Three-Part Series on the Opioid Crisis: From Policy to Education to Research
Pages 3 to 10
Our brand-new website launched this past January, and we’re so excited to share it with you! This new presence offers:

- **A fresh structure and navigation** with an emphasis on the site visitor.
- **An accessible, responsive, mobile-friendly interface** that works well with any device and provides easy integration with popular social media platforms.
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COVER STORY

Opioid Crisis

Bringing Lessons from the Front Lines of Opioid Crisis to the Classroom

Page 3
Three USciences representatives served on subcommittees for The Mayor’s Task Force to Combat the Opioid Epidemic in Philadelphia.

USciences 15th Annual Research Day Takes on the Opioid Epidemic

Page 6
Students present opioid-related research projects at the 15th Annual Research Day.

Making the Connections: Opioid Use

Page 8
Effectively responding to the opioid addiction crisis will require a paradigm shift by physicians and pharmacists, as well as the general public.

FEATURES

The Class of 2017: Meet Four Impressive Graduates

Page 12
Recent alumni are ready to make an impact.

Marie Curie: Honorary Member of Philadelphia College of Pharmacy

Page 14
Could University-housed papers from the famed scientist be radioactive?

NIH Visit Focuses on Expanding Interprofessional Research Opportunities

Page 18
Faculty and staff had the chance to build relationships for future funding.

DEPARTMENTS

From the President

Page 2

Bulletin Board

Page 19

Sports in Short

Page 21

From the Alumni Association President’s Pen

Page 22

Alumni Events

Page 23

Class Notes

Page 26

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• Share stories
• Leave comments
• Get more...photos, news, connections
Dear Alumni and Friends,

So much has changed in our nearly 200-year history, and for University of the Sciences to continue to thrive in today’s evolving landscape of higher education and healthcare, we must continue to position ourselves for the future. We are committed to becoming the higher education institution of choice for those interested in careers in the science and health professions.

The University embarked on a program review and prioritization process in February 2016. This comprehensive, campus-wide programmatic evaluation examined our credit and noncredit programs to provide a snapshot of our institution. At the same time, we were also preparing a fiscal 2017–18 budget, which was trending a significant deficit.

Through both of these processes, we learned USciences is delivering the right programs, but the cost to deliver these programs is too high. Quite simply, the University was not correctly “right sized” for future success. Following the program review process, the USciences board of trustees endorsed a repositioning and restructuring of the University that included cuts to certain programs as well as programmatic investments and a reduction of some staff and faculty positions.

Of the difficult decisions that were made, the most passionate feedback from alumni and students was in response to the elimination of the women’s and mixed rifle teams and the cut to the music minor. For rifle, while the program has brought the University much pride, our evaluation determined that it was not a recruiting tool and that sponsorship by other schools around the nation was declining. For music, we were sensitive to the program providing a creative outlet for students, but ultimately determined that it was not one of our core offerings as a minor. The University would be better served to support music as a club activity.

We realize that any decisions made would have a real impact on some segment of the USciences community. One thing that became clear during our process is that change is essential for the University to continue to evolve and thrive. The decisions that were made were difficult ones and intended to ultimately serve the best interests of our current and future students.

I am pleased to report that through all of the actions taken this past June, the University achieved a balanced budget for the 2017–18 fiscal year, and we are now positioned for long-term financial stability. This gives us the momentum to meet the needs of a “new” USciences through new programs, facilities, and partnerships. With your support, we will continue to be an institution that is both historic and innovative.

On behalf of the University of the Sciences faculty, staff, students, and trustees, thank you for your continued dedication. I’m looking forward to a great year ahead!

Sincerely,

Paul Katz, MD

President
Bringing Lessons from the Front Lines of Opioid Crisis to the Classroom

By Jenna Pizzi

With the goal to identify short- and long-term solutions to the opioid crisis, three representatives from University of the Sciences were chosen to serve on subcommittees for The Mayor’s Task Force to Combat the Opioid Epidemic in Philadelphia. The faculty shared their expertise regarding the impact of the epidemic, while also gaining valuable insights to bring back to the classroom as they guide the next generation of healthcare professionals.

“Heroin and fentanyl have become a serious public health issue in Philadelphia,” said GEORGE DOWNS PharmD’72, professor of clinical pharmacy and dean emeritus of Philadelphia College of Pharmacy, who also teaches a course on substance abuse and serves on the Public Education and Prevention Strategies Subcommittee. “Anything that we can do to assist in reducing the misuse of opioids will be of value. This is not a one-person issue, and all of us must collaborate to deal with the problem.”

Continued on page 4
It is my hope that the outcomes of our efforts are policies and initiatives that will reduce overdose and associated harmful health and social impacts of opioid use.”

AMY JESSOP, PHD, MPH, associate professor of health policy and public health and a board member of Prevention Point Philadelphia

The task force was convened in January 2017 to tackle this crisis, which has led to 900 overdose deaths in 2016 in Philadelphia. Cochaired by Arthur Evans, Jr., PhD, commissioner of the department of behavioral health and intellectual disability services, and commissioner of health Thomas Farley, MD, MPH, the task force brought together a broad cross section of stakeholders who are affected by the epidemic.

“It is my hope that the outcomes of our efforts are policies and initiatives that will reduce overdose and associated harmful health and social impacts of opioid use,” said AMY JESSOP, PhD, MPH, associate professor of health policy and public health and a board member of Prevention Point Philadelphia. Dr. Jessop said that the Data Analysis and Sharing Subcommittee on which she was a member included people whose expertise and perspective on the issues differ, thus providing invaluable real-world ideas to address the crisis.

The subcommittees revealed the need for more rehabilitation beds for those who are ready and seeking help, said Dr. Downs. In general, he said, there should be a reset in the way doctors treat addiction; they should think about it more as a disease than a choice.

“Evidence-based treatments such as methadone, buprenorphine, and naltrexone given alongside quality psychosocial supports should be made available to patients. And they should include those in jail, on probation or parole, or in drug courts,” said GAIL GROVES SCOTT MPH’16, a health policy fellow in addiction studies at USciences Mayes College of Healthcare Business and Policy, who was on the Justice System, Law Enforcement, and First Responders Subcommittee.

“We can’t keep doing just what we have been doing,” said Scott. “We are hearing from the community and other stakeholders that this crisis calls for some bold choices, which could include implementing controversial measures like opening ‘safe sites’ where people can go, even if they are still consuming illicit substances, where providers can engage in overdose prevention and provide social supports.”

The committee finalized its recommendations in a report issued on May 19, 2017 (read the full report at www.phila.gov/opioids). However, Dr. Jessop, Dr. Downs, and Scott had already begun applying in the classroom the lessons learned through their participation.

“This experience on the task force subcommittee has allowed me to share real-time epidemiologic data and the policy development process with my students,” said Dr. Jessop.

Dr. Downs has made connections with several of the fellow committee members, creating partnerships and opportunities for students to get involved.

All USciences pharmacy students are taught how to administer naloxone
and how to counsel individuals on its proper use to stop a drug overdose. Through partnerships, Dr. Downs was able to expand this effort with USciences students involved in Generation Rx and Prevention Point Philadelphia. The students, with faculty, mentors, and Prevention Point volunteers, teamed up to convince pharmacies to stock the drug, which is supposed to be available to anyone in Pennsylvania who requests it, even without a prescription. (See page 10 for more on this effort.)

“This past spring our students went around to various pharmacies to talk with pharmacists about providing naloxone in an effort to address their concerns,” said Dr. Downs. “It is a complex topic and there is no easy answer; however, by talking through the issues, we hope to increase the availability of this lifesaving drug.”

Scott, who is leading the University’s addiction studies work and will spearhead the launch of the University’s Substance Use Disorders Institute, said the task force has shown her where there are gaps in knowledge and research regarding interventions.

“By expanding our efforts to educate healthcare providers about substance use disorders and perhaps the intersection with pain management, we can provide more continuing education programming about the new guidelines and regulations regarding prescribing or dispensing opioids and overdose prevention medications,” said Scott.

“Evidence-based treatments such as methadone, buprenorphine, and naltrexone given alongside quality psychosocial supports should be made available to patients, including those in jail, on probation or parole, or in drug courts.”

GAIL GROVES SCOTT MPH’16, a health policy fellow in addiction studies at USciences Mayes College of Healthcare Business and Policy
USciences 15th Annual Research Day Takes on the Opioid Epidemic

By Jenna Pizzi

From examining the best tools for doctors to combat opioid abuse to considering alternative forms of pain management and treatments, the opioid epidemic was a trending topic at this year’s 15th Annual Research Day on Thursday, April 6, 2017. The opioid-related projects on display spanned all four colleges and focused on different factors that contribute to the opioid epidemic.

The Research Day event included more than 240 poster presentations by students from across the University’s four colleges, with their posters taking over two gyms in the Athletic/Recreation Center.

Video: usciences.edu/OpioidResearchDay17
Photos: flic.kr/s/aHskUrv7Nv
CHRISTOPHER GERACI PHB’17 polled physicians about the factors they believe are contributing to the opioid epidemic and tallied their thoughts on a universal solution to the problem. Geraci found that physicians favor the creation of a Prescription Drug Monitoring Program (PDMP) that crosses state lines. Several states have created PDMPs, requiring physicians to enter into a database information about patients to whom they are prescribing opiates. The information is then shared with other physicians to prevent patients from “doctor shopping” to get multiple opioid prescriptions.

TREVOR DATZ PHB’17 studied the use of Prescription Drug Monitoring Program (PDMP), which recently became mandatory for physicians to use in Pennsylvania, and determined that doctors find they will be useful in identifying individuals misusing opioids.

AMANDA LUCAS MPAS’17 examined the effectiveness of Suboxone® as a maintenance treatment for patients who have become dependent on opioid medications. Suboxone is a medication often used to help those addicted to heroin stop using the drug but has not been studied widely as an alternative for patients using opioids. Lucas found that Suboxone can be used as part of an individualized treatment plan for long-term use in opioid-dependent individuals.

SONIA JACOB PharmD’20 presented information from an ongoing research project examining what factors influence healthy, pain-free students to choose a method of pain treatment given different circumstances. The research project asked students to determine what factors may persuade them to request pain treatment, such as opioids, versus other medications or treatments. Jacob hopes to better understand what factors patients use to determine their level of pain and desired treatments.

ERIN GRANNAN PharmD’17, TAYLOR JONES PharmD’17 (not pictured), and MAURA JONES PharmD’17 used their pharmacy practice rotation in Jamaica as a way to examine pain management options when opioids are not available. The students found they were able to manage pain for their patients, including those with chronic pain, in the absence of opioids with the use of NSAIDs or non-habit-forming pain medications.
Effectively responding to the opioid addiction crisis will require a paradigm shift by physicians and pharmacists, as well as the general public, according to panelists on the Mayes College of Healthcare Business and Policy’s “Making the Connections: Opioid Use” panel discussion.

The March 16 panel moderated by GAIL GROVES SCOTT MPH’16 featured Philadelphia commissioner of health Thomas Farley, MD, MPH; Pennsylvania deputy secretary for health innovation Lauren Hughes, MD, MPH, MSc, FAAFP; and Brooke M. Feldman, BSW, director of recovery support and health promotion for Achara Consulting.

Dr. Hughes said removing the stigma frequently associated with addiction is part of the paradigm shift in thinking needed in the medical community, in part because opioid addiction is frequently the result of medical treatment.

“This is truly a public health crisis,” Dr. Hughes said, noting about 10 people across Pennsylvania overdose from opioids each day. “This is not just an urban issue—it’s a rural issue, also.”

The crisis of opioid addiction has its genesis in the adoption of pain management protocols pushed in the 1990s by patient support groups and pharmaceutical manufacturers. The resulting focus led to greater reliance on opioids, and from 1999 to 2010, the rate of growth of opioid sales was paralleled by the rate of growth for treatment admissions for opioid addiction, as well as the rate of growth of overdose deaths from opioids.

But the stigma associated with drug addiction that it is a moral failing, rather than a disease, may be preventing more success in the fight against opioid addiction. Even the state’s efforts to provide naloxone
to first responders or make it more accessible to the general public as an effective treatment to prevent overdose deaths is hampered by attitudes toward drug addiction. Dr. Hughes said such attitudes mean some pharmacies do not stock naloxone, or if they do, it is not placed where it is visible to customers.

“I know a lot of pharmacists aren’t carrying [naloxone],” USciences student NATASHA STROEDECKE PharmD’19 said after the presentation. She added that she was glad to hear the state is working on increasing access to the lifesaving drug.

Dr. Hughes said physicians and other medical practitioners are learning how to discuss addiction with their patients, which she said will help break down the stigma.

“I think we’ll continue to see more and more destigmatization as it is discussed more and more and becomes more mainstream,” Dr. Hughes said.

Dr. Farley worries focusing on overdoses may not provide the most effective solution to the current epidemic. He said the city of Philadelphia saw 900 overdose deaths from opioids in 2016, a year in which he estimated approximately one in 10 city residents—more than 150,000—received more than one prescription for an opioid.

“We’re not going to fix it focusing on the 900,” he said. “We need to focus on the 150,000.”

Dr. Farley added the city estimates about 55,000 residents are currently using heroin, another 55,000 are abusing opioids, and 14,000 are in publicly funded opioid dependence treatment programs.

While Philadelphia has a slightly higher rate of opioid use than Pennsylvania, which itself has a slightly higher rate than the nation, the current opioid crisis is having impacts across all demographic groups.

“There’s the stigma: You assume it’s someone who got it on the streets, but it could be a kid who gets his hands on something,” Stroedecke said, highlighting the perception that addiction is a moral failing, rather than a disease.

In response to the rapid growth of opioid addiction and abuse, the state and city have launched programs aimed at reducing long-term use of opioids. Prescribing guidelines intended to reduce reliance on opioids for pain management have been developed but often encounter pushback from patient support groups and manufacturers.

“There are still people out there profiting from prescription sales, so there’s resistance,” Dr. Farley said.

Continued on page 10
Students involved in USciences Generation Rx embarked on an outreach effort to educate Philadelphia pharmacists about the state of Pennsylvania’s standing order to prescribe naloxone, even to those without a prescription. The outreach organized by DANIEL VENTRICELLI, PharmD, MPH, earned the students recognition from Philadelphia City Council. Listen to WHYY’s story about the project and watch video from Temple University’s Philadelphia Neighborhoods journalism project: usciences.edu/PCPNaloxone17

The state is also launching a Prescription Drug Monitoring Program (PDMP), which could help pharmacists and physicians intercede with patients at risk. USciences student JOE FALBO PharmD’19 said he believed pharmacists using the PDMP could play an important role in battling the opioid crisis.

“We’re at a good position where we can intervene,” he said after the presentation. “I think if we do that, we can help.”

In response to an audience question regarding the efficacy of addiction treatment facilities, Feldman said addiction can ultimately only be addressed with “the right support for the addict at the right time and in the right place.”

“Recovery happens in the community; it doesn’t happen in the treatment center,” Feldman, who battled addiction for many years before her recovery, said. “I was a model patient in treatment—they had pictures of me on the walls. But an hour after leaving, I’d be using again.”

Perhaps the biggest challenge to addressing the crisis will be making the necessary changes to policies conflicting with best practices for treating addiction, such as emphasizing law enforcement over treatment or limiting insurance coverage for treatment.

“There’s a significant dichotomy between the policy and practice for treating opioid addiction,” ANDREW M. PETERSON, PharmD, PhD’09, the John Wyeth Dean of Mayes, said in his introduction to the program. “Policies in place prevent treatment for thousands of individuals.”

That may be changing, however, as more people learn about the current crisis.

An audience member asked if the panelists could provide contact information to share with people who are in addiction. Dr. Hughes directed anyone seeking more information about treatment options to visit the Pennsylvania Department of Drug and Alcohol Programs at apps.ddap.pa.gov/gethelpnow, or call 1-800-662-4357. Dr. Farley added the City of Philadelphia provides information on local services at dbhids.org/addiction-services.

Pharmacy Students Help Educate Philly Pharmacists about Naloxone

Students involved in USciences Generation Rx embarked on an outreach effort to educate Philadelphia pharmacists about the state of Pennsylvania’s standing order to prescribe naloxone, even to those without a prescription. The outreach organized by DANIEL VENTRICELLI, PharmD, MPH, earned the students recognition from Philadelphia City Council. Listen to WHYY’s story about the project and watch video from Temple University’s Philadelphia Neighborhoods journalism project: usciences.edu/PCPNaloxone17

Left to right: Anika Fanlo PharmD’19, Whitney Ly PharmD’20, David Ostrow, pharmacist at Cambria Pharmacy, Quynh-Nhu Truong PharmD’19, and assistant professor of clinical pharmacy Nicole M. Schroeder PharmD’11.
Celebrating the 2017 Graduates

Approximately 560 graduates were honored on May 24, 2017, at University of the Sciences’ 196th Commencement Ceremony held at the Liacouras Center. Among those receiving their degrees was Dr. Paul Offit, a world-renowned vaccine advocate, who received an honorary doctor of science degree.

Dr. Offit, a professor of pediatrics at Perelman School of Medicine at the University of Pennsylvania and the director of the Vaccine Education Center at the Children’s Hospital of Philadelphia, called on anyone who is interested in the sciences to become advocates, standing up and calling out when the media or others in the public eye get it wrong.

“We owe it to the public to explain ourselves; if not, I worry in this age of anti-enlightenment that science seems to be losing its place as a source of truth. We won’t be able to do it much longer,” he said.

The class of 2017, which included members from 25 states and 26 countries, will continue on to careers including physical therapy, occupational therapy, pharmacy, public health, and business. USciences congratulates the graduates and their families and wishes them much success in the future.

Photos: usciences.edu/GradPhotos17  |  Video: usciences.edu/GradVideo17

By the Numbers

Total graduates: 767
Degrees granted: 768
Undergraduate degrees: 663
Graduate degrees: 105
Undergraduate level grads: 663
Graduate level grads: 105
Dual-degree graduates: 1
Men: 294
Women: 473
Age of youngest graduate: 20
Age of oldest graduate: 64
Number of states represented by graduates: 25
Number of countries represented by graduates (other than USA): 25
Number of graduates with a 3.40 GPA or higher: 387
Undergraduate: 297
Graduate: 90

Breakdown of Degrees

- BS: 255
- BSHS: 89
- MBA: 15
- MOT: 45
- MPH: 3
- MS: 32
- MSPAS: 37
- DPT: 78
- DrOT: 15
- PharmD: 183
- PhD: 16

Graduates by College

- Mayes College: 49
- Misher College: 96
- PCP: 359
- Samson College: 264

Class of 2017
Commencement Snapshot

Photos: usciences.edu/ConfermentPhotos17  |  Video: usciences.edu/ConfermentVideo17
Biology Alumna Inspired to Use Her Future Medical Degree to Help Others

For TARA JAISON BI’17, the top priority in her college search was a pre-med program that would give her quality curriculum, research opportunities, and an urban setting. After reviewing the courses and curriculum available at University of the Sciences, it was clear that USciences was a great choice for her.

Jaison will pursue her medical degree at Rutgers New Jersey Medical School in Newark, New Jersey. She feels that the biology program at USciences prepared her for this exciting next step toward becoming a medical doctor. “My courses not only provided the scientific foundation necessary for my medical career but also provided opportunities for growth,” said Jaison.

In addition, her experiences at USciences created a deeper desire to help others. She was heavily influenced by the coursework from her minor in social science. “The classes that I took in order to complete the minor opened my eyes to the realities and struggles of today’s society,” said Jaison. “I will be able to use this knowledge as a future physician.”

Unique Program Allowed Student to Pursue Business and Healthcare

PAUL VENTO PHB’17 started his college search torn between two very different majors: physical therapy and business. It seemed like he had to make a choice between the two, until he found University of the Sciences and its unique pharmaceutical healthcare business program, which provides students with experience in both business and science.

“When I saw this healthcare-centric business major that USciences had to offer, I knew this would be the perfect fit for me,” said Vento. “It balanced my business mindset and desire to impact people’s lives.”

His most memorable moments at USciences occurred at the Mayes College of Healthcare Business and Policy retreat, where he was voted breakout star in his freshman year and mentor of the year in his junior year.

As he heads toward graduation and the start of his career, Vento hopes to make an impact in his role as a pharmaceutical sales representative. His goal is to take on different roles within the industry and pursue an MBA in management. Overall, he feels that USciences’ unique program, which blends business and science, prepared him for his career.
USciences PharmD Program Leads to Opportunity for Alumna

As soon as she visited University of the Sciences and had the opportunity to meet with the professors, staff, and other students, DORELA PRIFTANJI PharmD’17 knew she had found a new home.

“It is vital to be around those who want to see you grow and succeed,” said Dr. Priftanji. “Feeling that I was cared for and supported, even before starting classes, was so special to me, and I knew I had found a home.”

After graduation, Dr. Priftanji will begin a two-year health system pharmacy administration residency program at The Johns Hopkins Hospital. This residency is combined with a master of business administration degree from the Johns Hopkins Carey Business School. Her experiences at USciences helped prepare her for this exciting next step.

“It did not take long for me to realize that a PharmD from USciences opens as many doors as you choose to knock on,” said Dr. Priftanji. “I feel confident that this degree helped me develop one of the most important skills as a student, that of being a lifelong self-learner. Critical thinking, flexibility, and willingness to learn are characteristics that can lead to success in any setting.”

Occupational Therapy Student Overcomes Obstacles to Receive His Degree

CHRISTOPHER LEE ESWM’10, MOT’17 faced a different set of challenges than most students. Due to a motor vehicle accident in 2011, in which he sustained a mild traumatic brain injury and damage at the spinal cord, he experienced cognitive deficits, slowed thinking, and difficulty in task switching. After taking some time off from his coursework for physical therapy, Lee was eager to return to the classroom and his clinical rotations, only to find that he was in need of cognitive rehabilitation as he was unable to function quickly in a hospital setting. Even though it meant delaying his degree, in 2014 Lee dropped his course load to focus on his own therapy and recovery.

“I was told by healthcare professionals that I would not be able to get my degree,” said Lee. “But with the support of this amazing faculty, I have returned to this program stronger than before.”

For Lee, having professors and instructors who are known for both their professionalism and expertise was key.

After graduation, Lee plans to “pay it forward” by working in outpatient occupational therapy. He also plans to continue to work as a part-time personal trainer at Drexel University Recreation and as a strength-and-conditioning coach.
Editor’s Note: In researching and preparing for a display of Marie Curie’s papers that are archived in the J. W. England Library, serials and archives assistant DAN FLANAGAN noted that Curie’s research stored in the Bibliothèque nationale de France in Paris was held in a lead-lined box due to its radioactive nature. The England Library’s Helfand Rare Books and Archives Room contains her acceptance letter for honorary membership in Philadelphia College of Pharmacy as well as a signed copy of her famous 1903 thesis and a handwritten curriculum vitae. Could they too be radioactive?
In the fall of 1891 Marie Sklodowska, age 24, arrived in Paris to earn teaching credentials at the Sorbonne for a position back home in Poland—or at least that was the plan. After completing her second undergraduate degree in 1894, she delayed her departure to do some paid scientific work exploring the magnetic properties of steel. Marie needed laboratory space to carry out this assignment, so she contacted an instructor at the School of Industrial Physics and Chemistry named Pierre Curie, who quickly followed up on their acquaintance with a marriage proposal.

After her wedding on July 26, 1895, Marie shifted her career search to Paris. She passed the aggregation (civil service competitive examinations) with honors in July 1896 and started working on her doctoral thesis. Earlier that year, Henri Becquerel had made an interesting discovery. He discovered that uranium salts emitted penetrating rays similar to x-rays. Becquerel also noticed that the air around the sample conducted electricity. These findings became the starting point for Marie’s doctoral work. She decided to search the periodic table and discovered that only uranium and thorium gave off these rays. Moreover, she was the first scientist to define radiation as an atomic property.

The importance of Marie’s discoveries convinced Pierre to set aside his own research and join the investigation. By the middle of 1898, they identified a substance 300 times more active than uranium and published their discovery that July. They named the substance polonium, in honor of Marie’s native country, Poland, which disappeared
from the map of Europe in 1795, in a three-way split between Russia, Prussia, and Austria. The Curies also made history by coining the term “radioactive” although it appeared only once in article’s title (“On a New Radio-Active Substance Contained in Pitchblende”).

Becquerel immediately recognized the article’s importance and brought it to the attention of the Institut de France. Shortly thereafter, the Curies discovered a second new radioactive element, radium, which they announced to the Academy on December 26, 1898. Given the choice between polonium and radium, the Curies tackled radium first, for reasons of practicality.

The process itself was relatively simple. All they needed to do was pulverize pitchblende in preparation for boiling, then test the crystals extracted from the residue for an electrical charge. The big challenge loomed elsewhere. For a yield measuring less than an ounce, they processed about 10 tons of pitchblende. Yet the work still had its enchantments, “One of our joys was to go into our workroom at night; we then perceived on all sides the feebly luminous silhouettes of the bottles of capsules containing our products. It was really a lovely sight and one always new to us. The glowing tubes looked like faint, fairy lights.”

After grinding away in the laboratory for three years, Marie finally had enough radium (one decigram) to determine its atomic weight and finish her thesis, which she defended at the Sorbonne on June 25, 1903. The examining committee promptly acclaimed her work as the greatest scientific contribution ever made by a doctoral thesis, a judgment borne out by its subsequent journal publication in England and France.

However, Madame Curie’s newfound celebrity came on the heels of a great misfortune. She suffered a miscarriage that August and was still in recovery when notified of the 1903 Nobel Prize in physics, shared jointly with her husband and Becquerel. (Marie was the first female recipient of a Nobel Prize and the only woman to receive one in physics until Maria Goeppert Mayer in 1963.) Pierre’s health also faltered that winter, so they both stayed home instead of going to Stockholm with Becquerel.

No one yet understood the dangers of radioactivity. Their pocket-size vials of radium contaminated nearly everything they owned. As a result, Marie’s research papers must be stored today in lead-lined boxes. Anyone wishing to examine them at the Bibliothèque nationale de France must first sign a waiver, absolving the library from liability. Although Marie’s ailments persisted into 1904, thankfully, she carried her second child, Eve, to term without serious complications.

Interestingly, Marie’s eldest daughter, Irène (b. 1897) became a scientist and won the Nobel Prize in chemistry in 1935. Sadly, however, mother and daughter share another distinction—

Triumph and tragedy seemed to have a way of combining against Madame Curie’s happiness. In 1906, she began lecturing at the Sorbonne, and two years later, she accepted a full professorship. In both cases, she was the first woman to do so; and in both cases, she had taken her husband’s place. On April 19, 1906, Pierre Curie stumbled during a rainstorm and fell to his death beneath the wheels of a heavy freight wagon.

Marie’s unfortunate torments resumed with her nomination for a second Nobel Prize in 1911, this time in chemistry. No single individual, male or female, had ever won two Nobel Prizes. Amid the festivities, however, several extremist French newspapers raised violent objections based on Marie’s gender and foreign identity. The outcry nearly ruined her candidacy, but ultimately, her detractors met with failure, thanks in part to the strength of her institutional support.

By the end of her storied career, Madame Curie’s trophy cabinet included eight major scientific prizes, 16 scientific medals, and over 100 honorary titles. One the earliest titles came from Philadelphia College of Pharmacy, which awarded her an honorary membership on September 27, 1909. Madame Curie’s acceptance letter, dated October 26, 1909, translates, as follows:

Mr. Secretary, I pray you to kindly transmit to the Assembly of the members of the Philadelphia College of Pharmacy my sincere thanks for the honor which they have conferred upon me in naming me an honorary member. I pray you to accept my sincere salutations and the assurance of my distinguished sentiments. M. Curie, Professor of the Faculty of Sciences of Paris.

This treasured correspondence now resides in the Helfand Rare Books and Archives Room at the J. W. England Library, preserved alongside a signed copy of Madame Curie’s famous 1903 thesis, “Recherches sur les Substances Radioactives,” and a handwritten curriculum vitae.

Considering their origin, however, could these papers be as dangerous as the ones in the Bibliothèque nationale de France?

Fortunately, the answer is no. The papers passed inspection after associate professor of physics BERNARD BRUNNER, PhD, tested them with a Geiger counter.

A little anticlimactic perhaps, but good to know just the same.
In an effort to build relationships and learn how to better qualify for federal grant funding, a group of University of the Sciences faculty and staff traveled to the Bethesda, Maryland, headquarters of the National Institutes of Health on June 7, 2017.

“The broad base of our research has an appeal to organizations like the NIH,” said SARAH E. ROBERTSON, PhD, director of sponsored projects and research. “The collaboration between our different colleges is relatable, and our research is in areas that the NIH is interested in funding.”

The University has been successful in securing federal funds through NIH for several projects in recent years, including for assistant professor of biological sciences ZACHARY KLASE, PhD, who received a $2.1 million grant from the National Institute on Drug Abuse, a branch of NIH (see page 20).

Last year, assistant professor of chemistry ZHIWEI LIU, PhD, and professor of chemistry VOJISLAVA POPHRISTIC, PhD, received a $427,500 NIH grant for research on computational development of systems for diagnostic and therapeutic recognition of sugars, especially targeting cancer and diabetes. AMANPREET KAUR PhD’17, a student in the University’s cancer biology program, was awarded $45,076 to fund melanoma research with the Wistar Institute.

“We have a nationally recognized research program that is enriching the undergraduate experience, helping students learn and train to one day have their own grants for their own projects,” said Dr. Robertson. “We are building these relationships with the NIH and other organizations so that we can continue to be present on a national stage and compete for these opportunities for our students and faculty.”

Assistant professor of physical therapy DAVID LOGERSTEDT, MPT, PhD, said he was able to meet with the program officers at the institute and received feedback for his project. The program officers also encouraged faculty members who are new researchers or mid-career researchers to apply for funding.

“It was a great learning experience,” said WENDY FOX, MOT, OTR/L, assistant professor of occupational therapy. “As a new researcher, I was provided with training around the types of grants, roles, responsibilities, and strategies toward successful grant writing. Overall, it was a fantastic opportunity provided by USciences that fosters strong endeavors.”

Meeting with the director of extramural research and program officers made the whole process of applying for NIH funding seem less intimidating and more attainable, said JESSICA ADAMS, PharmD, assistant professor of clinical pharmacy.

“I was particularly interested to learn about the focus the NIH is putting on early- and mid-career investigators over the next several years and hope to take advantage of those opportunities,” she said.

Following the meeting, several faculty members applied by the June deadline for funding, and others are readying applications for the next six months.

The professors and staff who attended the trip included (left to right): Jason Heindl, PhD, assistant professor of biological sciences; Zhiwei Liu, PhD, assistant professor of chemistry; Maggie Pearce, PhD, assistant professor of biological sciences; Spandana Makeneni, PhD, a post-doctoral fellow in the chemistry department; Wendy Fox, MOT, OTR/L, assistant professor of occupational therapy; Greg Thielman, PT, MSPT, EdD, associate professor of physical therapy; Namrata Grampurohit, PhD, OTR/L, assistant professor of occupational therapy; David Logerstedt, MPT, PhD, assistant professor of physical therapy; Michael Yonkunas, PhD, a post-doctoral researcher in the chemistry and biochemistry department; Madeline King, PharmD, assistant professor of clinical pharmacy; Jessica Adams, PharmD, assistant professor of clinical pharmacy; Sanchita Sen, PharmD, associate professor of clinical pharmacy; Alexander Sidorenko, PhD, associate professor of chemistry and biochemistry; Islam Ghazi, PharmD, assistant professor of clinical pharmacy; and Meg St. Clair, grants specialist in the office of sponsored projects and research. Not pictured: Sarah E. Robertson, PhD, director of sponsored projects and research (who took the photo); Luca Sardo, PhD, a post-doctoral fellow in the department of biological sciences; and Chris Janetopoulos, PhD, associate professor of biological sciences.

NIH Visit Focuses on Expanding Interprofessional Research Opportunities

By Jenna Pizzi
New Residence Hall Moves Forward as Site Demolition Begins

USciences’ new residence hall took another step forward with the start of the exterior demolition of the former Alexander Wilson School. Demolition is expected to continue through August 2017. Learn more about the first-year residence hall project at usciences.edu/residence-hall and watch the progress via a live webcam that refreshes an image of the site every five minutes.

Miss USA Inspires USciences Girls Physics Campers

Miss USA Kára McCullough, a scientist for the Nuclear Regulatory Commission (NRC), visited USciences’ Physics Wonder Girls Camp to share her story and mentor middle-school girls from the Philadelphia region in a hands-on STEM activity in June. The free, one-week camp, created by associate professor of physics ROBERTO RAMOS, PhD, engages two dozen local girls interested in science. At the camp the students learned how to build and operate submersible robots; discovered the science of pressure, waves, and electricity; and learned about careers in science from women working in various fields.

usciences.edu/MissUSA17

Dr. Patricia Audet Interim Dean of Philadelphia College of Pharmacy

University of the Sciences president PAUL KATZ, MD, has named PATRICIA R. AUDET P’76, PharmD’78 interim dean of Philadelphia College of Pharmacy. Dr. Audet replaced Dean LISA A. LAWSON, PharmD, as of July 1, 2017. Dr. Lawson had announced her decision to step down in May 2016 and had been serving as dean during a search process.

Dr. Audet, who brings more than 15 years of experience in undergraduate, professional, and graduate education, has been chair of the Pharmaceutical and Healthcare Business Department in Mayes College of Healthcare Business and Policy since 2009. Prior to her rejoining the University, Dr. Audet started her industry work with SmithKline Beecham Pharmaceuticals in 1989 (which would become GlaxoSmithKline in 2000) as a clinical pharmacology program manager. She became a vice president in 1997; her responsibilities over the next 12 years included project management, research and development integration, business development, and preclinical technology initiatives.

After an unsuccessful search to fill the dean position, the University will begin a new search and engage the executive search firm Witt/Kieffer.

usciences.edu/DeanAudet17

Students Gain Pathway to Nursing Careers

New agreements with the Villanova University College of Nursing and with the W. Cary Edwards School of Nursing at Thomas Edison State University allow USciences students direct entry into nursing programs. Villanova’s Accelerated BSN Program for College Graduates (BSNExpress) is a 14-month, second degree program that incorporates all the standard components of the nursing program in a concentrated timeframe. The arrangement with Thomas Edison State University offers a seamless transition into their Accelerated 2nd Degree BSN Program.

usciences.edu/TESUNursing | usciences.edu/NovaNursing
$2.1 Million Grant from NIDA for HIV Research

With a focus on HIV/AIDS research, assistant professor of biological sciences ZACHARY A. KLASE, PhD, was selected to receive the prestigious Avenir Award, a $2.1 million, five-year grant, from the National Institute on Drug Abuse (NIDA) in May 2017. Through the Avenir Award grant, for “Understanding the Overlap of Chromatin Alteration in HIV-1 and Drug Abuse” (1DP2DA044550-01), Dr. Klase is focused on examining how drugs of abuse may alter the epigenetic landscape in HIV-1 infected individuals. Dr. Klase, who joined USciences in 2014, has focused on the molecular pathogenesis of HIV-1, with a particular emphasis on cure research.

usciences.edu/KlaseNIDA17

March for Science

A contingent of faculty, staff, and students from USciences were among the thousands who gathered in Philadelphia and around the world in a March for Science on Earth Day, April 22, 2017. The march sought to unite a diverse, nonpartisan group to call for science that upholds the common good and for political leaders and policymakers to enact evidence-based policies with the public interest. usciences.edu/MarchForScience17

TOP: A large contingent of USciences faculty, staff, students, and friends came out to support science. They were joined along the way by president Paul Katz, MD; his wife Anne-Marie; and vice president for community and government relations David L. Forde, Jr. BOTTOM LEFT, left to right: Associate professor of biological sciences Dana Pape-Zambito, PhD; professor of pharmaceutical sciences Adeboye Adejare, PhD; assistant professor of biological sciences Grace A. Farber, PhD; and associate professor of health policy and public health Julie Becker, PhD, MPH. BOTTOM RIGHT, left to right: USciences students Kirby Donnelly PhD’21, Shagun Dhanju BMS’18, and Avani Bhavsar BI’18 were ready to march for science with homemade signs.

Agreement Expands Access for International Students

USciences is expanding its conditional acceptance process to international students. Thanks to a new agreement with the Drexel University English Language Center, international students will have another pathway to establish their English language proficiency. The agreement will allow USciences to offer conditional acceptances for international students throughout the world prior to providing proof of English language proficiency. If applicants are academically qualified and accepted into a graduate program, they have up to one year to satisfy the English language component either by taking the Test of English as a Foreign Language (TOEFL) or International English Language Testing System (IELTS) exams, or through an approved English language program, like Drexel’s English Language Center.

usciences.edu/ExpandingAccess17

Provost Peter Miller, PhD, with Tobie Hoffman, director of the English Language Center at Drexel University.
Newest Rankings

USciences Chemistry Program Ranked Top 5 in PA: University of the Sciences chemistry program was named in the top five programs in Pennsylvania, according to a new list from Zippia.

usciences.edu/Top5Chem17

USciences Ranked Among Best Colleges for Your Money: The value of a USciences education was highlighted in a new college ranking from MONEY magazine that grades the Best Colleges for Your Money. The University was also ranked in the top 25 in the nation, and first in Pennsylvania, among schools dubbed Value-Added All Stars for the upward mobility of graduates, according to the magazine.

usciences.edu/BestForYourMoney17

MBA Program Ranked Among Nation’s Elite for Fourth Consecutive Year: the MBA program was named a tier one program among other competing programs in the United States, according to the list published this month in CEO Magazine. The USciences MBA in pharmaceutical and healthcare business is one of the few specialized MBA programs in the country and caters to the busy lifestyles of students with on-campus evening courses and online study options.

usciences.edu/EliteMBA17

Philly Biz Picks New Neuroscience Major as Best of Health Care 2017: In a rundown of the best of healthcare offerings in 2017, USciences’ new neuroscience major was a Philly Biz magazine honoree in its March issue: HEALTH CARE EDUCATION—University of the Sciences.

usciences.edu/BestNeuro17

Sports in Short

Basketball Teams Earn Academic Excellence Awards

The USciences men’s and women’s basketball teams were recognized for their stellar work off the hardwood and in the classroom.

The men’s team was honored by the National Association of Basketball Coaches (NABC) in its fifth annual Team Academic Excellence Awards. These awards recognize outstanding academic achievement by a team across all divisions of the NCAA, NAIA, and NJCAA, with a cumulative grade point average of 3.0 or better for the 2016–17 season. The men’s team finished the year with a 3.2 GPA.

usciences.edu/MensNABC17

The women’s team was recognized by the Women’s Basketball Coaches Association (WBCA) ranking 17th in the Academic Top 25 Honor Roll with a 3.581 team-wide cumulative GPA in 2016–17. The WBCA Academic Top 25 recognizes NCAA Division I, II, and III; NAIA; and junior/community college women’s basketball teams across the nation that carry the highest combined GPAs inclusive of all student-athletes on their rosters for the entire season.

usciences.edu/WomensWBCA17

All USciences student-athletes posted an average GPA of 3.348 for the 2016–17 academic year.

Devils Earn All-Academic CACC

Seven USciences student-athletes earned Central Atlantic Collegiate Conference (CACC) All-Academic Team honors this spring, as announced by Commissioner Dan Mara.

The Devils baseball team finished the year with another outstanding semester, academically posting a 3.24 team GPA, with THOMAS GALLAGHER HS’18 and ADAM REED HS’19 earning CACC All-Academic honors in their first year eligible for the award. T.J. DEZZI HS’18 made his mark for the second time among the conference’s top academic achievers.

EVANGELINA OLIVERA PhSci’18 (two-time honoree) and ASHLEY LEWIS DrOT’19 (three-time honoree) earned All-Academic success on the Devils softball team. The USciences softball team finished with a final team GPA of 3.36, which included two 4.0 and nine Dean’s List recipients.

The University of the Sciences men’s tennis team had the final two academic award winners, including BORNA NOVAK BC’19 and EVAN HALPERIN PharmD’21. With this honor, Novak adds to his year of success, including Dean’s List recipient and CACC All-Tournament Team honoree.

usciences.edu/DevilsCACC17
Dear Alumni,

President John F. Kennedy once said, “For time and the world do not stand still. Change is the law of life. And those who look only to the past or the present are certain to miss the future.”

Since taking my oath of office this past April, the University, under the leadership of President Paul Katz, MD, has begun implementing a foundational plan for transforming the institution into a 21st-century model for science and health professions education. As we enter the 2017 fall semester, I wanted to reach out to the alumni membership and personally ask for your support, time, and talent to help facilitate this transformation. We are not alone in these times. The entire landscape of higher education is changing dramatically, as all institutions deal with issues around rising tuition costs, student debt, increased competition, growing operational expenditures, academic integrity and quality, and the search for additional revenue sources. However, with your help, I believe we can work together to help bring back financial stability and promote continued academic excellence. I truly believe that once we are unified to this resolve, great things will happen and a pathway to a future of prosperity can be paved.

In the meantime, I want to secure a communication line with our membership. Our mission is to support the University and encourage involvement. The Alumni Association is here to connect you and your values with the University and its priorities. For my term in office, I hope to focus on the issues of diversity and inclusion, student engagement, and community service. In particular, I am very excited by the work the University is doing to address the opioid epidemic, which is reflected here in the pages of this issue.

But I would also like to hear what is important to you. The real testament of our success as an association is how well we help each other and the University, which is why one of this year’s top priorities is increasing alumni engagement and participation. So, please send your thoughts, suggestions, news, and stories to alumnirelations@usciences.edu, or call the Alumni Relations office at 215-596-8570. We want to hear from you.

Finally, I would like to gratefully acknowledge Siobhan Duffy P’84, BW’05 for her work as past president. I wish to personally thank her for a remarkable job and the time she gave leading the Alumni Association over the last two years. To see our full list of the current officers and board members, please visit usciences.edu/alumni.

It is an honor to serve, and I look forward to working with you! Thank you for all that you are doing.

Sincerely,

Hong Jin Na PH/TX’92, BW’01
President, Alumni Association

See you at REUNION!
October 20–22, 2017
usciences.edu/reunion

Alumni Association Mission:
To engage the graduates of University of the Sciences in promoting the goals and objectives of the Alumni Association and the institution.
Alumni Events

Class of 2017 Gift Enhances USciences Greenspace

The campus quad gained a new addition on April 25, 2017, with the dedication of a new, handcrafted bench. Located just outside the McNeil Science and Technology Center, the bench was a gift from the class of 2017. Class gift chairs JOEY HARMON C’17 and SEJAL PAREKH BI’17 worked with the USciences Facilities Services Department and the Office of Institutional Advancement to enlist local woodworker Tim Lewis, who created the custom-made bench from reclaimed heart pine wood. The class of 2017 wishes to acknowledge its generous donors for making the class gift campaign such a success!

STUDENTS:
Kathryn Battista MS’17
Christine Besada BS’17
Lynda Burgess BW’17
Danielle Coome B’17
Oleg Davydovich C’17
Amanda DeAngelis DPT’17
Christine Eichelberger MPH’17
Bryan Figula C’17
Joey Harmon C’17
Cynthia Irrera BS’17 (In honor of Christine Irrera)
Gurpreet Kaur B’17
Jordan Kolbush PharmD’17
Philip Masaitis PharmD’17
Sherri Nye PharmD’17
Sonia Panchal BMS’17
Sejal Parekh BI’17
Amisha Patel PharmD’17
Atithi Patel C’17
Velu Patel PharmD’17
Eric Seda PharmD’17
Courtney Vander Pyl C’17

ALUMNI:
Jerry A., Bliss P’87, PharmD’02
Karen S., Bliss P’89
Victoria Elliott P’87
Elizabeth Ann M., Fucco P’63
Scott D., Greene P’92, MS’14
Rosemarie Halt P’89
Daniel A., Hussar P’62, MS’64, PhD’67
Kathleen Mayes P’76, PharmD’78
Marlene Mentzer P’81
Hong Jin Na Ph/TX’92, BW’01
Andrew M., Peterson, PharmD, PhD’09
Catherine Purzycki BI’83
James L., Rivard P’81
Steven L., Sheaffer P’75, PharmD’78
Anonymous

FACULTY & STAFF:
Grace Farber
Nancy Mansfield
USciences Facilities Services

Parents of the Class of 2017 Support Enhancements to Student Study Space

Led by cochairs WILLIAM ELLIS P’85 and EDGARDO MERCADANTE P’79, HonDSc’17, the parents of the class of 2017 raised over $5,500 in funds to be used by the Division of Student Affairs toward improvements in selected student space areas. Many thanks to these loyal families for their support of our inaugural parent gift campaign!

Jeffery & Loraine Andrews
Mr. & Mrs. George Barbine
Michael Biagioli
Catherine Burnett
Edward W. Casey
Robert & Susan Ceci
Wilson Cheung
Jeffrey & Tamara Cohen
Ann Conover
Terri J. Coppler
Mr. & Mrs. John F. Demaria
Thomas R. Dilullo
Joan D’Uva
William M. Ellis, Jr., P’85
Kathleen Farmer
Frances Fencel
Derrick Floyd
Susan G. Fluck
Chris & Anita Galligan
Steve Genca
Suzanne Geraci
Tracey Granahan
Glen Heide
Eugene Howley
Cynthia Irrera
Corazon R. Jacinto
Edward Jones
Myung Sook Kim
Judith & Stanley Krutsick
Pamela & Ssu-Yuan Liu
Marie Lowe
Arthur J. Mata
Mark McConville
Michael McGuigan
Valerie McKinsey
Edgardo Mercadante P’79, HonDSc’17
Trinh & Lien Nguyen-Phan
Martin O’Connor
Mr. William V. Pham & Mrs. Theresa Cong-Huyen
Maria Phillips
Deb Price
Debra Pronzato
Deborah Rounds
Shaun Ryan
Robert & Katherine Schleider
Marisa M. Sechuk P’83
Chandresh R. and Asmita Shah
Cynthia Smith
Gina Squilla
John & Elizabeth Strittmatter
Col. S. Rogers Wetherill, III, P’68, MS
Diane White
Maria White
Iris Woodson
Lambda Kappa Sigma’s Eta Chapter Reunion
Saturday, May 20, 2017, USciences

Sisters of Lambda Kappa Sigma’s (LKS) Eta Chapter enjoyed a “mini-reunion” on May 20. Attendees were given a University update by Provost Peter Miller, PhD, and discussed the future of the Eta collegiate and alumni chapters at USciences. LKS is the oldest professional international pharmacy fraternity for women. With more than 25,000 members worldwide and nearly 500 alumnae of the USciences Eta Chapter, LKS provides lifelong opportunities for women in pharmacy through professional achievements and personal growth.

The Lambda Kappa Sigma Eta Chapter tile was added to the Periodic Table of Legacies through the support of 13 Eta alumnae. Learn more about the Periodic Table of Legacies and how to add your tile to honor a special student, an alumnus/a, a faculty member, or your family at usciences.edu/PeriodicTable.

Standing, left to right: Christina M. Michalek PharmD’89; Jamie M. Rosini PharmD’05; Cathy Rodman P’87; Stephanie K Bean DPT’89; Marissa L. Buttarro P’92; Michele B. Hyman P’87; Chantel Farrello P’86; Stephanie Hellerick P’87; Jeanette M. Pascuzzi-Heacock P’84; Cheryl A. Bell P’87; Cheryl T. Noskow P’89; Judith Z. Checca P’92; Victoria R. Elliott P’87.

Seated, left to right: Patricia C. Kienle P’75; Ruth A. Brown P’71, BW’06; Emily Brand PharmD’21; Elizabeth Checca PharmD’21; and Sandy Mullen, LKS Grand President.

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.
Summer Happy Hour
Down the Shore
Saturday, July 29, 2017,
Strathmere, NJ

Alumni Relations hosted its annual summer gathering at the Deauville Inn. Alumni and friends had an opportunity to reconnect and catch up with former classmates and friends as well as with USciences president Paul Katz, MD, and his wife Anne-Marie.
Class Notes

1953
NEIL DAVIS P’53, MS’55, PharmD’70 added the 50,000th health-related abbreviation/acronym to his website, medabbrev.com.

1962
DANIEL HUSSAR P’62, MS’64, PhD’67 was awarded the 2017 Remington Honor Medal, the pharmacy profession’s highest honor, by the American Pharmacists Association (APhA). Dan was presented the award at a ceremony during the APhA Conference in San Francisco, CA, on March 26, 2017.

1964
JOEL STEINBERG B’64, MD, PhD, was successfully vetted into the consumer peer review system of the Department of Defense Congressionally Directed Medical Research Programs to help guide selection of clinically relevant studies on Guillain-Barré syndrome. Joel is a hospitalist for Cooper University at the Memorial Hospital of Salem County, NJ. He and his wife Susan just celebrated their 50th wedding anniversary with a cruise of the British Isles. His free time is spent playing with his grandchildren on the Margate City beach near his home.

1972
GUY DECKER P’72 became engaged to Mary Valverde on July 9, 2017.

1975
PATRICIA CLANCY KIENLE P’75, was recently published by American Society of Health-System Pharmacists. Her book, The Chapter <800> Answer Book is about USP Chapter <800> on Hazardous Drugs.

1976
CHRISTOPHER J. SMALLEY P’76 penned an article for Life Science Leader about the United States Pharmacopoeial Convention’s new chapter on hazardous drug handling in healthcare, which will become effective on July 1, 2018.

1981
MARY ANN KLIETHERMES PharmD’81 received the American Society of Health-System Pharmacists’ Award for Distinguished Leadership, recognizing her dedication and work in expanding patient care roles for pharmacists.

1988

1992
MARIA TERESA AMBROSINI PharmD’92, BCPS, lives in Italy and has recently been selected as a reviewer for American College of Clinical Pharmacy, Pharmacotherapy Self-Assessment Program, and has reviewer status at the Journal of the American Pharmacists Association.

1994
ROSEANN PELUSO-NGUYEN PharmD’94 was recently named to the board of trustees for the Hunterdon Healthcare System.

1996
TERRI EVAN CORBO P’96, PharmD’97 was conferred a master of health care delivery science degree from Dartmouth College in June 2016. Terri is vice president of pharmacy services at Christiana Care Health System in Delaware. She resides in West Chester, PA, with her husband and two daughters.

1998
JILL KELLY MCCOMSEY B’98 was recognized with the 2017 PA Legal Aid Network (PLAN) Excellence Award.

2000
MICHAEL CASTAGNA P’00 was appointed CEO of MannKind Corporation, the biomedical company that markets Afrezza, an inhalable form of insulin, on May 25, 2017.

2002
DARSHAN KULKARNI PharmD’02 was quoted in a story from Business Insider regarding President Donald Trump’s move to deregulate the FDA.

2004
KENDALL J. MELEWSKY PharmD’04 announced the birth of her daughter Cora Justine Schultz on November 23, 2016.

2005
MEGAN KEGLOVITS MOT’05 was recognized as Outstanding Occupational Therapist of the Year by Peninsula Home Care, Sussex Living reported.

EDRIS KOSAR PharmD’05 was awarded a community impact award for his efforts to help the most vulnerable patients with free deliveries and is currently part of an outreach program with a program called A Partnership of Diabetics to help monitor the health of residents in a senior housing project, the Southwest Journal reported.
NOTES TO SHARE? Send your class notes to alumnirelations@usciences.edu or use the form on page 28.

2006
NEEGEN KATIRAI PharmD’06 started PharmAchieve, an exam test prep company based in Toronto.

2009
ELIZABETH HELMS PharmD’09 underwent a liver transplant while she was a student in the pharmacy program. In July 2017, she and her donor celebrated 10 years since the surgery with more than 100 friends and family in Willow Glen Park, the Reading Eagle reported.

REBEKAH L. KANE PharmD’09 recently got engaged to David W. Smith, both of Clarks Summit, PA. The bride to be is employed by CVS Pharmacy.

2012
ROMY ANTOINE Bi’12 had his company, One Stop Wellness, featured in a list of the 12 corporate fitness programs that led the pack.

VAISHALI H. DESAI BS’12, MBA’15 and DANIEL L. PALOMMELLA PharmD’14 were married in October 2016 in Pittsburgh, PA. Daniel currently owns and works at his own independent pharmacy, while Vaishali is a consultant for QuintilesIMS. They currently reside in Philadelphia.

JACKIE YEE DPT’12 was promoted at the Physical Therapy & Wellness Institute, the company announced.

2013
LINDSAY HUMMEL Bi’13 was in Disney World celebrating her medical school graduation when she jumped into action with lifesaving CPR to help a man she didn’t know. Read more at usciences.edu/news/2017/alumna-taps-into-cpr-skills-to-save-a-strangers-life.html

MICHAEL KLIICHINSKI PharmD’13 has completed first round financing for his biotech startup CARMA. Michael is a PhD student at Penn, which spun the company from its Center for Cellular Immunotherapies and the laboratory of Dr. Saar Gill. The company was featured in many publications, including Business Wire and in the Philadelphia Business Journal.

AMANDA MARKWARD DPT’13 will marry Robert Dowdy in Lancaster, PA, in August 2017.

SHAWN O’CONNOR PharmD’13 will marry Joseph DeAntonio, Jr., on November 11, 2017.

2016
T-JOHN CASIELLO PhB’16 led the Letterkenny Institute of Technology men’s basketball team to Ireland’s Division II college championship and earned MVP honors along the way, South Jersey Sports Digest reported.

DIANA SOLOMON PharmD’16 was chosen for the New Practitioner Award by the American Society for Parenteral and Enteral Nutrition. This national award recognizes her substantial contributions to the field of nutrition support and her commitment to further the science and practice of clinical nutrition, which she demonstrated as a student at PCP.

New York City Mayor Bill de Blasio tabbed MAYANK PARIKH PharmD’13 to speak about the negative health impacts of cigarettes and tobacco products at the City Hall announcement of a bill to increase the tax on cigarettes and other tobacco products in April 2017, according to the Staten Island Advance.

2014
STEPHANIE NOBLIT MT’14 was interviewed in the Philadelphia Inquirer about her support for the March for Science on April 22, 2017.

IN MEMORIAM
Robert E. Porter P’57 September 16, 2016
Chaun Parven Colestock, Jr., P’52 January 2017
Howard T. McMearty P’52 February 7, 2017
John James Peipon P’52 February 11, 2017
Roy Kilczewski P’58 February 17, 2017
Paige Elizabeth Lebo P’88 February 25, 2017
Barry C. Blank P’74 March 5, 2017
John Nikelly (former faculty) March 11, 2017
Frank X. McLain, Jr., P’50 March 21, 2017
Paul A. Ashton April 5, 2017
Jack H. Cohen P’60 April 5, 2017
Charles “Chas” O’Connor P’58 April 24, 2017
Earl Rosen P’52 April 28, 2017
Kenneth J. George P’83, PharmD’99 May 3, 2017
Kathryn A. Isaac P’85 May 9, 2017
Irwin W. Mumma May 18, 2017
Charles S. Talarigo P’83 May 27, 2017
Sidney Joshua Kahn P’54 June 3, 2017
Jack Briggs P’57, DO June 10, 2017
John S. Falzone P’59 June 14, 2017
George A. Lutz P’14 June 22, 2017
Irwin W. Mumma May 18, 2017
Charles S. Talarigo P’83 May 27, 2017
Sidney Joshua Kahn P’54 June 3, 2017
Jack Briggs P’57, DO June 10, 2017
John S. Falzone P’59 June 22, 2017
George A. Lutz P’53 June 22, 2017
Daniel E. Bause, Jr., P’50 June 29, 2017
Maurice B. Dabney, Jr., P’48 July 2, 2017
first African American graduate of Philadelphia College of Pharmacy
Sterling Hayes Davidson P’51 July 8, 2017
David Norman Gutkeunst, Sr., C’50 July 15, 2017
We want to hear from you!

Tell us about your new job, promotion, accomplishments, engagement, marriage, or new additions such as births or adoptions.

- Online at: usciences.edu/alumni
- By phone toll-free: 888-857-6264
- By mail: Office of Alumni Relations, University of the Sciences, 600 South 43rd Street, Philadelphia, PA 19104-4495

Sending a photo? A few randomly selected photos will appear in each issue. Make sure to identify each individual in your photo to ensure accurate identification in captions.

Please print all information.

Information Change?  ❑ Yes  ❑ No

Name
Class
Address
City
State  Zip
Work Phone
Home Phone
E-mail

DEGREE/PROGRAM ABBREVIATIONS

<table>
<thead>
<tr>
<th>Degree/Program Abbreviation</th>
<th>Degree/Program Abbreviation</th>
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<tbody>
<tr>
<td>BAC Bacteriology</td>
<td>MSPAS Master of Science in</td>
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<tr>
<td>BC Biochemistry</td>
<td>Physician Assistant Studies</td>
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<tr>
<td>BI Biology</td>
<td>MT Medical Technology</td>
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<td>BInf Bioinformatics</td>
<td>OrgC Organic Chemistry</td>
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<td>BMS Biomedical Science</td>
<td>P Bachelor of Science</td>
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<td>BW Biomedical Writing</td>
<td>in Pharmacy</td>
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<tr>
<td>C Chemistry</td>
<td>PA Physician Assistant</td>
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<tr>
<td>CB Cell Biology</td>
<td>PAd Pharmacy Administration</td>
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<tr>
<td>CS Computer Science</td>
<td>PharmD Doctor of Pharmacy</td>
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<td>DPT Doctor of Physical Therapy</td>
<td>Pharmaceutical and</td>
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<td>DrOT Doctor of Occupational Therapy</td>
<td>Healthcare Business</td>
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<td>ES Environmental Science</td>
<td>PhC Pharmaceutical Chemistry</td>
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<td>ESWM Exercise Science and</td>
<td>PhCog Pharmacognosy</td>
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<tr>
<td>Wellness Management</td>
<td>PhD Doctor of Philosophy</td>
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<tr>
<td>HonAlm Honorary Alumnus/a</td>
<td>PhG Graduate in Pharmacy</td>
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<tr>
<td>HonDSc Honoray Degree (Science)</td>
<td>(equivalent to P that is</td>
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<tr>
<td>HPay Health Psychology</td>
<td>used today)</td>
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<tr>
<td>HS Health Science</td>
<td>PhSci Pharmaceutical Sciences</td>
</tr>
<tr>
<td>HumSci Humanities and Science</td>
<td>PhTech Pharmaceutical</td>
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<tr>
<td>IndP Industrial Pharmacy</td>
<td>Technology</td>
</tr>
<tr>
<td>MB Microbiology</td>
<td>PH/TX Pharmacology and</td>
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<tr>
<td>MBA Master of Business</td>
<td>Toxicology</td>
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<td>MBM Master of Business</td>
<td>PMM Pharmaceutical</td>
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<tr>
<td>MBB Master of Business</td>
<td>Marketing</td>
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<tr>
<td>MedC Medicinal Chemistry</td>
<td>PrePro Pre-Professional</td>
</tr>
<tr>
<td>MOT Master of Occupational Therapy</td>
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<tr>
<td>MPH Master of Public Health</td>
<td>Psy Psychology</td>
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<tr>
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<td>STC Certificate in</td>
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<tr>
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</table>

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