr. Bernice said she encourages other students to take advantage of every opportunity presented at the University.

“Your college years are a time to challenge yourself and grow,” she said. “You are going to learn a lot about yourself—both inside and outside of the classroom—and if you take advantage of opportunities as they appear, you just may surprise yourself.”

Dr. Bernice will be completing a post-graduate residency at Johns Hopkins Hospital in Baltimore, Maryland. She plans to work as an infectious disease pharmacy specialist in a large medial center after her residency.

A dedicated athlete and member of the USciences softball team, STEPHANIE FULTANO ESWM’16 says a love of sports inspired her interest in a health and wellness education from a young age. At USciences, Fultano found a great education and values like courage, commitment, and pride that matched her own.

“Not only have I learned about my field of study, but I have grown into a unique individual who strives for greatness regardless of the task,” she said. “I will always hold dear to me the friends I have made through playing softball and will always remember the life lessons experienced through my four years.”

Fultano said in the classroom and on the softball field she has learned the value of hard work.

“If you want to be a physical therapist or biochemist, you know you will have to work for it,” Fultano said. “What I have learned coming to USciences is that all the extra effort you put in definitely is worth it in the end.”

Fultano will bring those lessons with her as she attends the U.S. Navy’s Officer Cadet School in Newport, Rhode Island.
Looking for a strong MBA program while leaving enough time for his full-time job working in the pharmaceutical industry, **CHRISTOPHER VAN BESIEN PH/TX’00, MBA’16** found the perfect fit at USciences’ Mayes College of Healthcare Business and Policy.

“The evening and online program was very conducive to the unpredictable work and travel nature usually associated with clinical development professionals’ [careers], such as mine,” Van Besien said. “The flexibility of the program allowed me to complete the degree in exactly two years, while contributing toward clinical development project teams.”

**The flexibility of the program allowed me to complete the degree in exactly two years...**

Van Besien also said the real-life group learning approach he experienced in the classrooms at USciences reflects the skills needed to build highly successful teams in the workplace.

Van Besien will be joining Aeglea BioTherapeutics, a biopharmaceutical start-up company in Austin, Texas, and hopes to continue working in the corporate world to lead projects that will bring novel therapies to patients in need.

**NICK TOMASELLO Phys’16** said his challenging coursework at USciences was made easier by considerate and approachable professors who taught him the skills needed to complete his coursework but also helped him find what he wanted out of life.

“My academic and research advisor Dr. **PAUL HALPERN** not only taught me a lot about the life of a physicist but was there to support me during some extremely tough times,” Tomasello said. “I’ve always felt welcomed and supported here.”

Tomasello said taking orientation to the humanities opened his eyes to different opportunities he hadn’t otherwise considered with a degree in the sciences.

Tomasello, who graduated as the valedictorian, hopes to begin work using his science background and writing skills as either a science journalist or technical writer.

“My degree has taught me the skills I need to find and organize information...”

“I feel that my degree has taught me the skills I need to find and organize information as well as convey it in ways specific to my audience. Hopefully that will help me as a science writer,” Tomasello said.
In 1907, the family of IVOR GRIFFITH PD’1912, PhM’1921, ScD, FRSA, emigrated from Wales to Bangor, Pennsylvania, where, at the age of 16, he took his first steps toward a career in pharmacy. After a few years under the wing of his local druggist (EDWIN KEMMERER EISENHART PhG’1890) Griffith enrolled at PCP. Once he graduated, he quickly found work in the Kensington section of Philadelphia in 1913 as a pharmacist at the Stetson Hospital, a component of the John B. Stetson Hat Company. The Stetson Company was reaching its peak at the time, built up from a small 1865 workshop into a massive nine-acre industrial plant that employed roughly 5,000 workers. Access to free healthcare was provided through a dispensary that had grown by 1905 into a fully accredited hospital open to the general public.

After eight years in the hospital pharmacy, Griffith’s responsibilities at Stetson began to multiply. He became director of (hospital) laboratories (1925–1941), chairman of the hospital’s training school for nurses (1930–1935), and director of research (1925–1941) in the hat manufactory, specializing in color control. What made Griffith’s employment at Stetson so remarkable, however, was that it wasn’t his primary occupation, only a sideline. Griffith’s real job was at Philadelphia College of Pharmacy—where he specialized in “burning the candle at both ends.”

Griffith began his academic career about the same time he started at Stetson, when he became an assistant to one of the rising stars on the faculty, associate professor of pharmacy CHARLES LAWALL PhG’1893, PhM’1905 in 1913. Three years later, Griffith entered the faculty as an instructor in pharmaceutical arithmetic, and when LaWall replaced the late JOSEPH P. REMINGTON PhG’1866 as dean and professor of pharmacy in 1918, Griffith stepped into LaWall’s shoes as instructor in pharmacy. Griffith’s promotion to assistant professor duly followed in 1923, and in 1931, he became an associate.

There were times, however, when Griffith’s exhausting schedule got the better of him. In the summer of 1932, he fainted and fractured his skull at work. Griffith’s stay in the hospital lasted nearly a month:

“[Ivor Griffith] is recovering at Stetson Hospital [from] the results of an accident suffered June 21 in the laboratories of John B. Stetson Company [where] he is the chief chemist. While attending a conference, Dr. Griffith was overcome by a spell of dizziness which caused him to feint (sic). In falling, his head struck a tile floor, resulting in a slight skull fracture. It is expected that he will have to remain in the hospital until about July 15...Dr. Griffith’s collapse was brought about by the strenuous application he gives to his many duties. In addition to his connections with John B. Stetson Company and Stetson Hospital, he is associate professor of pharmacy, at the College.”

– PCPS BULLETIN, JULY 1932.
Griffith was hospitalized yet again in 1936, but his problems paled in comparison to those of Dean LaWall, whose health collapsed that summer. To lighten his mentor’s load, Griffith was asked to become an assistant dean while simultaneously stepping up as professor of pharmacy. Sadly, these precautionary measures proved to be all too necessary. Dean LaWall never made a full recovery from his illness, and he died of pneumonia on December 7, 1937, whereupon Griffith was named dean of pharmacy.

Griffith’s next promotion as the 12th president followed the retirement of President Wilmer Krusen in 1941. Henceforth, Griffith served as both dean and president until 1959, a distinction that’s unique in the history of the University.

Naturally, the demands of these heavy responsibilities required a few sacrifices on Griffith’s part. Several months into his presidency, he resigned from the Stetson Company.

As routine as it had been for Griffith to hold down multiple jobs, he finally realized that he needed to slow things down in 1959. That year, at age 68, Griffith decided to let somebody else take over as dean while he focused his energy on the presidency. Even in this instance, it took two people to replace Griffith. A dual structure that hadn’t existed since 1943 was restored whereby Linwood Tice PhG’1929, BSc’1933, MSc’1935 became dean of pharmacy and Arthur Osol PhG’1925, BSc’1928, MSc’1930 became dean of science. Griffith planned to retire at the end of the school year in 1961 but on May 16—just a few days shy of retirement—Griffith failed to show up at a board of trustees meeting. A few colleagues dispatched to his home quickly discovered that he had died overnight in his sleep.

On January 3, 1966, PCP celebrated the 75th anniversary of Griffith’s birth by naming the main college building after him:

“Oh, all the buildings on campus only the original one remains unnamed. It should bear a name, and to whom may it be better dedicated now than to Dr. Ivor Griffith…”

Remarks from the dedication of Griffith Hall, 1966.

Ivor Griffith commonly ended his correspondence with an expression that was as distinctive as his signature. It serves here as a fitting conclusion to this memorial: “All hail affection.”

A display honoring the memory of Ivor Griffith, featuring photos and artifacts from his manuscript collection, is currently on view in the J. W. England Library.

A poem and drawing that Ivor Griffith PD’1912, PhM’1921, ScD, FRSA, sent from his hospital bed to wish his friend, Bill Anderson, a happy birthday.

“Of all the buildings on campus only the original one remains unnamed. It should bear a name, and to whom may it be better dedicated now than to Dr. Ivor Griffith… the only man in [our] history who over a period of fifty years has served as student, alumnus, president of the alumni association, instructor, professor, head of the department of pharmacy, dean and president….His memory, which we shall always hold in deep affection, shall be our pilot light. He will be forever revered, and we are the richer for his having been with us.”

– Remarks from the dedication of Griffith Hall, 1966.
Growing activity in the development of biosimilar medications has many envisioning another period of high growth in pharmaceutical manufacturing, just as the development of generic pharmaceuticals exploded in the 1990s.

As ANDREW M. PETERSON, PharmD, PhD’09, the John Wyeth Dean of Mayes College of Healthcare Business and Policy noted in his introduction for the Mayes College “Making the Connections: Biosimilars” presentation and discussion, the developing field of biosimilars is a topic of growing importance to the business side of pharmaceuticals, even as regulatory and business challenges impede growth.

“While [biosimilars] have been available in Europe for more than a decade, the recent introduction in the U.S. marketplace has not been without its controversy,” Dr. Peterson said.

Robert Field, JD, MPH, PhD, founder and former chairman of the USciences Department of Health Policy and Public Health, moderated the March 15 presentation sponsored by an unrestricted educational grant from AstraZeneca Pharmaceuticals. Panelists MICHAEL CASTAGNA P’00, PharmD, MBA, and Mesfin Tegenu, MS, RPh, president of PerformRX, a pharmacy benefit provider, discussed the growth of the U.S. biosimilar industry from their perspectives. Dr. Castagna has led biosimilar development at several pharmaceutical companies, including recent work as a global biosimilars commercial lead executive at Amgen Biosimilars. Tegenu spoke on the challenges facing payors, prescribers, and pharmacists in navigating the complex challenges new medications present.

Many seem to view biosimilars as analogous to generics since both use existing pharmaceutical products coming off of patents as a springboard to build market share. But while generics are based on small molecule drugs, biosimilars are based on highly effective—and very complex—biologic drugs.

To highlight the challenges of developing these drugs, Dr. Castagna compared the complexity of somatropin, a human growth hormone (hGH) biologic approved in 1998, which has 3,091 atoms, to a modern IgG1 antibody biologic with more than 20,000 atoms.

“When you think of complexity, think about how many companies can build an F-14 fighter jet—that’s how complex these molecules are to build,” Dr. Castagna said.

And because developing biologics and biosimilars costs hundreds of millions of dollars, the costs to enter the industry will likely limit the number of competitors. Companies having to commit to nearly a decade of development and outlays approaching half a billion dollars have to be prepared to make expensive decisions along the way, Dr. Castagna said.

He pointed out that a company several years into development of a biosimilar may have already invested more than $100 million only to find it necessary to purchase a competitor working on a similar product, further increasing costs. “People have gotten smart and patented a lot of stuff around biologics,” Dr. Castagna said.

From left to right: Robert I. Field, JD, MPH, PhD; Mesfin Tegenu, MS, RPh; and Michael E. Castagna P’00, PharmD, MBA.
While [biosimilars] have been available in Europe for more than a decade, the recent introduction in the U.S. marketplace has not been without its controversy.

Andrew M. Peterson, PharmD, PhD’09, the John Wyeth Dean of Mayes College of Healthcare Business and Policy

Then there’s the still-evolving approval process for biosimilars, which can lead to designations of a new product that are less desirable than hoped. Biosimilars can be classified as either “interchangeable” with its biologic parent or “highly similar,” requiring different indications, administration methods, and record-keeping requirements. Dr. Castagna pointed out it’s even possible for two biosimilars based on the same parent drug to not be equivalent when considered for prescribing to patients.

Tegenu said nearly all states are considering or have enacted distinct requirements for prescribing biosimilars, adding another layer of complexity. “It varies from state to state,” he said. “It can be crazy restrictive or at the other end.”

While this lack of clarity is holding back development of biosimilars in the U.S., pricing may be an even greater impediment. Tegenu said it’s not unusual for a full treatment cycle with a biologic to cost as much as $300,000 or $400,000 with the potential to save about 10 to 20 percent with a biosimilar. These are costs that—even discounted—draw high scrutiny from insurers and CEOs trying to keep an eye on benefit costs.

All of these factors give manufacturers reasons to reconsider whether or not to enter the field.

“People [in the industry] are going to take a step back and say, ‘Given all these hurdles, given all this unclarity, should I just take a different strategy?’” Dr. Castagna said.

He said after 10 years of development in Europe—which is perceived to be more encouraging of biosimilar development—there are only three groups of biosimilars, suggesting many industry players are choosing alternative strategies.

The panelists agreed pharmacists will play a critical role in biosimilars as the need to recognize the proper applications and determine the true costs become crucial. Pharmacists and prescribers will need to recognize whether a biosimilar product is equivalent to the more-expensive parent drug or only “highly similar” or if Biosimilar B is equivalent to Biosimilar A.

“Which one do you pick? Which one is the most logical one?” Tegenu asked.

When looking down the road, the panelists agreed biosimilars will likely force substantial changes on healthcare and the pharmaceutical industry though just how it will shake out is not very certain at this early stage.
PT Students’ Community-Based Research Projects Aimed to Prevent Falls in Seniors
By Lauren Whetzel Siburkis

Falling is bad news for senior citizens—oftentimes resulting in life-changing injuries, such as hip fractures and head traumas, and an increased risk of early death. However, new research findings at University of the Sciences into how and why seniors fall may provide healthcare providers with insight into improved balance and strength-training strategies to prevent tumbles by the elderly.

“One in three individuals over the age of 65 experiences a fall,” said CAROL A. MARITZ, PT, EdD, a board-certified geriatric clinical specialist and physical therapy professor at USciences. “However, aside from our findings, current overall research lacks evidence regarding the impact of a short-term balance-based exercised regimen on community-dwelling older adults.”

Under the guidance of Dr. Maritz, physical therapy students completed a study that explored the effectiveness of a five-week balance-training exercise program designed to focus on lower extremity strength, balance, and fear of falling in seniors over the age of 60. The student researchers worked closely with more than a dozen men and women at a senior center in Northeast Philadelphia and tailored the exercise program to each participant’s needs.

“In real life, we [physical therapists] probably aren’t going to be able to see a patient for 12 weeks,” said LAURA CARIGNAN DPT’15. “So our idea was to conduct this research in a clinical setting and work with the elderly patients realistically, twice a week, for five weeks, and we got really good results with that.”

The study results found that a short-term balance program can improve lower extremity strength, balance confidence, and functional mobility in the older population; thereby, reducing their risk of falling. Even though there were no significant changes in dynamic balance, there was a positive trend suggesting the benefit of a short-term training program.

Other members of this research team included NATALIE FARAH DPT’15, CHANELE CRISWELL DPT’15, CHRISTINE SANDILANDS DPT’15, SONA SINGH DPT’15, and TARA GANNON DPT’15.

With her strong clinical background in geriatrics, Dr. Maritz also oversaw another student research project that evaluated an existing group-based strength and balance program designed for active seniors who live on their own. More than a dozen men and women, between the ages of 67 and 91, were recruited from Mount Zion Baptist Church, a local church, to participate in this study.

A team of physical therapy students held a 60-minute group exercise class for seniors twice a week for 10 weeks, and the program was modeled after an existing moderate- to high-intensity exercise program.

“Most current research indicates that 12 weeks to 12 months of group exercise programs are effective in improving the lower extremity strength and balance in seniors.”

Michael Soya DPT’15

“Most current research indicates that 12 weeks to 12 months of group exercise programs are effective in improving lower extremity strength and balance in seniors,” said MICHAEL SOYA DPT’15. “However, these lengthier programs do not emphasize the intensity at which the seniors exercise.”

Dr. Soya said that his research team—which included BRIAN CHAN DPT’15, JESSICA THOMAS DPT’15, and ANNA WALSKI DPT’15—discovered that their moderate- to high-intensity 10-week exercise program led to significant improvements in outcome measures correlated with the risk of falls in seniors.

“My research team believes that group-based strengthening and balance training programs should be recommended to geriatric patients,” said Dr. Soya. “More particularly, we encourage physical therapists to emphasize the importance of moderate- to high-intensity exercises to challenge older patients and produce meaningful results.”
Dr. Peter Miller Named Provost

PETER MILLER, PhD, was named the full-time provost and vice president of academic affairs at University of the Sciences in June 2016. Dr. Miller had returned to USciences as interim provost on March 21, 2016.

“Since returning to USciences in March, Dr. Peter Miller has skillfully guided the efforts of the provost’s office and provided stability to this vital function of the University while working closely with faculty, staff, and administrators,” said interim President KATHLEEN MAYES P’76, PharmD’78. “This announcement is being made with the full support of our newly named president, Dr. PAUL KATZ, who looks forward to Dr. Miller’s continued leadership and direction.”

Before leaving in 2013, Dr. Miller was at USciences for 20 years in a variety of faculty and administrative roles, was a member of the President’s Cabinet for five years, and served as interim provost from 2012 to 2013. He continues to hold the rank of associate professor of physical therapy. Dr. Miller left to serve as associate provost for academic affairs at Thomas Jefferson University between 2013 and 2016.


Learning Beyond Borders: Honors Program Brings the Classroom to Peru

Floating along in a quiet riverboat and listening to the sound of animals in the Amazon rainforest around them, 12 students in University of the Sciences' Honors Program had a rare opportunity for self-reflection as they immersed themselves into a foreign culture and foreign environment.

The 10-day trip to Peru capped a year-long course of study by the students enrolled in the first and second years of the Honors Program. This year's humanities curriculum included studying the history and socio-politics of Latin America, their relationship with nature, and the challenges of creating a culture of sustainability.

Each year the Honors Program—made up of students who are nominated by Admissions for their academic achievement, leadership, and service—invites students to travel to a different country that ties into their curriculum. Often there isn’t a direct link to the science-related fields that the undergraduates are studying day in and day out, but STEPHEN MOELTER, PhD, director of the University Honors Program, said the trip broadens students’ perspectives and provides an experience that these students wouldn’t otherwise receive.


Caption and credit: Honors students at Machu Picchu in Peru. Photo by Christine Flanagan.

Sports in Short

USciences Awarded CACC Sportmanship Honor

The Central Atlantic Collegiate Conference (CACC) and Commissioner Dan Mara announced the recipients of the 2015–16 CACC Sportmanship Awards, and for the second year in a row, USciences was bestowed the men’s sportmanship honor. Sportmanship is the cornerstone of the NCAA Division II and CACC foundation, along with learning, service, resourcefulness, passion, and balance. The Devils were prime examples of all these traits once again, capturing the CACC Sportmanship Award in back-to-back years. USciences set the mark in the men’s field with an average score of 17.00.

A Love Story: Dating Again after 50 Years
By JERRY GALOONIS P'63

JUNE (ISABELLE) HIGHTOWER P'63
and I were classmates for four years. At various times we dated, went to frat parties and, for many Sundays, went to church. Since I commuted and had a car, I was always asked if I wouldn’t mind driving her and a couple of the girls to Mass at St. Francis Church, which was 10 blocks away through a not-so-nice neighborhood. I always said yes because I liked being with her.

During the summers between semesters, I saw June in Massachusetts periodically when my family visited my brother stationed in the Air Force on Cape Cod. After graduation, June returned to work in Massachusetts, and I got drafted into the Army. I only saw her once during those two years. The next couple years I visited her maybe two times, but she seemed to consider me only a friend.

I married in 1969, and she had already married in 1968. We never made contact for 40-plus years. I got the 2011 college directory and noticed June had put her e-mail address in it. Curiosity made me e-mail her and ask, “How you doing?” She told me in general that she had three kids, had lived and worked in Michigan, and then moved to Camp Hill, Pennsylvania, where she was working for Rite Aid. I had already retired from Wyeth Labs in 1999 and moved to Weeki Wachee, Florida, from Paoli, Pennsylvania.

My wife passed away in May of 2012 after a long illness, and June’s husband passed away in 2015. In September, I got a phone call: “Hi, this is June, I have a pharmaceutical question.”

I said, “Really? Why? You’re a pharmacist.”

“Well,” she said, “you were smarter than me in pharmacy school.”

We discussed a concern she had on the medication that her daughter was taking during her pregnancy. She told me she was at her daughter’s in Plant City, Florida. I told her that was about an hour and a half from my house. So I asked her if she wanted to go to church on Sunday and have lunch and talk over old times.

We talked for hours; we probably could have had dinner if we didn’t leave when we did. I saw her at various times when she came down to see her daughter. (I think she came down to see me but who knows?) I even drove her to Hilton Head, South Carolina, to meet her son and his family.

I was on the 50-year reunion committee and suggested she go to it with me as it would be nice to be together and also see old friends. She agreed. Since then, it’s been steady dating for the past two-plus years. The relationship is a distance one, but we are retired, and I have family in Pennsylvania. When I visit them lately I seem to find more time to spend with June. She likewise visits me in Florida (especially in the winter; I wonder why).

I was always curious and had to ask: “You know I really loved you, but you really never returned the affection other than wanting to be good friends.”

June said: “My mother thought you were really a nice boy and very funny, but that I didn’t seem to want to get involved with you. I said, ‘Well, he’s Czechoslovakian and epileptic. I don’t want to marry him because any kids we have will possibly be epileptic or carry the gene.’”

I said, “You got to be kidding. First, I am not ‘Czech’; I’m Lithuanian, and I don’t have epilepsy. My mother was epileptic, not by birth, but she developed it after a rough childbirth with my brother.”

Well, it’s been a fantastic love relationship these past years. I love being with her when we are together and love hearing her voice when we are apart. I feel like a teenager in love. They say distance makes the heart grow fonder. It sure does for me.

They say distance makes the heart grow fonder. It sure does for me.

Jerry Galoonis P'63
Couple Finds Love and Career Path Thanks to USciences
By Katherine Tancredi

The couple, who live in Woolwich Township, New Jersey, with their two children, has USciences to thank for bringing them together, as well as their love for science.

CHRISTOPHER VENA BI’05 and MARIE WINDSTEIN VENA PharmD’07 will never forget their freshman year at University of the Sciences. Not only did they both live in Goodman Hall, but they also took several classes together, including chemistry. The chemistry between the two of them permeated well beyond the classroom, as the two started dating and eventually married in 2009.

The couple, who live in Woolwich Township, New Jersey, with their two children, has USciences to thank for bringing them together, as well as their love for science.

After graduating, Christopher and Marie launched their respective careers in the sciences. Marie currently works as a staff pharmacist at Acme in Runnemede, New Jersey. She learned of the opportunity at Acme while attending a career fair at USciences.

As a senior technologist, Christopher monitors production through continuous process verification. When something goes wrong, he troubleshoots the problem.

“There can be lots of complex mechanical qualities to the machines and issues with quality assays (such as RP-HPLC, SEC-HPLC),” Christopher said. “You need to make sure they’re working properly and have the ability to troubleshoot any problems quickly. The ability to troubleshoot is a key component to solving problems on the manufacturing line. A scientific background is a necessity.”

Both Christopher and Marie frequently draw on their experiences and education from USciences.

Marie references information she learned in a pharmacy over-the-counter elective taught by Remington Professor of Pharmacy DANIEL A. HUSSAR P’62, MS’64, PhD’67. It was one of her most memorable classroom experiences.

“He made you think about how some of that questioning, that scientific rationale, came from the original Greek philosophers,” Christopher recalled. “He talked about how science is heavily rooted in philosophy.”

For Christopher and Marie, their time at USciences was overall a life-changing experience.
Alumni Events

American Society of Health-System Pharmacists (ASHP)
Monday, December 7, 2015
New Orleans, LA

Over 200 alumni, faculty, and PCP students attended the American Society of Health-System Pharmacists reception.


Boca Raton Alumni Gathering
Friday, February 19, 2016, Boca Raton, FL

Several alumni and friends joined interim President Kathleen R. Mayes P’76, PharmD’78 at the Boca West Country Club for a delicious lunch. Some guests were reunited with friends; others started new friendships.


Sarasota Alumni Brunch
Sunday, February 21, 2016, Sarasota, FL

Alumni and friends joined interim President Kathleen R. Mayes P’76, PharmD’78 at Libby’s Café and Bar to rekindle “old” friendships and make new ones.


Advances in Pharmacy CE Symposium
Saturday, February 27, 2016, USciences Campus

Following the Philadelphia symposium, alumni and guests joined Daniel A. Hussar P’62, MS’64, PhD’67 for a reception in the McNeil Science and Technology Center at USciences.


Pennsylvania Pharmacy Reception
Saturday, March 5, 2016, Baltimore, MD

The Pennsylvania Pharmacy Reception, jointly hosted by the Pennsylvania Pharmacists Association and seven Pennsylvania schools of pharmacy, was held during the APhA 2016 Annual Meeting & Exposition. Alumni and pharmacy students from all seven Pennsylvania schools of pharmacy were in attendance.
Tampa Alumni Brunch  
Sunday, March 20, 2016, Tampa, FL  
Alumni and friends joined interim President Kathleen R. Mayes P’76, PharmD’78 at Datz for a delicious brunch:

Left to right: Dave Masterman, Chris Moffatt P’86, and Roger Smith P’70, MS’73, PhD’79.

APhA Annual Meeting  
Sunday, March 6, 2016, Baltimore, MD

Alumni and guests attended a reception at the Hilton Baltimore featuring interim President Kathleen R. Mayes P’76, PharmD’78 and PCP Dean Lisa Lawson, PharmD, HonAlm’15. John Wyeth Dean Andrew Peterson, PharmD, PhD’09 of Mayes College of Healthcare Business and Policy was also on hand to showcase programs in Mayes College.


Left to right: James Appleby P’87, MS, HonDSc’15 and Ed Foote P’87, PharmD’91.

Alumni Cocktail Reception  
Saturday, April 2, 2016, Harrisburg, PA

Alumni and guests enjoyed a cocktail reception at the home of Jeff and Joann S. Lipman, both P’74, in Harrisburg, PA.


Left to right: Stacy M. Rosemarin P’83, Jeff Lipman P’74, and Joann Svrcek Lipman P’74.

USciences International Society  
Thursday, March 24, 2016, USciences Campus

The USciences International Society hosted its fifth annual So You Think You Got Talent show with great success and an amazing turnout. The activities included 10 different acts that varied from dancing to singing to spoken words. The USciences Alumni Association made a generous donation to help make the event extremely successful.

Left to right: Hong Jin Na PH/TX’92, BW’01; Scott Greene P’92, MS’14; Cameron Golden PharmD’18; Irina Katz PharmD’18; assistant professor of biology Dr. Grace Farber; library night coordinator Beatrice Bolger; and Sareen Streeter PharmD’18.
Alumni Events

3rd Annual Bowl-A-Thon
Tuesday, April 5, 2016, Philadelphia, PA

The PCP APhA-ASP chapter and the USciences Alumni Association hosted the 3rd Annual Bowl-A-Thon for an enjoyable evening at PEP Bowl.


Celebrating Patty O’Hagan
Wednesday, April 6, 2016
USciences Campus

In honor of 38 years of dedicated service to the University by Patty O’Hagan HonAlm’06, USciences students, faculty, and staff celebrated her pending retirement as student activities administrator. Patty officially retired in July and to express her gratitude and appreciation for what the University has given to her, Patty made a donation to the ICON fund in honor of former dean of students Dr. Frank Roia HonAlm’83. She also issued a challenge to University students to match her gift and they rose to the occasion.

Meet the New Alumni Officers
Friday, April 8, 2016, USciences Campus

Meet the newly elected officers and directors of the USciences Alumni.

Student Appreciation Day
Friday, April 15, 2016, USciences Campus

Students, faculty, staff, and alumni enjoyed themselves throughout the afternoon at the annual Student Appreciation Day—plenty of delicious food, activities, music, and tokens of appreciation were distributed to the students compliments of the USciences Alumni Association.


Left to right: Marlene Mentzer P’81, director; Rosemarie O. Halt P’89, MPH’12, treasurer; Scott Greene P’92, MS’14, director; Siobhan Duffy P’84, BW’05, president; Lorri Halberstadt P’83, director; and Peter Dalidowicz C’90, PhD, director. Not pictured: Patricia C. Walsh MT’83, BW’01, MBA, secretary; Meredith C. Bishop P’96, PharmD’97, director; Joan Miller MPH’13, CPhT, director; and Oleg Zvenigorodsky PharmD’08, director.

Left to right: Mike Dejos PharmD’13; Teresa Pete Dowling P’72, PharmD’74; director of University development Nancy Mansfield; assistant director of alumni relations Pat McNelly HonAlm’08; Art Blatman P’69; Marlene Mentzer P’81; Lynelle White, assistant to the chair of health policy; director of alumni relations Casey Ryan; Rosemarie O. Halt P’89, MPH’12; Dan Hussar P’62, MS’64, PhD’67; and Hong Jin Na PH/TX’92, BW’01.
Kappa Epsilon Reunion

Saturday, May 14, 2016, USciences Campus

More than 90 sisters of the Omicron Chapter of Kappa Epsilon Fraternity attended a reunion on USciences’ campus. There were representatives from 70 different class years from 1946 to 2016, including Eleanor Brown Gordon P’46, Omicron’s founding president, and eight members of this year’s graduating class of 2016. It was an amazing evening of sisterhood, sharing memories, and fund raising, honoring the founder and the USciences chapter.


Social networking events such as these are made possible by alumni contributions. Your generosity to the Annual Fund is the core of USciences. Without your contributions, we simply could not provide the breadth of enriching programs and experiences that have become the trademark of USciences allowing our amazing students to thrive. Thank you for your continued generous support.

Save the date!

2016 REUNION @ FALL FEST

November 5–6, 2016

Celebrating graduating classes ending in 1s and 6s with special recognition for class of 1991 (25-year) and 1966 (50-year Golden Graduates).

ALL ARE WELCOME!
Alumni Events

Victory Brewing Company Event
Saturday, April 30, 2016
Parkesburg, PA

Several alumni and friends joined Matthew J. Farber, PhD, director of the brewing sciences certificate program, to discuss the program and, of course, beer. Victory Brewing Company offered a well-received tour of the facility during the event.

Left to right: Rob McNutt P’77 and board of trustees member Jim Rivard P’81, MBA.

195th Commencement Ceremony
Wednesday, May 25, 2016
The Liacouras Center, Philadelphia, PA

5th Annual Bachelor’s Degree Conferment Ceremony
Friday, May 20, 2016, USciences Campus

Left to right: Kimberley C. Ciarlante P’87 (mother), Brandon Ciarlante PharmD’18, and Peter Curcio P’63 (father).

Left to right: Joseph Ligotski P’84 (father), Brianna Ligotski DPT’18, Michelle J. Ligotski P’88 (mother), and Eric Ligotski (brother).

Left to right: Frank T. Byerly P’79 (father) and Ian Byerly PharmD’16.

Left to right: Sandra Heinbach-Oesterle P’84 (mother) and Mara Oesterle PharmD’18.

Left to right: Jennifer Premus PharmD’14 (sister) and Kristen Premus DrOT’16.

Left to right: Jincy A. Varughese DPT’12 (sister) and Julie Varughese PharmD’16.

Left to right: Sapna Shah PharmD’13 (sister) and Sagar Shah PharmD’16.

Left to right: Ellen Noel PharmD’16 and Jeff Noel P’82 (father).

Left to right: Ashley Lauver PharmD’15 (spouse) and Bradley Lauver PharmD’16.

Left to right: Don Goldberg P’83, Joe Ligotski P’84, Lorri K. Halberstadt P’83, and Dan Halberstadt P’83.
Class Notes
Compiled by Pat McNelly

1968

PAUL BAKER C'68 has been named as the recipient of the Good Scout Award, presented to a notable community member in recognition of his or her service to the youth of the community and for exemplifying the Scouting values of citizenship, character development, and physical fitness.

1978

Left to right: Lee (Jim) Daneker P'62, MS'68, PharmD’71; Sue F. Hussar P'67; Daniel A. Hussar P'62, MS'64, PhD’67; Pat Carroll-Hussar P'67; Daniel A. Hussar P'62, MS'68, PharmD'71; Sue F. Left to right: Lee (Jim) Daneker P'62, MS'68, PharmD’71; Sue F. Hussar P'67; Daniel A. Hussar P'62, MS'64, PhD’67; Pat Carroll-Hussar P'67; Daniel A. Hussar P'62, MS'68, PharmD'71; Sue F.

PATRICIA CARROLL-GRANT P'78 was awarded the Bowl of Hygeia at the Delaware Pharmacists Society 130th Annual Convention in Dewey Beach, DE. Established in 1958, the Bowl of Hygeia Award recognizes pharmacists who possess outstanding records of civic leadership in their communities and encourages pharmacists to take active roles in their communities. As coowner of Cape Pharmacy since 2013, Patricia says community outreach has always been an important part of her business.

COLLEEN O. KAYDEN P’78 was recently the moderator for the Know Pain, Know Gain Competition that was held during the Pennsylvania Pharmacists Association Mid-Year Conference. All PCP students are permitted to sign up but competition is mostly geared around third- and fourth-year students.

1980

HERVON VON GOERRES P’80 was honored by the Delaware Pharmacists Society at the 130th Annual Convention in Dewey Beach, DE, with the Cardinal Health Generation Rx Champions Award. The award recognizes a pharmacist who has demonstrated excellence in community-based prescription drug abuse prevention. The award is intended to recognize outstanding efforts within the pharmacy community to raise awareness of this serious public health problem.

1984

JAKE SHERK P’84, BC, along with coowner Tim Zuch of Sloan Pharmacy, was featured in Pennsylvania Pharmacist: “Sloan’s Pharmacy: Giving Back to the Hometown Community.” Jake was hired as a pharmacy technician at a young age and then went on to get his pharmacy degree at Philadelphia College of Pharmacy.

1985

MARC RABIN P’85, MD, received The Outstanding Service Award at the Maternal and Family Health Services (MFHS) Annual Meeting on October 28, 2015. In addition to serving as the medical director of MFHS since 2008, Marc is a partner of an ob/gyn group practice in the Scranton area, where he’s been since 1996; is on the medical executive committee at Moses Taylor Hospital; and is on the clinical faculty at The Commonwealth Medical College in Scranton.

1991

ORSULA VOLTIS KNOWLTON P’91, PharmD’93, MBA, was elected secretary serving on the Samaritan Healthcare and Hospice board of trustees for 2016. Orsula of Moorestown, NJ, is president of CareKinesis, Inc., an organization partnering with accountable care organizations to provide and coordinate medicine management services for individuals with complex medical needs.

1992

HONG JIN NA PH/TX’92, BW’01 was presented with the 2016 Teva President’s Club Award. The President’s Club Awards are given to individuals who deliver the highest performance in their functional area and deliver superior contributions. Award winners are from the field organizations as well as the home office, and criteria include one or more of the following: field attainment figures, living the values, and contributing achievements that transcend their immediate roles and departments. This is Teva’s highest recognition. Jin’s functional area is medical education within North America medical affairs, which was achieved during his first year with Teva.

1994

MICHAEL CAWLEY P’94, PharmD’96, RRT, CPFT, FCCM, professor of clinical pharmacy, recorded a series of videos during the American Pharmacists Association 2016 Annual Meeting and Exposition in Baltimore, MD. The recordings discuss numerous topics, including why it is important that patients know which medication they should use in a particular situation: “How Pharmacists Can Help Patients Remember Which Medication Is Used for Which Problem.”

1996

MARVIN SAMSON HonAlm’96, HonDSc’16 was named the Humanitarian Award recipient by the Virtua Foundation. He was formally honored at the 2016 Virtua Gala on March 5, 2016. The award recognizes an individual or organization that significantly contributes to the health and well-being of families in the community. Samson, a resident of Moorestown, NJ, and FL, is the first recipient of this award. He is the founder and CEO of Samson Medical Technologies LLC, a company that specializes in injectable drug delivery systems and programs for hospital and alternate site pharmacists. He holds five patents related to pharmaceutical manufacturing and has served as chairman of the board of trustees of University of the Sciences. Marvin also received an honorary doctor of science degree at the 195th Commencement Ceremony on May 25, 2016.

2000

MICHAEL CASTAGNA P’00, PharmD, MBA, recently joined the MannKind Corporation as its chief commercial officer. Michael will lead commercialization efforts for Afrezza and will serve on MannKind’s executive leadership team. Michael has over 20 years of experience in the healthcare, pharmaceutical, biotech, and specialty pharmacy industries. He joins MannKind from Amgen, Inc., where he spent over three years as vice president, global commercial lead, for a portfolio of nine biosimilar drugs, and vice president, global lifecycle management.
Class Notes

2004
Atlantic City Weekly joined forces with the Greater Atlantic City Junior Chamber of Commerce (Jaycees) in 2005 to establish the Top 40 Under 40. Among those named in the class of 2016 is PAUL AMALFITANO MPT’04, DPT’07. Paul is the center manager of the Nova Care Rehabilitation Center in Brigantine, NJ. For the past three years, Paul has organized and coordinated for the volunteer committee’s nonprofit effort to help rebuild Shark Park Playground in Brigantine. Paul is an officer in the Knights of Columbus, a member of the Brigantine Chamber of Commerce, and on the City of Brigantine Recreational Committee. He is also on the selection committees for the Brian Woods Scholarship and the Brayces Smile for a Lifetime Foundation. A 38-year-old father of three, Paul’s focus is on family, faith, community, and making a positive impact through involvement every day.

2006
University of the Sciences recently hired RICH SAUNDERS B’06, DPT’14 as head coach of the women’s volleyball team. Rich had served as the team’s assistant coach for the past two seasons. During his time as assistant coach, Rich earned the respect of his players and colleagues alike, and his knowledge of the USciences community has proven to be an invaluable commodity.

2009
ANDREW PETERSON PharmD, PhD’09 was elected a fellow of the College of Physicians of Philadelphia during an induction ceremony on November 20, 2015. Andrew was also interviewed by KYW1060 for its segment “Cost of Insulin Rising In Recent Years.” Read more: http://philadelphia.cbslocal.com/2016/01/05/insulin-cost/

ISHA S. SHAH-JOHN PharmD’09 is now director of pharmacy at Howard County General Hospital in Columbia, MD.

2010
AUTUMN BOMBOY B’10 and Justin Miller were married on November 5, 2015. Pictured left to right: SARA ANZABI PharmD’13, Haley Bomboy, Autumn, and LAUREN STAHLEY PharmD’12. The USciences alumnae are all sisters in Alpha Sigma Tau (AST).

RICHARD DIGIACOMO DPT’10 was named head coach of the Devils men’s and women’s cross country teams.

2011
LAUREN ELIZABETH MIZENKO PharmD’11 and Jason Patrick Kilduff were united in marriage on July 18, 2015, at Holy Trinity Church, St. Elizabeth Ann Seton Parish, Swyersville, PA.

MAGGIE MURPHY RANDAZZO PharmD’11, was interviewed by the Press of Atlantic City for the article “Pharmacists Underused in Confusing Health-Care Landscape.” Maggie, who works at Shore Medical Center, is quoted as saying, “Pharmacists are the most accessible health care providers out there. Walk into any Walgreens or CVS and a pharmacist is there to help you. I’d like to think of us as public health advocates.” Read more: www.pressofatlanticcity.com/life/pharmacists-underused-in-confusing-health-care-landscape/article_58badd20-950f-11e5-bd51-3bc55f416fe9.html

2012
SUSAN CUSACK PhD’12, executive director of Mercy Catholic Medical Center, was featured in the Philadelphia Business Journal article “Phila. in the Vanguard for Female Hospital Execs.” Women serve as top executives and administrators at one-third of the area’s hospitals and health systems, making the Philadelphia region well ahead of the national average. Read more: www.bizjournals.com/philadelphia/print-edition/2016/01/29/phila-in-the-vanguard-for-female-hospital-execs.html

LAUREN DAVIS PharmD’12 and Cody Moulder were engaged on March 12, 2015, in Hawaii. They were married on May 28, 2016, at the Inn at Pocono Manor.

2013
AMANDA MARIE FIDLER PharmD’13 and Joshua Mark Houtz of Lebanon, PA, were married October 10, 2015, at Stoudt’s Brewery in Adamstown, PA. The couple honeymooned in Germany.

DANIELLE HAAS PharmD’13 and Allan Karaffa, both of Scranton, PA, were united in marriage on June 20, 2015, at Nativity of Our Lord Church at St. John Neumann Parish, Scranton, PA.

SASHA R. LISOWSKI Bi’13, MS, has been accepted into vet school at Midwestern University. This long-time dream will become a reality as she begins her classes this fall. After graduating from USciences, Sasha completed an MS degree in 2015 from East Stroudsburg University.
NOTES TO SHARE? Send your class notes to alumni-relations@uscience.edu or use the form on page 28.

CORRECTION: The following item is being reprinted as a correction from The Bulletin Volume 103, No. 2. Our apologies for the wrong photo in the original note.

THOMAS BAYES HOLLIS P’37 passed away peacefully on Monday, February 8, 2016, surrounded by his loving children. He was 101. Born and raised in the Germantown section of Philadelphia, he resided in Glenside for 60 years before moving to Ann’s Choice Retirement Community in Warminster in 2013. He was preceded in death by his parents, Frank and Edna, and brothers, Frank and James. He was the loving husband of Eleanor Willier Hollis for 46 years. Tom graduated from the Philadelphia College of Pharmacy and Science in 1937. He proudly served in the U.S. Navy during World War II. A registered pharmacist, he entered the U.S. Navy Reserves as a pharmacist mate at the Philadelphia Naval Hospital in 1942 and graduated from the USNR’s Notre Dame Midshipman School in 1943. He was an ensign aboard the USS Miantsonomah mine layer and a lieutenant aboard the USS Panamint communications flagship during the Battle of Okinawa, Japan. Tom was the officer on deck who navigated the USS Panamint into Japan for the formal surrender of their Ominato Naval Base in September 1945. He was a USNR reservist until 1954. Web links to live interviews of his war experiences, recorded just before he turned 100, can be viewed at the U.S. Navy Memorial at http://navylog.navy.military.org/story-month-September-2014. Tom was a pharmaceutical representative for Abbott Laboratories for 33 years. He was an active member of the Glenside UCC for about 60 years, serving as a deacon, elder, and head usher. He was most happy when he was with family and friends, playing golf, billiards, pinochle, and bridge, and vacationing at the Jersey Shore. He is survived by three children, Judy, Nancy (Joe), and Tom; five grandchildren; and 14 great-grandchildren.

IN MEMORIAM

Michael R. Ronco P’55
Lisa Marie Shuta P’91
Robin Ressler P’75
Alliene Brittingham P’45
Jules M. “Jack” Tickner P’51
Mary Louise Tigue Andersen P’52, MS’66, HonDSc’11
Wendell D. James, Jr., P’74
Francis M. Marusco P’49
Thomas Bayes Hollis P’37
Stanley S. Baier P’52
Ronald Craig Hoover P’77
Tamara Rochford Claire MPT’00
George Yacoubian, P’59

November 30, 2015
December 7, 2015
December 11, 2015
December 20, 2015
December 24, 2015
January 10, 2016
January 11, 2016
January 18, 2016
February 8, 2016
February 13, 2016
February 20, 2016
February 28, 2016
February 29, 2016

Walter E. Cwiklik P’52
David Ziv BAC’50, MS’51
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Robert Bruno P’89
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Bernardo S. Doganiero P’39
William Terry Wentzel P’62

March 5, 2016
March 22, 2016
March 30, 2016
April 4, 2016
April 8, 2016
April 11, 2016
April 15, 2016
April 17, 2016
April 20, 2016
April 29, 2016
May 4, 2016
May 8, 2016
May 18, 2016
May 23, 2016

BERNARDO (BEN) DOGANIERO P’39 passed away on May 18, 2016, at the age of 99 in Moorestown, NJ. Beloved husband of Anna Doganiero (nee Gramenzi); dear father of Jacqueline (John) Minniti and Robert (Joanne) Doganiero; loving grandfather of six; and great-grandfather of nine; dear brother of Antonio, Enrico, Roberto, and all the late Frank, Carmella, Dominic, and Anna. Ben was a proud WWII Army veteran who served five years in England and France. Ben owned and operated his own pharmacy in Camden for many years.

2015

COURTNEY MONTEPARA PharmD’15 wrote a children’s book titled Sam the Porcupine and His Quills of Courage that was published in December 2015. Learn more: https://mascotbooks.com/mascot-marketplace/buy-books/childrens/sam-the-porcupine-and-his-quills-of-courage/
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DEGREE/PROGRAM ABBREVIATIONS

BAC Bacteriology
BC Biochemistry
BI Biology
Bioinf Bioinformatics
BW Biomedical Writing
C Chemistry
CB Cell Biology
CS Computer Science
DPT Doctor of Physical Therapy
DrOT Doctor of Occupational Therapy
ES Environmental Science
ESWM Exercise Science and Wellness Management
HonAim Honorary Alumnus/a
HonDSc Honorary Degree (Science)
HPsy Health Psychology
HS Health Science
HumSci Humanities and Science
IndP Industrial Pharmacy
MB Microbiology
MBA Master of Business Administration
MEdC Medicinal Chemistry
MOT Master of Occupational Therapy
MPH Master of Public Health
MPT Master of Physical Therapy
MS Master of Science
MSPAS Master of Science in Physician Assistant Studies
MT Medical Technology
OrgC Organic Chemistry
P Bachelor of Science in Pharmacy
PA Physician Assistant
PAd Pharmacy Administration
PharmD Doctor of Pharmacy
PhB Pharmaceutical and Healthcare Business
PhC Pharmaceutical Chemistry
PhCogn Pharmacognosy
PhD Doctor of Philosophy
PhG Graduate in Pharmacy (equivalent to P that is used today)
PhSci Pharmaceutical Sciences
PhTech Pharmaceutical Technology
PH/TX Pharmacology and Toxicology
PHYS Physics
PMM Pharmaceutical Marketing
PrePro Pre-Professional
Psy Psychology
STC Certificate in Science Teaching
TX Toxicology

The Bulletin welcomes feedback from its readers on articles, the events that take place on campus, or even about the University itself. Send them via fax, e-mail, or mail to:

BRIAN KIRSCHNER
Editor, Bulletin

Phone: 888.857.6264
Fax: 215.596.7596
E-mail: b.kirschner@usciences.edu
Mail: Letters to the Editor
c/o Bulletin
University of the Sciences
600 South 43rd Street
Philadelphia, PA 19104
Dr. Lisa Lawson Steps Down as Dean of PCP

Dr. Lisa Lawson, PharmD, HonAlm’15, will be stepping down as dean of PCP and return to the faculty where she will retain the title of Barbara H. Korberly Professor in Women’s Leadership and Health. Dr. Lawson will remain dean during this transitional phase as the University launches a national search to replace her.

Dr. Lawson, who was the first woman chosen for this prestigious position, leaves the dean’s office after positioning PCP for future success with a new competency-driven curriculum for the doctor of pharmacy program and the college’s recent reaccreditation by the Accreditation Council for Pharmacy Education (ACPE). During her leadership PCP has benefitted through an enhanced student-to-faculty ratio, new student-centered initiatives, and improved student outcomes.

When asked about her changing role, Dr. Lawson said that “a confluence of factors, both personal and professional, have led to this decision. With the hard work of developing the Ready+4 professional phase of the PharmD degree completed and our reaccreditation by ACPE, the timing felt right for me to step down from the role of dean and turn the reins over to someone else. I look forward to helping the next dean lead PCP as we approach our 200th anniversary in five years in order to carry on the legacy of shaping the practice and education of pharmacy.”

Dr. Lawson joined the faculty at PCPS in 1982 as an assistant professor of clinical pharmacy and served as a drug information consultant at the Philadelphia Veterans Administration Medical Center and adjunct assistant professor of clinical pharmacy in medicine at University of Pennsylvania for several years. She has held several administrative positions, including director of the doctor of pharmacy program (1989–1994), assistant dean of pharmacy (1994–2006), associate dean (2006–2008), vice dean (2008), and interim dean (2008–2010).

An accomplished writer and speaker, Dr. Lawson’s research interests include pharmacokinetics and curricular implementation and development. She is the recipient of the 2015 honorary alumnus award from the USciences Alumni Association, the Paul F. Parker Award from the University of Kentucky, and the KE Career Achievement Award from Kappa Epsilon Fraternity.
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