

THE Bulletin

A MAGAZINE FOR ALUMNI AND FRIENDS OF UNIVERSITY OF THE SCIENCES VOLUME 99 NO. 1

PROVIDING RELIEF IN HAITI

Alumna Patty Greene P'93 travels to Haiti to put her education to good use.



Lisa A. Lawson
Taking a Step Forward

Putting Up Road Blocks
to Metastasis

USciences
Ranks in Top
2% for Earners

Our Future. **DISCOVERED.**



At University of the Sciences, we are building on the legacy started 190 years ago as Philadelphia College of Pharmacy. But we have grown and changed, like the healthcare and science landscape around us.

After extensive internal and external research and feedback from alumni and individuals like you, it became clear that we needed to simplify our name and expand our outreach beyond Philadelphia.

Everything we do is about moving life forward. It starts at the molecular level...like the DNA of life represented in our new logo. It starts with our five colleges. It starts with our students. And it starts with you.

This change is a process that will take time to permeate everything we do.

We all know that USciences is a different school in a different world. Our strength is giving our students a challenging and rewarding education. Like no other institution, we advance discovery...

where HEALTHCARE and SCIENCE converge.

Our five colleges also share in this process and each is able to take pride in its role individually and as a part of the whole:

**Philadelphia College
of Pharmacy**



**Misher College of
Arts and Sciences**



**Samson College of
Health Sciences**



**College of
Graduate Studies**



**Mayes College of Healthcare
Business and Policy**



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UNIVERSITY OF THE SCIENCES
VOLUME 99 NO. 1



Members of the Class of 1985 celebrating their 25th Reunion gather with USciences President Philip P. Gerbino P'69, PharmD'70. Left to right: Mary A. Parenti P'85, PharmD'87; Jeffrey E. Goldman P'85; Merry Ann C. Edwards P'85; Robert A. DiCicco P'85, PharmD'88; Stephanie A. Zarus P'85, PharmD'88; Dr. Gerbino; Diane Marie Pascu P'85; and William M. Ellis, Jr., P'85.

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Patty Greene P'93 was a part of a relief team that traveled to Haiti to render aid.

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Cross-disciplinary approach to H1N1 provided a teachable moment.

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FROM THE PRESIDENT

University of the Sciences enables students to focus their curiosity and love of science, leading them to rewarding futures in the sciences and healthcare fields.

As our proud and distinguished institution continues to grow, the above brand promise statement,



developed over the last year, has never been truer. And as we celebrate the 190th anniversary of our founding, we have evolved into a dynamic University that would make the 68 founding apothecaries proud. But I want to focus on the last 12 years since we achieved university status and became University of the Sciences in Philadelphia.

Research has shown that there is an awareness gap with the acronym USP and that “in Philadelphia” causes confusion or is left out entirely because it is too cumbersome. Market research and multiple focus groups with many of our audiences, from parents to students to alumni to high school guidance counselors, have

verified what we suspected. The marketplace is always smarter than we are.

So why don’t we just call ourselves what others already do—University of the Sciences?

While we remain officially registered as University of the Sciences in Philadelphia and you may see a USP reference around campus, we have begun to deemphasize, and in many respects drop, USP and “in Philadelphia” when referencing our overall brand. We are also in the process of addressing our strong college subbrands in order to provide an affinity and seamless feeling to our brand architecture. You will see focused

efforts for all of the colleges in the future.

Of course, people naturally tend to shorten things and in this day and age of Twitter and text messaging, shorter is better. So, we are also refining an even more abbreviated brand version that our focus groups have helped us verify as “USciences.” This shorter convention helps on the web, when we communicate to our students, and when we communicate to our prospective students and their families. It helps us get the message out and bridge the awareness gap. It’s going to take a while before this catches on.

But our first step is to make sure that everyone is using the name University of the Sciences.

This is not an overnight transition. It will take us a few years to get this done. Irrespective of our own passion for the names we believe in, this is what resonates with our students and parents who are our stakeholders.

Please join me in embracing this name transition to University of the Sciences.

Sincerely,

PHILIP P. GERBINO
P’69, PharmD’70
President

The mission of University of the Sciences is to educate students to become leaders and innovators in the sciences, health professions, and emerging related disciplines. Building on our legacy as the nation’s first college of pharmacy, we provide excellence in teaching, research, and service.

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First Person: Providing Relief In Haiti

BY JENNIFER O'BRIEN PMM'11



With duffel bags full of much-needed medicines, **PATTY GREENE P'93** was able to provide relief in the midst of tragedy.

Buildings crumbling, families living in tents because they no longer have homes, people dying, children left orphaned—all part of the terrible aftermath of the earthquake that shook and demolished Haiti and its capital city of Port-au-Prince. Most Americans were touched by the tragedy and opened up their wallets, yet pharmacist **PATTY GREENE P'93** did one better. She joined forces with the nonprofit organization group Explorers Sans Frontiers (ESF) to work as part of a five-person disaster relief team.

After having received a series of vaccines, her body was physically ready for the trip, but was she psychologically ready for what she was going to observe?

“Pretty much you just prepare yourself emotionally to see whatever. Our expectations were...well, we really didn’t have expectations because we didn’t really

know what we were going to see. What you see on the TV wasn’t necessarily what we would experience. I kept an open mind to seeing anything and treating anything.” However, not knowing what exactly to expect, Greene prepared for the worst.

Greene, who is the wife of **SCOTT GREENE P'92**, a PCP experiential field supervisor, spent a week in the country, from April 1 to April 8, 2010. Her team, composed of Joseph Buchanan RN, BSN; Bridgette Nelson RN, MSN; Shonta Collins, RN; and Dr. Stephen Pedron, came bearing all the supplies they could carry in large duffel bags.

Every day was a different location, but it didn’t matter where they went because the mayhem and devastation were everywhere.

“Sometimes we went into a tent city, other times we went into a village, and sometimes we went to the countryside,” said Greene.

From 9 a.m. to 4 p.m. each day, they would set up their mobile clinic and hundreds of people would be eagerly waiting in line.

Wherever they traveled, villagers were notified and asked to provide safe working quarters, but it didn’t always work out that way. Most villages scarcely had enough to take care of themselves, let alone Greene and her team, so she would have to dispense medicine right out of her duffel bag. Occasionally,

“Pretty much you just prepare yourself emotionally to see whatever.”

PATTY GREENE P'93

she would have a table and, if she was lucky, a makeshift tarp held up with sticks, similar to what the villagers had to live in.

No matter what the conditions, they always held a clinic. One nurse, with help from her interpreter, would be triage to determine the primary symptoms. The nurse would write them down, direct the patient to the doctor who would do an exam or ask more questions. The doctor would write a prescription, and then Greene would

“Everyone went home with things like rehydration salts because they don’t have food or water.”

PATTY GREENE P’93

dispense the required medication and instructions.

Along with the generosity from an organization called AmeriCares, who had a large warehouse of prescription medications, the relief team was able to supplement their supplies with antibiotics, general maintenance medications, and sleeping medication.

“Everyone went home with things like rehydration salts because they don’t have food or water. We treated dehydration, malnutrition, hypertension, and diabetes. Also, a lot of people didn’t sleep at night because they were stressed. Some lost their [spouses] in the earthquake; others lost their children,” recalled Greene.



The Haiti disaster relief team, left to right: Joseph Buchanan, RN, BSN; Bridgette Nelson, RN, MSN; unidentified child; orphanage caretaker; **PATTY GREENE P’93**, RPh; Shonta Collins, RN; and Dr. Stephen Pedron, maternal and fetal medicine.



Crowds of people in distress greeted the team wherever they went.

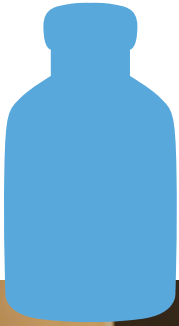
It is feared that the earthquake is not the end of the pain. The poor sanitary conditions increase the threat of disease. Yet, according to Greene, most Haitians aren’t concerned with what is to come tomorrow, but rather they are just trying to make it through today, dealing with the misery and the loss they have regrettably experienced.

“The villagers were very grateful that we were there. You just needed to sit down next to them and if you put your hand on their knee, that’s all they needed because of that feeling of touch to them,” Greene reflected. “They just appreciated that you were there to spend the time with them, ask them questions, and a lot of them just needed to talk.”

Even through all the pain and despair surrounding Haiti, Greene was able to see the positive. The experience was one of a lifetime—one she would not have had without her USciences’ background. Through the foundation laid by her schooling, Greene was able to provide the appropriate tools to help the Haitian survivors.

Scenes of the devastation caused by the earthquake were widespread.





Got Swine Flu? We didn't.

BY JEN A. MILLER



First concern was keeping faculty, staff, and students healthy. The second was spring 2009 graduation. Once the spring panic ebbed and the team realized that H1N1 was going to be a persistent threat, they created a plan should it spread across campus and a plan to vaccinate as many students as possible.

"It's an enrollment management issue," said **PAUL C. FURTAU**, PsyD, director of Student Health and Counseling Center (SHAC).

"We're a health science institution, and we needed to utilize best practices to respond to a health need on campus."

WILLIAM CUNNINGHAM, PhD, Dean of Students

"A lot of sick students would have brought the institution to a halt."

The response team came up with a multipronged program that involved:

1. Raising awareness of the need to be vaccinated, especially for students under 24 and students who already worked in healthcare.
2. Raising awareness of measures that could prevent the spread of H1N1, such as regular hand washing and self-isolating if experiencing flu-like symptoms.
3. Preparing a system that would vaccinate as many people as possible when doses became available—a day that the response team didn't know because the City of Philadelphia could not give solid dates when the vaccine would be delivered.

"One of the most important techniques we used was viral marketing," said **MELANIE OATES**, PhD, former director of the undergraduate business program. "Our target market—young people—responds much more to word-of-mouth marketing and to Internet social marketing."

Her students created t-shirts with slogans like "Got Swine Flu? I don't. Get vaccinated." on them. Marketing students wore them around campus and sold them for \$5 each, the cost of which was subsidized by Student Affairs and SHAC. They also blanketed University-affiliated Facebook student and group pages with information about why students needed to be vaccinated.

As soon as vaccines were made available, the response team set up a vaccination clinic in the Athletic/Recreation Center. Student volunteers helped with everything from getting the word out to dose preparation, while trained faculty from Philadelphia College of Pharmacy administered the shots.

"The key was we did a lot of prep work," said **BERNARD D. GOLLOTTI**, executive director of public safety and security. "We started with the pandemic preparedness team, who put together a plan that was executed."

Through two clinics, over 1,100 people were given vaccinations. The University vaccinated 30 percent of its students, more than triple the national average, which put the University in a good position had a third wave of H1N1 come around as feared.

The public health scare of the decade may have passed, but when H1N1 exploded on the radar screen in spring 2009, no one knew what to expect. University of the Sciences formed a response team to start planning what to do should swine flu come to campus.

"We're a health science institution, and we needed to utilize best practices to respond to a health need on campus," said **WILLIAM CUNNINGHAM**, PhD, dean of students.

The University used what could have been a disaster as a cross-disciplinary teachable moment that gave students hands-on experience in dealing with a real health emergency.

The University established an emergency information website to help disseminate information for H1N1 and other campus-wide issues: emergency.usp.edu.

Lisa A. Lawson: Taking a Step Forward

BY JEN A. MILLER

When **LISA A. LAWSON**, PharmD, came to the Philadelphia College of Pharmacy and Sciences campus in 1982, she was focused on the job at hand: assistant professor of clinical pharmacy.

“My goal upon arriving at PCP&S was to become an outstanding faculty member in the area of pharmacokinetics, not an administrator,” said Lawson. She focused on her teaching duties, on scholarly activity, and on her practice, which she set up at the Philadelphia VA Medical Center.

Dean, however, is where she’s landed. This year, she became the first female dean of the Philadelphia College of Pharmacy. She also accepted the prestigious Barbara H. Korberly Professorship in Women’s Leadership and Health.

Colleagues credit her strong vision for the future of the college and ability to work with students and faculty as tools that helped her advance to the dean role.

“We moved to the Philadelphia area for the great career opportunities in pharmacy,” Lawson said. She had earned her undergraduate degree at the University of Nebraska and a doctorate of pharmacy from the University of Kentucky.

She met her husband, Gene Gibson, another pharmacy resident at the University of Kentucky, and after a three-year residency at University of Kentucky’s A. B. Chandler Hospital, the couple moved to Philadelphia.

When they started their family, she was the one who took a step back, which is why she said that her becoming dean now is especially significant.

“I had a nontraditional way of it in my professional life,” Lawson said. “I worked part-time to have more time with my family. I’ve had people say to me that they think I’ve balanced my professional and personal life well, though it takes longer to accomplish things.”

In 1989, she became director of the doctor of pharmacy program and then assistant dean in 1994, a position she held until 2006 when she became associate dean. **GEORGE E. DOWNS**, PharmD, dean emeritus and professor of clinical pharmacy, was dean at the time.

“She was the one who always kept me on the straight and narrow. She’s got the wisdom that goes with that,” said Downs. “She has the vision for where the University needs to go and where the pharmacy program needs to go.”

“Students love her. She understands them. She’s very sensitive to their needs,” said University President **PHILIP P. GERBINO** P’69, PharmD’70. “Many of the faculty have been her colleagues, and she is very respected by them. She’s an icon and mentor for young faculty. She has a way to bring young faculty along and get them to achieve at higher levels.”

When she became associate dean in 2006, she was part of a team that changed the doctorate in pharmacy curriculum to one that prompts students to be active rather than passive learners.

“We want to develop a personalized plan of learning from when they walk in the

“PCP is the first and finest institution of its kind. My vision is to lead the faculty, staff, students, and alumni of PCP in its ongoing advancement as a premier pharmacy college.”

LISA A. LAWSON,
PharmD, Dean,
Philadelphia College
of Pharmacy



door. This would involve identification of preferred learning styles, developing professional and personal goals, and an assessment of baseline knowledge and skills. Students would be guided by faculty and peer mentors as they move through the program,” Lawson said. “We need to move away from just content delivery and make sure that they are actively engaged with faculty in a meaningful and sustained manner in the learning process.”

Her role, as she sees it now, is to lead PCP into a professional world that will be radically changed by new healthcare regulation affecting both practice and research.

She also sees herself not just as a role model for students, but also for colleagues who have faced the same conflicts between their personal and professional lives that she once did. “Since I’ve been named dean, I can’t tell you how many women faculty, students, staff, alumni, and parents have come up to me and said it’s an important event that there’s a woman dean.”

She’s enjoyed the path that got her here and is honored at taking over the role, especially at PCP, which has been her home for most of her professional career.

“PCP is the first and finest institution of its kind. My vision is to lead the faculty, staff, students, and alumni of PCP in its ongoing advancement as a premier pharmacy college.”

The Class of 2010

When the last of the class of 2010 walked out of the Mann Center for the Performing Arts on May 26, 2010, graduation was already just a memory. Thoughts turned to the future where a University survey found that 71 percent already had a job or placement in a graduate program by that milestone day. Historically, after three months, that number for job and advanced degree placement shoots up to 90 percent.

Meet five graduates from the class of 2010 who look to become more than a statistic. They want to make a difference.



Preyanka Makadia BI'10
(minor in communications)
Misher College of Arts and Sciences

How would you describe your experience at USciences and what will you remember most?
Being supported—if I set out to accomplish anything, all of the resources were there for me. My professors and advisors encouraged my ambition and helped find solutions when I encountered challenges, such as course conflicts. Everything was tailored to the student, and everybody worked to help me succeed.

What are your career plans after graduation?
I am currently a medical student at Philadelphia College of Osteopathic Medicine.

How do you expect your degree will uniquely prepare you for your career?
Classes were challenging and helped me develop a strong work ethic; I developed valuable skills that I will certainly use as a physician. Taking science and communication courses provided me with a well-rounded education that led me to discover my passions for medicine and health communication.

“Classes were challenging and helped me develop a strong work ethic.”

PREYANKA MAKADIA BI'10



Class of 2010 Commencement Snapshot

- Total graduates: 554
- Degrees granted: 601
- Undergraduate degrees: 525
- Graduate degrees: 76
- Undergraduate-level grads: 478
- Graduate-level grads: 76
- Dual-degree graduates: 47
- Men: 212
- Women: 342
- Age of youngest graduate: 20
- Age of oldest graduate: 66
- Number of states represented by graduates: 25
- Number of countries represented by graduates (other than USA): 9
- Number of graduates with a 3.40 GPA or higher: 208
 - Undergraduate: 143
 - Graduate: 65

Breakdown of Degrees

- BS: 140
- BSHS: 86
- MBA: 28
- MOT: 30
- MPH: 2
- MS: 38
- DPT: 33
- PharmD: 236
- PhD: 8



Magdi Stino MS'10

College of Graduate Studies

Why did you decide to attend the University to pursue your degree?

I have friends in the pharmaceutical industry, and they all believed that the University has one of the top programs.

Was there an experience, course, professor, or something else that impacted you the most?

My academic advisor, Dr. William McGhan, has guided me throughout the program. I believe that his advice has helped me get the most benefit out of the program.

What advice or insights would you share with a prospective student?

It is important to get to know your professors as soon as possible. They will help guide you through the coursework.

Where do you see yourself in 5 to 10 years?

I see myself working in the industry at an upper-management level.

"I have friends in the pharmaceutical industry, and they all believed that the University has one of the top programs."

MAGDI STINO MS'10

Jason Cherian MOT'10

Samson College of Health Sciences

What are your career plans after graduation?

After graduation I plan to take the [National Board for Certification in Occupational Therapy (NBCOT)] exam so that I can become certified and licensed to practice in the state of Pennsylvania. I plan to work in either an inpatient acute rehab or an acute hospital setting.

How do you expect your degree from the University will uniquely prepare you for your career?

The University gave me the skills, experience, and knowledge necessary to become a dynamic, perceptive, and successful therapist.

Was there an experience, course, professor, or something else that impacted you the most?

I believe that the Occupational Therapy Department impacted me the most because they always made it seem like I was at a home away from home. The entire faculty from the chair to the administrative coordinator to the professors really made my OT experience more pleasant.



"The University gave me the skills, experience, and knowledge necessary to become a dynamic, perceptive, and successful therapist."

JASON CHERIAN MOT'10

Philip Parente Maher PharmD'10

Philadelphia College of Pharmacy

Why did you decide to attend the University to pursue your degree?

I wasn't sure what degree to pursue, so I chose University of the Sciences because pharmacy offered an advanced degree. Additionally, it provided me the opportunity to participate in athletics throughout my college career, which was huge for me.

What are your career plans after graduation?

I plan to pursue a pharmacy residency at Thomas Jefferson University Hospital.

How do you expect your degree from the University will uniquely prepare you for your career?

I think it already has prepared me. Following rotations, I believe I had a unique set of experiences and developed relationships that can never be replaced.

Was there an experience, course, professor, or something else that impacted you the most?

Playing four years on the baseball team. I firmly believe the rigors of a baseball season, combined with trying to succeed in the classroom, have really prepared me for almost any task. Most importantly, the guys I played with are family to me. What's more important than that?



"I firmly believe the rigors of a baseball season, combined with trying to succeed in the classroom, have really prepared me for almost any task."

PHILIP PARENTE MAHER
PharmD'10



Nicole Turner MPH'10

Mayes College of Healthcare Business and Policy

Why did you decide to attend the University to pursue your degree?

The master of public health (MPH) program at the University was flexible for my work hours and had a variety of classes that fit my interests. I always have worked in hospital settings and was very interested in learning about public health policy issues.

How do you expect your degree from the University will uniquely prepare you for your career?

My MPH degree has given me knowledge about all the different areas of public health, and I feel that I will be able to apply it to many different jobs.

Was there an experience, course, professor, or something else that impacted you the most? Why was that important to you?

The most memorable part of graduate school was taking my health policy classes during the healthcare reform debate. Relating the current events to the class material really helped me learn the intricate details of health policy, and I really enjoyed the discussions with classmates and professors.

"Relating the current events to the class material really helped me learn the intricate details of health policy..."

NICOLE TURNER MPH'10

BULLETIN BOARD

BOARD OF TRUSTEES

BOARD OF TRUSTEES WELCOMES FIVE IN 2010-11

Four new members as well as an alumni representative were elected to serve on the University's board of trustees. The responsibilities of the board include approving the University's strategic plans and ensuring their consistency with the institution's mission and goals.



ANDREW FERRARA P'61

Andrew Ferrara served in a number of business areas in the United States and Europe in his 20-year tenure with Eli Lilly & Company. During his last four years at Eli Lilly, he was corporate director of new product planning and licensing. Since founding Boston Healthcare in 1993, he has been involved in the development of a number of companies.



LEONARD S. JACOB, BI'70, HONDSc'08, MD, PhD

Since receiving his biology degree from Philadelphia College of Pharmacy and Science in 1970, Dr. Leonard S. Jacob has been responsible for developing seven prescribed drugs impacting human health. For the past two decades, he has been an entrepreneur, cofounding Genaera Corp. and InKine Pharmaceutical Co. Currently, he is chairman for Life Science Advisors, Antares Pharma Inc., and Stay Awhile Resorts.



WILLIAM S. MARTH, MBA

William S. Marth is the president and CEO of Teva Pharmaceutical Industries North America. Teva is among the top 15 pharmaceutical companies in the world and is the leading generic pharmaceutical company in the U.S. Marth is a licensed pharmacist and serves on various boards, including the American Society for Health-System Pharmacists. He also served as chairman of the Generic Pharmaceutical Association in 2008 and 2009.



MARK OLEY P'83

Mark Oley is the CEO/president and founder of Westwood Pharmacy, one of the largest pharmacy suppliers to correctional facilities throughout the United States. He has a long and distinguished record of accomplishments in pharmacy, including retail, assisted living, and long-term care, as well as serving the correctional industry. Oley served as gubernatorial appointments on the Virginia Board of Pharmacy for eight years (1998 to 2006).



ROSE MARY B. HOY, P'82, RPH

Rose Mary Battista Hoy is currently the executive director of pharmacy & distribution in Merck's managed markets unit. She has been with Merck for 28 years, with previous responsibilities in sales, marketing, and manufacturing. Hoy actively supports the USciences student chapter of the Academy of Managed Care Pharmacy in her role as diplomat, and she frequently lectures to students about careers in pharmacy.

BULLETIN BOARD

USciences Grads Rank Highly for Mid-Career Salaries



Graduates from University of the Sciences are among the top dozen highest earning in the country, according to data released by online salary-tracking company PayScale.com in its 2010–11 College Salary Report. Tied for 11th on the list, USciences graduates earn a median salary of \$113,000 annually at mid-career. **USciences graduates are the second highest earning in Pennsylvania**, topping local institutions such as University of Pennsylvania, Lehigh University, Lafayette College, and Swarthmore College. Also according to the report, USciences is ranked seventh on the list of all northeast colleges by salary potential and is recognized as the top college for pharmacy, graduating the highest percentage of individuals practicing in the field. Read more: <http://bit.ly/bHH1Da>.



Middle grade science teachers expand their teaching tools to bring back to the classroom.

Summer School for Science Teachers

For 10 middle school teachers, their summer vacation included a bit of a role-reversal—four weeks as a student at the Summer Institute for middle grade science teachers at University of the Sciences. Funded

by the U.S. Department of Education, the Summer Institute, now in its fifth year, utilizes the University's resources and expertise to support the professional development of middle grade science teachers and enhance the classroom experience of Philadelphia's students.

"The teachers worked collaboratively with each other and our faculty on techniques to incorporate hands-on, minds-on activities that will motivate their students. We are fortunate to receive funding that affords us the opportunity to make a difference in the quality of science teaching in the middle schools of Philadelphia," said **LOIS H. PECK**, EdD, director of the science teacher certification program. Read more: <http://bit.ly/dae3lg>.

Working in lecture and laboratory settings, the teachers were given a better understanding of national standards for content, inquiry-based science and math, and how to design evidence-based classroom demonstrations that will peak students' interest.

Are High School Students Missing Out?

High school students today don't appear to be getting all the facts they deserve about their future. A recent study conducted by Harris Interactive online for University of the Sciences recently reported that almost half of all high school students do not intend to undertake a career in science or healthcare-related fields.

RUSSELL J. DIGATE, PhD, provost, suggests that the best way to educate students about healthcare and science careers is by reaching out to them sooner than high school. He believes that teachers should inspire children, as early as the fourth grade, with the excitement and curiosity that science entails (see Summer School for Science Teachers).

"It would be much better for the kids to perform or participate in interesting and challenging experiments," encouraged DiGate. "I think children will understand that the real allure and beauty of science is that for every question you figure out, you generate five more questions. That is the kind of thing that we need to use to captivate the students' interest at a young age." Read more: Survey—<http://bit.ly/bVjeIM> | Response—<http://bit.ly/djrsEP>.

BULLETIN BOARD

Campus Improvements



New emergency call boxes provide the latest in high-tech safety.



BigBelly trash compactors aim to improve campus refuse collection.

New emergency call boxes and solar trash units are the latest additions to ongoing campus enhancements. The new blue emergency towers (<http://bit.ly/d51KUu>) around campus offer the latest in high-tech safety and communication. The highly visible towers and wall units provide emergency communication, mass notification, and CCTV surveillance. On the eco-friendly side, 15 BigBelly trash compactors (<http://bit.ly/9tTUji>) were purchased to streamline the University's trash/recycling operations, eliminate overflowing containers, showcase environmental efforts, and reduce overall costs. All told, 45 of the solar powered compactors will be purchased as part of a three-year plan.

OT Transitions to Doctoral Degree

The occupational therapy program has been given provisional approval by the Commonwealth of Pennsylvania to offer a program leading to the doctor of occupational therapy (DrOT) degree.

"We wanted to make USciences a destination point for OT education in the area," said **PAULA KRAMER, PhD**, professor and chair of the OT department. "If you look at other professions, like pharmacy, PT, and audiology, they have already moved to a doctorate, and if we as a profession want to be at the table and be equal to our counterparts in healthcare, the doctorate is where we are going."

USciences' accelerated pathway is the only entry-level DrOT program on the East Coast and one of only five entry-level professional doctoral programs in the country. Benefits for the advanced degree include additional fieldwork and the opportunity to specialize in one of two areas: community-based practice or leadership.

"The higher standards of the DrOT degree provide not only a more value-added education but also the foundation to thrive in the changing healthcare landscape," Kramer said. Learn more at www.usp.edu/ot.

Pharmaceutical Press to Publish Remington

Pharmaceutical Press, in collaboration with Philadelphia College of Pharmacy at University of the Sciences, will publish *Remington: The Science and Practice of Pharmacy*. The 22nd edition of the reference work will take advantage of online delivery for the first time in its publication. Recognized as a definitive reference on the science and practice of pharmacy, *Remington* has been associated

with University of the Sciences since its first publication by Professor Joseph Remington in 1886. The *Remington* brand will also be brought to the international market and extended via the development of online educational material prepared specifically to work alongside the discipline's leading texts and course management systems. Read more: <http://bit.ly/aA2Slm>.



Left to right: alumni Stephanie Bean, MPT'89; Siobhan Duffy P'84, BW'05; Arthur Blatman P'69; Robin Keyack P'81; and Tiziana Fox P'84, PharmD'02, toast to another reunion.

Reunion 2010

See more from Reunion 2010 online at www.facebook.com/usciencesalumni.
More highlights to come in our next issue!



Books in Print: New Drugs (2005–2009) and Comparison Ratings: NDCR 2010 Edition

DANIEL A. HUSSAR P'62, MS'64, PhD'67 has completed the 2010 edition of *New Drugs (2005–2009) and Comparison Ratings: NDCR 2010 Edition*. The book details the 112 new therapeutic agents that have been marketed in the 2005–2009 period, including comparisons to previously marketed drugs, specific advantages and disadvantages of each, and ratings for each new drug based on comparisons with related agents.

NEW DRUGS
(2005–2009)
and
COMPARISON
RATINGS

NDCR
2010 Edition

To order this valuable reference, please visit www.newdrugsndcr.com.



McNeil Professor to Lead Research Effort

The Wistar Institute and University of the Sciences in Philadelphia named Wistar Institute principal investigator **PAUL M. LIEBERMAN**, PhD, an expert in gene expression and regulation, as the McNeil Professor of Molecular Medicine and Translational Research (<http://bit.ly/cZODVa>).

In this role, Lieberman will provide leadership of the Center for Chemical Biology and Translational Medicine (CCBTM). The CCBTM combines Wistar's strengths in basic biomedical research with University of the Sciences' expertise in medicinal chemistry and pharmacology.

The partnership will enable more rapid translation of basic science discoveries into compounds with potential for refinement into new medicines and therapies for patients. The McNeil Professor of Molecular Medicine and Translational Research is named after **ROBERT L. MCNEIL, Jr.**, P'38, HonDSc'70. In 2006, University of the Sciences also dedicated the McNeil Science and Technology Center in his honor.

SPORTS IN SHORT

Dayna Phillips: A Winner On and Off the Field

BY ROBERT HELLER

Devils softball player **DAYNA PHILLIPS** BI'11 will need a new trophy shelf. Phillips was named to the CoSIDA Academic All-District First Team when she was named to the ESPN The Magazine Academic All-District 2 Softball Team in spring 2010. She was the school's second first-team honoree during the 2009–10 academic year.

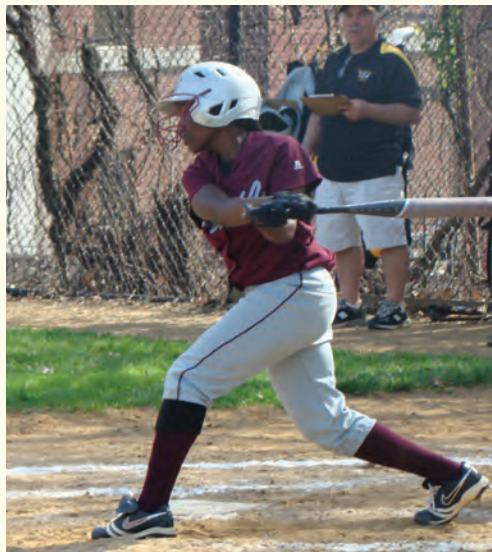
The CoSIDA/ESPN honor was one of several earned by the junior centerfielder this year. At the start of the school year, Phillips was one of the 24 USciences' student-athletes named as Division II Academic Achievement Award winners. Also in the fall, Phillips was named to the National Fastpitch Coaches Association (NFCA) All-Academic Team.

In the spring, Phillips earned her second consecutive Central Atlantic Collegiate Conference All-Academic Team honor and was one of just 10 area softball players named to the Philadelphia Area All-Academic Softball Team, giving the Rosenhayn, New Jersey, native a total of five student-athlete academic honors this season.

Phillips also excels on the field, compiling a .328 batting average in three years, while starting in every game (124 total) over that time span. In 2010, Phillips led the Devils with 20 runs scored and was third on the team with 37 hits while batting primarily in the leadoff position. Phillips also led the team with nine stolen bases and 11 sacrifice hits.

Career-wise, the three-year starter has also made her mark, ranking third on the Devils all-time list in runs scored (75), hits (134), and stolen bases (37). In 2009, she became just the second player in program history to record 50 or more hits in a season, banging out 51.

A biology/pre-med major, Phillips chose USciences because of the many opportunities that it gives its graduates and because of the close family-like atmosphere of the softball program. After graduating in 2011, Phillips plans to continue her education by attending medical school where she hopes to become a surgeon.



SPRING HONORS AND AWARDS

Eight student-athletes were named to the 2010 Central Atlantic Collegiate Conference (CACC) Spring All-Academic Team: softball's **ERIN DEGNAN** PharmD'12, **SAMANTHA TU** MOT'11, and **DAYNA PHILLIPS** BI'11; tennis' **RICARDO MARTINS** DPT'12, **DANIEL RUBIN** PharmD'12, **ROGER VAN SYCOC** DPT'14, and **FRANCISCO GARCIA** CS'13; and baseball's **LUKE PEYTON** PharmD'14. Degnan, Tu, Phillips, Martins, Rubin, and Garcia were repeat selections.

GARY THOMPSON DPT'13 was named to the CACC All-Conference Men's Baseball Team as an honorable mention selection.

ERIN SUMMERS PharmD'15 and Tu were named to the CACC All-Conference Women's Softball Team as second team selections. In addition, Phillips was chosen as honorable mention.

Martins reached the semi-finals of the CACC Individual Tournament singles competition and earned himself a spot on the All-Conference Men's Tennis Team.

BASEBALL AND TENNIS GARNER TEAM SPORTSMANSHIP AWARDS

The USciences' men's athletic programs won three of the five CACC Team Sportsmanship Awards for 2009–10. The baseball team and the tennis team each were voted by the league's coaches to the distinction, joining the men's basketball team. The award is given to the team in each sponsored conference sport that best exemplifies the spirit of athletic competition and sportsmanship. For the baseball squad, this is the second-consecutive year that the Devils have won the CACC Team Sportsmanship award and their fourth overall, becoming the first program at the institution to earn four sportsmanship awards.



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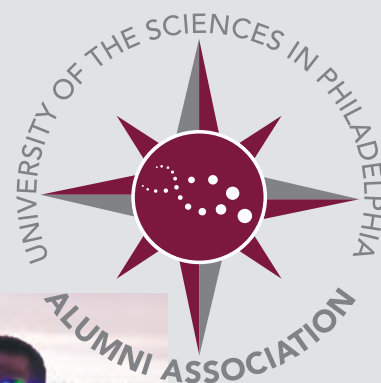
usciencesblogs.typepad.com/experts

ALUMNI CONNECTIONS

ALUMNI EVENTS



Young Alumni Happy Hour
Thursday, May 27, 2010, Essington, PA



University of the Sciences young alumni enjoyed themselves at The Deck at Harbor Pointe for a happy hour.

Delaware Alumni Reception

Thursday, March 4, 2010, Wilmington, DE



1.



2.



3.



4.

1. Left to right: Allen Whisler PharmD'12, SGA past-president; Ann Satterthwaite, vice president for institutional advancement; and Col. S. Roger Wetherill, III, P'68 enjoy the company of other Delaware alumni and friends.
2. Left to right: Mark Abrams P'56, Thomas Campbell P'54, and Joseph Kukulich P'54.

3. Left to right: Lisa A. Lawson, PharmD, dean, Philadelphia College of Pharmacy, with husband Gene Gibson and friend of the University Robert Kralovec.
4. Left to right: Meredith Bishop P'96, PharmD'97 and Larrye Loss P'83.

MISSION OF THE ALUMNI ASSOCIATION

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



USciences Legacy Society

The USciences Legacy Society is, simply put, a family tradition. Started in 2006, the Legacy Society honors the many families who have attended the University. A legacy is defined as "any alumnus or student in a family with one or more generations of graduates both living and deceased. This includes alumni and students who are related by marriage." The numbers are growing: 17 percent of our alumni (nearly 2,000 graduates) are "legacies." And there are an estimated 63 current students with legacy connections.

In what has become an annual tradition, the Legacy Society event was held in conjunction with the University's 189th Commencement activities in May.



1. Left to right: Nicholas Katra PharmD'04, son; Kristin Katra PharmD'10, daughter; Jessica Kaczinski PharmD'10, niece; Patricia Kidston Katra P'76, mother; and Henry Katra P'74, father.



2. Left to right: Catherine Burns Purzycki BI'83, mother; Kathleen Purzycki PharmD'10, daughter and Michael Purzycki P'80, father.

3. Cheryl Chen PharmD'10, daughter, and Judy Chen P'82, mother.

4. Left to right: David Curry MBA'o8, brother; Michael Curry PharmD'10, son; Susan Cruciani Curry P'83, mother; and Scott Curry P'83, father.

Visit www.usp.edu/legacy to learn more.
Are you a legacy?
E-mail us at legacy@usp.edu.



Hershey Area Alumni Reception

Thursday, April 22, 2010, Hershey, PA

Hershey area alumni and friends mingled over cocktails at the stately Hotel Hershey. Many connected and reconnected with classmates as University president Dr. Philip Gerbino and deans Dr. Rod Wigent and Dr. Lisa Lawson provided updates on school news.



Help us get to 1821 fans!

Alumni have their own place to gather online.
Connect at www.facebook.com/USciences

ALUMNI CONNECTIONS

CLASS NOTES

1950

WILLIAM G. GILLESPIE P'50 retired in September 2009 after 59 years as a pharmacist. He lives in St. Joseph, MI.

1951

NATHAN BRILLMAN P'51 (MD'57, Jefferson Medical College), **ALVIN M. PRESSMAN** P'51 (DO'66, PCOM), **HERBERT A. BRILL**, **GERALD J. BRODSKY**, and **MURRAY M. SANDLER** (all P'51) got together to celebrate this past holiday season as they have for at least 30 years. Sorely missed at this year's gathering was Gerald's late wife Marian.

1955

RONALD T. GOLDMAN P'55 retired in January 2010 after 13 years at Tel-Drug of PA. Prior to working at Tel-Drug, he owned a pharmacy for 33 years before selling it in 1995.

MARTIN S. GOLDSTEIN P'55 (MS'70, University of Pittsburgh) is currently working as a part-time host in the premium services department of the Philadelphia Phillies baseball club. He also works part-time as a performer on tenor saxophone. His website is www.martygoldstein.com.

1958

CHARLES H. CALISHER BAC'58 (PhD'64, Georgetown University) retired from Colorado State University on June 30, 2010, after 30 years of employment. His first retirement, from the Centers for Disease Control, "didn't take," so he's trying it again.

1964

JOEL S. STEINBERG BI'64 (MS'68, Hahnemann University; PhD'73, Medical College of PA; MD'76, Temple University) is first author of a booklet, *Guillain-Barré Syndrome*

and Related Disorders: An Overview for the Layperson, published in 2010 by the GBS/CIDP Foundation International. After many years in the practice of vascular and internal medicine and wound care, Joel has joined the Aria Health System as a hospitalist.

1966

JOHN A. FRANCESCHINI P'66 (MBA'70, Drexel University) had his one-act play *Herman's Wedding* produced by the West Coast Players in Clearwater, FL, as part of their 2010 one-act festival. He also had a staged reading of his full-length drama *Murder with Absolution* at Empire Theatre in Santa Ana, CA.

1967

RONALD P. FERRI P'67 retired from community pharmacy in 2007. He worked at Hopkinson House Pharmacy, Washington Square Pharmacy, CVS, and ShopRite prior to retirement. He moved from Philadelphia to Bar Harbor, ME, where he is enjoying retirement.

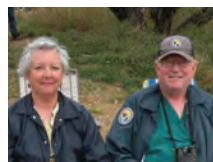
1970

JAY M. PAUL P'70 still owns the Pontiac 2+2 convertible he drove during his last two years at USciences (then PCPS). He resides in Jamison, PA.

1973

THOMAS J. DOUGHERTY MB'73 coauthored three recent publications: "Comparative Genome Analysis of High-Level Penicillin Resistance in *Streptococcus pneumoniae*" in *Microbial Drug Resistance*, "Purification of the Large Ribosomal Subunit via Its Association with the Small Subunit" in *Analytical Biochemistry*, and "Discovery of Azetidinyl Ketolides for the Treatment of Susceptible and Multidrug Community-Acquired Respiratory Tract Infections" in *Journal of Medicinal Chemistry*.

ROCKY L. LARSON P'73 and his wife Jan have retired and are enjoying life



on the road. Traveling in their motor home and volunteering with the

U.S. Fish and Wildlife Service, they have accumulated over 2,000 hours each. Staying at each national wildlife refuge (NWR) for three months, they have led canoe trips down the Rio Grand River, campground hosted in Alaska, given interpretive tours of Okefenokee Swamp, and helped restore habitats for numerous endangered species at several other locations. The also like discussing their new lifestyle with the many travelers they see when on duty in NWR visitor centers.

1975

CATHERINE (BENSON) EKELAND P'75 received her PharmD degree in 2009 from Massachusetts College of Pharmacy. She graduated magna cum laude and was a member of Rho Chi.

DONNA (CRAIGO) GAUMOND P'75 (PharmD'98, University of FL) retired in May 2009 from Sarasota Memorial Hospital. She and her husband moved to Williamsburg, VA, where she works at Mary Immaculate Hospital.

1981

IRACH B. TARAPOREWALA MS'81, PhD'84 took over as CEO of Ohr Pharmaceutical, Inc., in April 2010. Ohr Pharmaceutical is focused on developing new pharmaceuticals for underserved diseases such as macular degeneration, cancer cachexia, ovarian cancer, and insulin resistance.



1983



SCOTT C. GILBERT P'83 and Linda Fountain were married on June 20, 2010 at Beaches Negril Resort & Spa in Jamaica. In attendance were **KARL RECKTENWALD** P'83, **DAVID C. BRADSTOCK** P'78, **JANINE (GILBERT) BARNABY** P'90, **DANIEL J. LONG** P'79, **JAMES C. MATTHEWS** P'87, and **LISA (STEFY) MATTHEWS** P'90.

1986

ERIC A. SHALITA P'86 (MS'96, St. Louis College of Pharmacy) was recently promoted to the rank of Colonel in the United States Air Force. He is currently serving as pharmacy flight commander at Nellis AFB in Nevada. This summer, he will be relocating to Wright-Patterson AFB in Ohio, where he will serve as pharmacy flight commander. Additionally, he recently completed his term of office as hospital and institutional practice section chair in APhA's Academy of Pharmacy Practice and Management.

1987

ANDREA (PARISSE) GOSDA P'87 (MBA'94, St. John's University) and her husband Edmond announce the adoption of their son Charles Jacob, born on March 30, 2009.

1989

CURTIS E. CLARK P'89 (DO'97, PCOM) recently became a fellow of the Society of Hospital Medicine. He is now a hospitalist in Columbus, GA, where he lives with his wife Vickie and children, Courtney (11) and Emma (6).

ALUMNI CONNECTIONS

CLASS NOTES

1990

MARY E. BULLARD P'90 is working on her PharmD degree at Ohio Northern University. She is working on clinical rotations and hopes to be finished this year.

1991

FRANKLIN J. ROOKS MPT'91 received his JD degree from Widener University on May 15, 2010. He will be sitting for the PA and NJ bar exams in July 2010.

1992

ALKA (CHAUHAN) SOLANKI P'92 and her husband Dipan announced the birth of daughter Jaina on September 2, 2009. She joins older siblings Hiren and Hiral.

1995

SANDRA (RANIERI) COSTA BC'95 (MS'97, DO'02, PCOM) and her husband Louis welcomed second son Maximilian Louis Pietro on December 30, 2009. He joins big brother Alexander Guido Paul (1). Sandra is a family physician in private practice in Lemoyne, PA.

1999

ANDREW J. RAMSEY P'99 and his wife Amy welcomed their fifth child, Luke Andrew, on February 7, 2010. Luke joins big sisters Ruby and Grace (7), Eve (5), and Audrey (2). Andy is an assistant director at CAPS in Horsham, PA. He and his family reside in Skippack, PA.

2000

MICHAEL E. CASTAGNA P'00 and his family have recently moved from Boston back to the Philadelphia area. He is head of U.S. Biopharmaceuticals for Novartis Sandoz.

CLAIRE (DOYLE) FISHMAN MPT'00 and her husband Rich welcomed son Samuel Jacob on September 17, 2009. He joins big brother Benjamin (2½). The family lives in Howell, NJ.

VICTORIA (SMEDLEY) HERITAGE P'00 and her husband Christopher are the parents of Benjamin Christopher, born on December 8, 2008. The family resides in Swedesboro, NJ.

HEATHER (APPLE) NORTH MPT'00 (DPT'08, Temple University) and **JEFFREY M. NORTH** P'98 welcomed son Aiden Joshua on December 12, 2009.

MARK D. PIECHOSKI MPT'00 and his wife Lynn are expecting their first child in September 2010. Mark has also partnered with his boss, Clark Williams, and will be opening Pinnacle PT & Sports Medicine in late summer.



AMY (SLOAN) SBAITI P'00, PharmD'01 and her husband Rabia welcomed daughter Aya on October 17, 2009. She joins big brothers Naeem, Bashir, and Zaid. The family lives in the Harrisburg area.

CHRISTOPHER R. VAN BESSEN PH/TX'00 (MBioRA'07, Johns Hopkins University) and **KATHRYN C. GROVES** PharmD'07 were wed on June 18, 2010, in Piscadera Bay, Curacao. Kathryn is the pharmacy manager at Shaw's Osco Pharmacy in Burlington, MA. Christopher is a clinical project manager at New England Research Institutes.

2001

CARL J. POPELAS PharmD'01 and **CINDY (CLARK) POPELAS** MPT'01 (DPT'06, Temple University) welcomed daughter Courtney Mae on January 27, 2010. She joins big sister Julia (4) and brother John (2). The family resides in Milford, DE.

2002



STACY (MANNING) CARIELLO MOT'02 and **SCOTT A. CARIELLO** PH/TX'01, PharmD'03

announced the birth of daughter Juliana Elizabeth on October 14, 2009. She was born at 4:08 p.m. and joins big sister Leigh Nicole. The Cariellos live in Levittown, PA.

2003

JENNIFER (DIAMOND) CURRIE BI'03 is completing her residency in pediatrics at the University of South Alabama. She was selected to stay as chief resident for the pediatrics residency program. Jennifer currently lives in Spanish Fort, AL, with her husband Bryan and young son Alexander.



BLAKE E. STARR PharmD'03 recently opened Starr Compounding Pharmacy in Marcus Hook, PA. The pharmacy specializes in veterinary, bioidentical hormone replacement therapy, hospice, and sterile compounding. **EUGENE A. WILLARD III** PharmD'07 is partner in the company.

2005



LESLIE (PAYNE) JAGO PharmD'05 and her husband Bill welcomed son Andrew Leonard on

April 12, 2010, at 9:52 a.m. They reside in Leonardtown, MD.

ELLINA (KHAYKIN) MAX PharmD'05 and her husband Bryan announced the birth of daughter Talia Madeline on October 30, 2009. Ellina is currently employed at Boston Medical Center as a clinical pharmacist. Bryan is finishing his pediatric anesthesia fellowship at Boston Children's Hospital.



2006

ELIZABETH (JONES) DOYLE PharmD'06 and her husband Michael welcomed the birth of son Michael Daron on December 24, 2009. He joins big sister Carys Ruth. Elizabeth and her family reside in Media, PA.

Continued on page 20

ALUMNI CONNECTIONS

ALUMNI FOCUS

A Value-Added Proposition

May Lai Bl'98

BY APRIL HALL

MAY LAI Bl'98 graduated from USciences to become a molecular biologist. But that was only the beginning of her journey to find her life's work.

A little more than 10 years later, she is a partner at an Ameriprise Platinum Financial Services franchise in Doylestown.

"I got to a point where I was too comfortable in research, and it wasn't challenging anymore," Lai said. So she completed a postgraduate management program at the

Wharton School of the University of Pennsylvania.

"Management and planning are in every part of life," Lai said. "I learned it's not what you make, but what you keep. I felt like everyone should know more about their money, especially because they work hard to earn it."

She started out helping small businesses implement their retirement plans, but soon she grew into helping people with their personal finances. She was working in the field for three years when the stock market took a turn for the worse.



"At this point I see a lot of value in [working in the financial sector], especially what we went through in 2008. That was a very traumatic time for even the most advanced investor, but I'm proud of the work I've done," she said. Investors can still benefit from working with a professional.

"The University taught me to push myself beyond what I thought was possible and to keep trying even when I thought it was my 'best,'" Lai said. "I have no doubt that University of the Sciences has helped me set a foundation for a lifetime of learning."



A Pharmacist Beyond the Realms of Practice... From Pharmacy to Hollywood

Mayank Amin PharmD'09

BY APRIL HALL

MAYANK AMIN PharmD'09 (at right with director M. Night Shyamalan) entered USciences as a student of pharmacy. He graduated a star. Well, "star" may be too strong a word, but Amin certainly seems to be on his way.

Amin was preparing for his final rotation before graduating with a doctor of pharmacy degree when he received a call. His photo had been submitted by his manager for a movie casting, and the casting director wanted to interview him.

The film was M. Night Shyamalan's *The Last Airbender*, which was released this summer.

"I had the look they wanted. I was fitted for my costumes to be a member of the 'Fire Nation,'" Amin recalled. "There was a lot of waiting, and I was pretty disinterested. I had decided I wasn't going to come back the next day."

But he did return the next day and before he knew it, he was no longer just another face in the crowd. His dance experience with the University's South Asian dance team, DhamaaL, allowed for him to pick up martial arts routines quickly. He was soon a featured extra. Then Amin was plucked out of the crowd for his resemblance to another actor—*The Last Airbender* star Dev Patel—for whom he served as a stand-in. Add to that his modeling for both the 3D filming and the action figures created in connection with the film and it's pretty certain that you saw a lot of Amin this past summer.

Amin would welcome more show business opportunities, but he'll keep his day job with Walgreens in the meantime.

CLASS NOTES

Continued from page 18

2007

LAUREN C. BROPHY PharmD'07 recently gave the following presentations:

- “Financial Impact of a Clinically Based Palivizumab Prior Authorization Program in a Medicaid Population” at the American Society of Health-System Pharmacists (ASHP) Midyear Clinical Meeting and Exhibition, Las Vegas, December 6–10, 2009, and at the American Pharmacists Association (APhA) Annual Meeting and Exposition, Washington, DC, March 12–15.
- “Atorvastatin Cost Savings Associated with the Removal of 10 mg, 20 mg, and 40 mg Strengths of Atorvastatin from a Medicaid Plan Formulary” at the American Pharmacists Association (APhA) Annual Meeting and Exposition, Washington, DC, March 12–15.
- “Financial Impact of a Clinically Based Palivizumab Prior Authorization Program in a Medicaid Population” and “Measuring Cost Savings Associated with the Removal of 10 mg, 20 mg, and 40 mg Strengths of Atorvastatin from a Medicaid Plan Formulary” at the Academy of Managed Care Pharmacy (AMCP) Annual Meeting and Showcase, San Diego, April 7–10.



2008

ANTHONY G. BOTROS HS'08 has abandoned his pursuit of a career and is working as a missionary and writer.

IN MEMORIAM

1961

MERCEDES N. RICCARDI P'61 passed away on May 21, 2010.

Making Mom Proud

BY CAROL R. COOL



ELIZABETH “BETTY”
EBY APPLEBY P'52

JAMES C. APPLEBY
P'87, RPH, MPH

When JAMES C. APPLEBY P'87, RPh, MPH, headed off to Philadelphia College of Pharmacy, you might have expected his mother, ELIZABETH “BETTY” EBY APPLEBY P'52, to be especially proud. She was a graduate of the college, as was her late husband FRED APPLEBY, JR., P'53. Both of James' grandfathers also attended PCP—his paternal grandfather FRED BRUCE APPLEBY, SR., P'25, who owned a pharmacy in Mt. Union, Pennsylvania, and his maternal grandfather JOHN G. EBY PhG'1907, PhC'1910, who owned a pharmacy in Merchantville, New Jersey. James would be the third generation on both sides of the family to attend the school.

Betty was busy raising six children, ages 9 to 19, when her husband died in 1974. She took over the reins of the family pharmacy. James was the youngest child, and none of the older children had entered the pharmacy profession. You might think that the pressure was on for him to attend PCP and enter the family business.

Not so, said James. “My mother was very careful not to make me, to make any of us, feel pressured to go into pharmacy. She knew my father had felt the pressure, that he had to do that, when, in fact, he had other things he loved to do.” James decided pharmacy school would be interesting, but he never went back to the family business. After graduation, James got a master's in public health at Temple. He then returned to PCP, designing CE programs for graduates and setting the course for all his future work.

James was recruited by the American Pharmacists Association (APhA) to become director of education. “It was an opportunity to have an impact very broadly on the practice of pharmacy,” said James. By the time he moved on 17 years later, he had filled a variety of positions, ending as chief operating officer and senior vice president of business strategy and operations.

The Gerontological Society of America (GSA) then asked James to be its executive director. “As I thought about it,” he said, “the future of the United States is going to be about how we deal with our dramatically aging society. This was an opportunity to try to have an impact on our society by helping to foster good policies in the area of aging.”

Betty is truly proud of her son: “I was delighted when James decided to attend PCP, but I didn't push him to carry on the tradition. It was entirely his choice.”

In Memoriam

**ROBERT L. MCNEIL, JR., P'38,
HonDSc'70**

"University of the Sciences has lost one of its most accomplished alumni with the passing of our longtime friend **ROBERT MCNEIL**. His ongoing friendship and support of his alma mater is felt in every corner of this institution," said President **PHILIP P. GERBINO P'69, PharmD'70**. "Over the years, I have had the privilege of getting to know Bob as a friend and mentor. I cannot begin to express the profound impact Bob has made at this University for generations of students. The McNeil family legacy will be forever etched in the annals of University of the Sciences."

The McNeil legacy began with his grandfather, Robert McNeil (Class of 1876), founder of McNeil Laboratories Inc. McNeil would follow in his grandfather's footsteps and graduate from Philadelphia College of Pharmacy and Science in 1938. He would be affiliated with McNeil Laboratories for 30 years and retire in 1964 after having served as chairman and chief executive officer. Under his leadership, McNeil Laboratories introduced Tylenol in 1955.

A member of the board of trustees from 1961 to 1968, McNeil received an honorary doctor of science degree in 1970 and was inducted into the Athletic Hall of Fame in 1982. He was also given special recognition on the University's all-millennium team in 2008.

McNeil's dedication and support for the University have continued with both academic and athletic philanthropy. He is considered one of the University's Lifetime Givers, a group of the most committed and long-term donors. He was a donor, along with his father and brother of the Robert L. McNeil Sr. Graduate Study and Research Center, as well as the namesake McNeil Athletic Fields. McNeil's support extended to the founding of the Class of 1938 Scholarship Fund. In 2002, McNeil established a scholarship to honor the contributions of William R. Jones, class of 1942, for Jones' competence as a division head at McNeil Laboratories. A second scholarship in 2009 came in honor of Jones' 90th birthday.

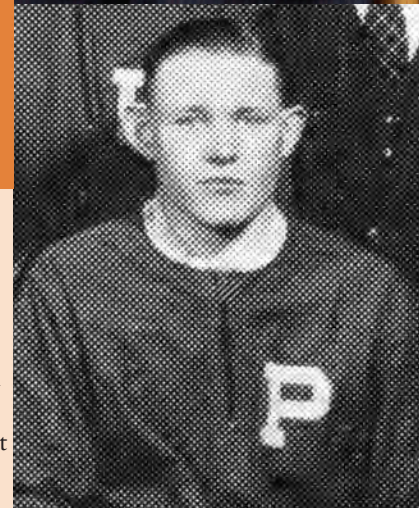
"The McNeil family legacy will be forever etched in the annals of University of the Sciences."

**PRESIDENT PHILIP P.
GERBINO P'69, PharmD'70**

In 2006, to recognize his dedication and generosity, the University named its newest science building in McNeil's honor, the McNeil Science and Technology Center, a 78,000-square-foot state-of-the-art facility that houses laboratories, classrooms, and lecture space.

At the time of the dedication, McNeil said with sincerity and a bit of humor: "The students are the future of [the University]. The institution is in the hands and minds of the students who will be the discoverers of tomorrow. Their discoveries will alleviate pain, but I hope not replace Tylenol, and generally improve the well-being of our fellow human beings."

Most recently, the McNeil Professor of Molecular Medicine and Translational Research was established in his honor and is currently shared in a partnership with The Wistar Institute through its Center for Chemical Biology and Translational Medicine.

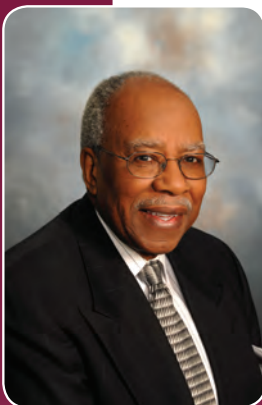


The Difference Donors Make

Those who give to our University aren't only donating to an institution; they're investing in individuals and the future. Like the benefactors featured here, our donors give for personal reasons: to give back to the institution that was instrumental in their success, to honor loved ones and professional associates, or for the sheer joy of giving. Through their generosity—and hundreds of others who provide support on a regular basis—University of the Sciences is strengthened and able to help thousands of students reach their professional goals and aspirations.

Del Payne Scholarship

To commemorate his years of service on the board of trustees and his 80th birthday, the University has established the **DELBERT S. PAYNE, HonDSc, Scholarship**. Payne has served as chairman of the board since 2000, helping to steer the historic growth and development of the University. With the support of longtime friend and former Rohm & Haas colleague John Haas, the scholarship was announced at the May 2010 board meeting. An initial major contribution from Haas, who has been friends with Payne for over 40 years, has been bolstered by additional donations from other individuals. At Payne's request, the scholarship, for which funds now exceed \$150,000, will be awarded to one African-American student at the University each year.



DEL PAYNE

WHY I GIVE...

COL. S. ROGER WETHERILL, III, P'68

The Wetherill family name is synonymous with Philadelphia College of Pharmacy. Four of the 68 apothecaries who founded PCP in 1821 were Wetherills, including the first chairman of the board **SAMU-**

EL PRICE WETHERILL. Col. Wetherill, a former board member himself, and his son **SAMUEL ROGERS WETHERILL, IV, P'97** continue that long lineage. Giving back is important to Col. Wetherill: "The University has given me a lot. It has helped to advance my career and gave me a real good start in life. I think it is time for me to give back. I want students to be able to advance their education and advance the field of pharmacy. I'm very proud of the University."

MARK P'76 AND SANDY P'76 SZILAGYI

"As you get older, and go through different changes, you find out what you are grateful for," said Sandy. "Mark and I believe that everything we have today is because of our parents, our family, and our education." The Szilagys own two independent pharmacies with lifelong friends, **HENRY P'74** and **PATTY P'76 KATRA**. The couples, whose friendships started as fraternity brothers and sorority sisters, have been in business together for 28 years. They have passed along their passion for pharmacy to their children: **MARK SZILAGYI PharmD'06** and **JENNIFER SZILAGYI PharmD'08** and **NICHOLAS KATRA PharmD'04** and **KRISTIN KATRA PharmD'10**. "Speaking for Mark, Patty and Henry, we are very grateful for the degrees that we got," Sandy said.



THE SZILAGYI FAMILY



COL. S. ROGER WETHERILL, III

W. W. Smith Charitable Trust Luncheon

Student recipients of scholarships from the W. W. Smith Charitable Trust of West Conshohocken gathered for a luncheon on March 2, 2010. The grant from the trust provides scholarships to full-time undergraduate students from the Delaware Valley who are in financial need and good academic standing. The W. W. Smith Charitable Trust has been funding Smith Scholars at the University for 30 years with grants over \$1.5 million. On hand to meet the students were Michelle Montgomery, W. W. Smith Charitable Trust scholarship grant administrator (center with scarf), and Louise A. Havens, medical grant administrator (center in grey).



Buchalter Scholarship—Providing for a Need

Anyone who has had an ultrasound has probably been touched by the work of **MARTIN BUCHALTER P'55**. Buchalter was a medical ultrasound pioneer, a former member of USciences' board, and president and chief executive officer of Parker Laboratories (Fairfield, New Jersey) when he passed away in 2008.

"He loved pharmacy, and he really liked being a pharmacist," said his widow Carol Buchalter, who remains vice president of marketing at Parker. "He enjoyed chemistry, and I guess that is why he was successful in what he did."

Before his passing, they established the Martin Buchalter Scholarship Fund to aid pharmacy students.

"When our children were growing up, we were in a position where we made too much money for need-based scholarships and not enough to make sending our kids to college easy," Carol said. "Martin wanted to ease the way for someone else. His feeling was very strongly that he did not want any monies put into the scholarship to be need-based but rather ability-based."

The Buchalter scholarship was established in 2006, and Carol has continued to add to it for the benefit of pharmacy students.

"He was very proud to have been a graduate," Carol said. "He had a nice measure of success in his life, and he attributed a lot of that to the confidence he gained as being a part of the school. He wanted to give something back."



MARTIN AND CAROL BUCHALTER



Leonard S. Jacob

LEONARD S. JACOB B1'70, HonDSc'08, MD, PhD, chairman for Life Science Advisors and current member of the board of trustees, poses with the most recent beneficiaries of scholarships that he has founded: **TANYA ANNE COTY** B1'10, recipient of the Sylvia Averbach Memorial Scholarship, and **MINH KIM VONG** B1'10, recipient of the Dr. Francis M. White Scholarship.

Joshua Manuel Rodriguez Memorial Scholarship— Keeping a Memory Alive

JENNIFER COLON P'00 grew up the daughter of a Puerto Rican father and a Russian mother. Her parents didn't have much money. But what they did have was a strong work ethic and a desire to give their children a better life by sending them to college.

"My dream was to go to University of the Sciences," said Jennifer. "It was always my number one choice."

Fortunately, a PREP scholarship, which paid half her studies, enabled her to attend. The PREP scholarship program awards scholarships to lower-income students, mostly minorities.

"I wouldn't have been able to go to the University without the scholarship," Jennifer explained.

Jennifer works at Virtua Health System, in Mount Holly, New Jersey, as a staff pharmacist. She experienced personal tragedy when her infant son, Joshua, died in 2006.

Wanting to give back to the University and honor her son, Jennifer found a way to do both by establishing the Joshua Manuel Rodriguez Memorial Scholarship to support a pharmacy PREP student of Hispanic descent in good academic standing and in financial need.

Jennifer is now completing the funding for the scholarship, which she hopes will help other students in the same way the PREP scholarship helped her.



JENNIFER COLON

WHY DO YOU GIVE? TELL US.

To learn more about making a difference through gifts to the University, contact Ann V. Satterthwaite, vice president of institutional advancement, at 215.596.8948 or a.satter@usp.edu.

SCHOLARLY ACTIVITY

SYMBOLS

Faculty and staff = ♦

Alumni = *

Current Student = ★

Other Collaborators = +

DEPARTMENT OF MARKETING AND E-MARKETING

Publication

R. Stryker+, **PAMELA WALD♦**, "Redefining Compassion to Reform Welfare: How Supporters of 1990s US Federal Welfare Reform Aimed for the Moral High Ground," *Social Politics*, 16(4):519–557, winter 2009.

MAYES COLLEGE OF HEALTHCARE BUSINESS AND POLICY

Awards

JOHN A. GANS♦

- received the Roland T. Lakey Award and gave a lecture entitled, "Thriving Not just Surviving" as part of the installation of Rho Chi members at the Eugene Applebaum College of Pharmacy and Health Sciences at Wayne State University, Detroit, April 7.
- received the William E. Hassan, Jr., Award and gave the Distinguished Rho Chi Memorial Lecture as part of the installation of members into Rho Chi at the Massachusetts College of Pharmacy and Health Sciences, Boston, April 8.

Contract

STEPHEN METRAUX♦ received a \$75,000 contract from the County of Los Angeles Chief Executive Office for "A Quantitative Process Analysis of the Los Angeles County General Relief Program."

Publications

D. N. Neubauer+, **KELLEEN FLAHERTY♦**, "Nonprescription Pharmacotherapies: Alcohol, Over-the-Counter, and Complementary and Alternative Medicines," chapter 36 in *Insomnia: Diagnosis and Treatment*, M. Sateia, D. Buysse, eds., Informa Healthcare, pp. 417–426, 2010.

J. M. Park+, **STEPHEN METRAUX♦**, D. Culhane+, "Behavioral Health Services Use among Heads of Homeless and Housed Poor Families," *Journal of Health Care for the Poor and Underserved*, 21(2):582–590, 2010.

J. Draine+, A. B. Wilson+, **STEPHEN METRAUX♦**, T. Hadley+, A. C. Evans+, "The Impact of Mental Illness Status on the Length of Jail Detention and the Legal Mechanism of Jail Release," *Psychiatric Services*, 61(5):458–462, 2010.

C. McAdam-Marx+, R. I. Field+, **STEPHEN METRAUX♦**, **STEPHEN T. MOELTER♦**, D. I. Brixner+, "Physician Utilization by Insurance Type Among Youth With Type 2 Diabetes," *American Journal of Managed Care*, 16(1):55–64, 2010.

MISHER COLLEGE OF ARTS AND SCIENCES

Awards

THUY HIEN NGUYEN★ was awarded a three-year fellowship through the NASA-Harriett G. Jenkins Pre-doctoral Fellowship Project (JFPF), which provides a stipend, tuition, and travel funds. This is the first full-time fellowship awarded to any graduate student at USciences. The advisor is **PRESTON B. MOORE♦**.

DIANA SARDELIS★ received a \$500 travel award from the Delaware Valley Mass Spectrometry Discussion Group to travel to the 58th American Society for Mass Spectrometry Conference on Mass Spectrometry and Allied Topics, Salt Lake City, UT, May 23–27. The advisor is **CATHERINE BENTZLEY♦**.

Grant

MICHAEL BRUIST♦, **ALEXANDER SIDORENKO♦**, **VOJISLAVA POPHRISTIC♦** received a one-year \$100,000 Keystone Innovation Starter Kit grant from the State of Pennsylvania for "Acquisition of a Structure Determination System in Support of the Development of an Instrumentation Facility at USP."

Poster Presentations

HARSH AMIN★, **NICOLAS CHEN★**, **JHENNY GALAN♦**, **ZHIWEI LIU♦**, **PRESTON MOORE♦**, **JULIAN SNOW♦**, "Drug-Lipid Interaction Studies via Fluorescence Anisotropy and Molecular Dynamics Simulations" at the American Chemical Society 41st Mid-Atlantic Regional Meeting, Wilmington, DE, April 10–13.

KRISTIN BARRETT★, JAMES MCKEE♦, MURRAY ZANGER♦

- "Investigation of Heterocyclic Sulfones as Medicinal Compounds" at the 21st Annual Saint Joseph's University Sigma Xi Student Research Symposium, April 23.
- "Investigations of Heterocyclic Sulfones as Medicinal Compounds" at the American Chemical Society 41st Mid-Atlantic Regional Meeting, Wilmington, DE, April 10–13.

JACK CARTER★, **HIMANI TYAGI♦**, **MARGARET KASSCHAU♦**, **SUZANNE K. MURPHY♦**, "Cellular Response to Over-Expression of Hsp70 and p38MAPK Under Hypertonic Stress" at the USciences Research Day and the St. Joseph's Sigma Xi Student Research Symposium, spring 2010.

NICOLAS CHEN★, **JHENNY GALAN♦**, **ZHIWEI LIU♦**, **PRESTON MOORE♦**, **JULIAN SNOW♦**, "Mechanism of Anesthetic Binding to Lipid Bilayer" at the American Chemical Society 41st Mid-Atlantic Regional Meeting, Wilmington, DE, April 10–13.

ELEONORA GIANTI★, **RANDY J. ZAUHAR♦**, P. Purushottamachar+, V. C. O. Njar+, "Targeting the Human Androgen Receptor with Steroidal CYP17 Inhibitors: A Molecular Docking Approach" at the American Chemical Society 41st Mid-Atlantic Regional Meeting, Wilmington, DE, April 10–13.

ANDREW HARRON★, **TONGWEN WANG★**, **CHARLES MCEWEN♦**, "Laserspray Ionization Using the Atmospheric Pressure Solids Analysis Probe and New Tissue Imaging Approaches" at the 58th American Society for Mass Spectrometry Conference on Mass Spectrometry and Allied Topics, Salt Lake City, UT, May 23–27.

E. AMY JANKE♦, A. T. Kozak+, "'The More Pain I Have, the More I Want to Eat': Impact of Co-morbid Pain and Obesity on Dietary Behavior and Physical Activity" at the 31st Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine, Seattle, April 7–10.

SCHOLARLY ACTIVITY

E. AMY JANKE✦, F. Weaver+, S. Lavela+, B. Spring+, "Quality of Life and Health Risk Behaviors among Normal, Overweight and Obese Adults with and without Pain-Related Activity Difficulty" at the 31st Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine, Seattle, April 7-10.

A. DeMott+, S. W. Russel+, J. Duncan+, **E. AMY JANKE**✦, B. Spring+, "Piloting an Obesity Expert System: Initiating Change by Initiating Dialogue" at the 31st Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine, Seattle, April 7-10.

K. Harris+, **E. AMY JANKE**✦, C. Joyce+, "Obesity Prevention for African-American Adolescents: Understanding Barriers & Facilitators to Adherence" at the 31st Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine, Seattle, April 7-10.

ANGELICA JOHNSON★, **VIRGINIA CONAWAY**★, **SAMANTHA SCHOELKOPF**★, **ELISABETTA FASELLA**✦, "Microwave Assisted Fischer Esterification Reactions" at the 21st Annual Saint Joseph's University Sigma Xi Student Research Symposium, April 23.

MARINA JUHEL★, **JESSICA HARAKAL**★, **VANDANA MILLER**✦, **WILLIAM LAW**✦, "Characterization of the Adenosine Receptor Profile of HL-60 Promyelocytes During Maturation" at the FASEB Experimental Biology 2010 Meeting, Anaheim, CA, April 24-28.

JAMISON LINDBERG★, **JAMES MCKEE**✦, **MURRAY ZANGER**✦, "The Synthesis of Fused Ring Sulfonanilides and Their Rearrangement to Thiophenedioxides" at the 21st Annual Saint Joseph's University Sigma Xi Student Research Symposium, April 23.

MARC LUONG★, **JHENNY GALAN**✦, **ZHIWEI LIU**✦, **CHRISTIAN TOOLEY**★, **VOJISLAVA POPHRISTIC**✦, "Computational Analysis of Aromatic Oligoamide Foldamers" at the American Chemical Society 41st Mid-Atlantic Regional Meeting, Wilmington, DE, April 10-13.

WHELTON A. MILLER★, **VINCENT S. PAGNOTTI**★, **EDWARD R. BIRNBAUM**✦, **PRESTON B. MOORE**✦, "Computational Study of the Electronic Structure and Function of a Novel Class of Cyclic Phosphazenes" at the American Chemical Society 41st Mid-Atlantic Regional Meeting, Wilmington, DE, April 10-13.

REBECCA NEWCOMER★, **JAMES MCKEE**✦, **MURRAY ZANGER**✦, "Synthesis and Novel Rearrangement of Substituted Sulfonanilides" at the 21st Annual Saint Joseph's University Sigma Xi Student Research Symposium, April 23.

KENNY NGUYEN★, **JHENNY GALAN**★, **ZHIWEI LIU**★, R. DeVane+, **PRESTON B. MOORE**✦, "Development of a Coarse-Grain Intramolecular Forcefield for Proteins" at the American Chemical Society 41st Mid-Atlantic Regional Meeting, Wilmington, DE, April 10-13.

THUY HIEN T. NGUYEN★, **ZHIWEI LIU**★, **PRESTON B. MOORE**✦, "Molecular Dynamics of Amphiphathic Peptides Embedded in a Lipid Bilayer" at the American Chemical Society 41st Mid-Atlantic Regional Meeting, Wilmington, DE, April 10-13.

VINCENT S. PAGNOTTI★, **EDWARD R. BIRNBAUM**✦, "On the Road to Controlled Phosphazene Dendrimers: Steps along the Way. Part III" at the American Chemical Society 41st Mid-Atlantic Regional Meeting, Wilmington, DE, April 10-13.

NISHA PATEL★, **JAMES MCKEE**✦, **MURRAY ZANGER**✦, "Rearrangement of Thiophenesulfonanilides to Their Corresponding Sulfones: A Novel Approach towards Synthesizing Medicinal Agents" at the 21st Annual Saint Joseph's University Sigma Xi Student Research Symposium, April 23.

DIANA SARDELIS★, **CATHERINE BENTZLEY**✦, **CHARLES MCEWEN**✦, K. Owens+, "Investigating the Sensitivity of Laserspray Ionization of an Orbitrap Exactive" at the 58th American Society for Mass Spectrometry Conference on Mass Spectrometry and Allied Topics, Salt Lake City, UT, May 23-27.

SARAH SAYLOR★, **CATHERINE BENTZLEY**✦, **ALEXANDER KACHUR**✦, "Investigation of Hazardous, Volatile Hydrocarbons in Commercial Beverages" at the 58th American Society for Mass Spectrometry Conference on Mass Spectrometry and Allied Topics, Salt Lake City, UT, May 23-27.

NICHOLAS STACHOWIAK★, **JAMES MCKEE**✦, **MURRAY ZANGER**✦, "Unexpected Products from the Piria Reaction" at the 21st Annual Saint Joseph's University Sigma Xi Student Research Symposium, April 23.

CHI NGONG TANG★, **JHENNY GALAN**✦, **ZHIWEI LIU**✦, **VOJISLAVA POPHRISTIC**✦

- "Studies of the Conformational Rigidity of Monomer Units of Arylamide Oligomers with H-Bond Acceptors Embedded in the Aromatic Ring" at the 21st Annual Saint Joseph's University Sigma Xi Student Research Symposium, April 23.

- "Studies of the Conformational Rigidity of Monomer Units of Arylamide Oligomers with H-Bond Acceptors Embedded in the Aromatic Ring" at the American Chemical Society 41st Mid-Atlantic Regional Meeting, Wilmington, DE, April 10-13.

HIMANI TYAGI✦, **JESSICA BYERLY**★, **SANIYA MERCHANT**★, **MARGARET R. KASSCHAU**✦, **SUZANNE K. MURPHY**✦, "Osmotic and Cold Stress Response of Kidney Cells Following the RNAi Mediated Knock-down of hsp70" at the USciences Research Day and the 21st Annual Saint Joseph's University Sigma Xi Student Research Symposium, spring 2010.

TONGWEN WANG★, **FRANK ZYDEL**★, **ANDREW HARRON**★, **CHARLES MCEWEN**✦, "Improving Ion Efficiency in Laserspray (LSI) and Sonic Spray Ionization (SSI) Mass Spectrometry" at the 58th American Society for Mass Spectrometry Conference on Mass Spectrometry and Allied Topics, Salt Lake City, UT, May 23-27.

MALELA WERNER★, M. Bamaj-boor+, **RANDY ZAUHAR**◆, “Using Computer-Aided Drug Design to Identify New Antimicrobial Lead Compounds” at the American Chemical Society 41st Mid-Atlantic Regional Meeting, Wilmington, DE, April 10–13.

Presentations

ELZA CHU★, **ALEXANDER SIDORENKO**◆, “Modifying Chitosan for Biomedical Purposes” at the American Chemical Society 41st Mid-Atlantic Regional Meeting, Wilmington, DE, April 10–13.

ANNE MARIE FLANAGAN◆, “After the Tower of Babel: Reassembling Mankind” at the Association for Core Texts and Courses Annual Conference, New Brunswick, NJ, April 15–18.

CHRISTINE FLANAGAN◆

- presented her short story “Return to Ithaca” at the Kelly Writers House at the University of Pennsylvania, January 25. It was broadcast on WXPB 88.5 FM, on the program *Live at the Writers House*: #80. The archived program is available online at writing.upenn.edu/~wh/involved/series/live/.

- guest writer invited to speak and discuss her short story “Departure,” Petal High School, Petal, MS, creative writing class (via Skype), March.

MADHU MAHALINGAM◆, **ELISABETTA FASELLA**◆, **ELISABETH MORLINO**◆, “An Instructional Strategy to Improve Problem Solving Skills in General Chemistry” at the 2010 Teaching Professor Conference, Cambridge, MA, May 21–23.

CHARLES MCEWEN◆, S. Trimpin+, “ESI-Like MALDI Ions; Laserspray Ionization, a Powerful New Technique for API Mass Spectrometers” at the 58th American Society for Mass Spectrometry Conference on Mass Spectrometry and Allied Topics, Salt Lake City, UT, May 23–27.

B. Larsen+, S. Trimpin+, **CHARLES MCEWEN**◆, “Laserspray Using a Commercial AP-MALDI Source for Rapid Switching Between Singly and Multiply Charged Ions” at the 58th American Society for Mass Spectrometry Conference on Mass Spectrometry and Allied Topics, Salt Lake City, UT, May 23–27.

CHARLES MCEWEN◆, H. Major+, S. Trimpin+

- “IMS/MS with Direct Ambient Ionization Methods” at the General Section, Pittsburgh Conference (Pittcon), Orlando, February 28–March 4.
- “IMS/MS with Direct Ambient Ionization Methods for Polymer and Polymer Additives Analysis” at the Ion Mobility Mass Spectrometry Section, Pittsburgh Conference (Pittcon), Orlando, February 28–March 4.

PRESTON B. MOORE◆, S. Nielsen+, R. DeVane+, “Coarse-Grained Molecular Dynamics Simulations of Fullerenes Interacting with Lipid Bilayers” at the American Chemical Society 41st Mid-Atlantic Regional Meeting, Wilmington, DE, April 10–13.

Putting Up Road Blocks to Metastasis

BY BRIAN KIRSCHNER

CATHERINE CHEN MOORE, PhD, an assistant professor of pharmacology, wants to put up road blocks to cancer cells so that they no longer have the ability to metastasize and spread themselves to other healthy tissues in the body.



CATHERINE CHEN MOORE

“Our lab is interested in the mechanism of the metastatic process because if we can figure out how and why tumor cells migrate and invade other organs then hopefully therapeutics can be designed to stop that process and prevent tumors from spreading,” Dr. Moore said. “This would have a significant impact on patient survival since metastasis is the major cause of mortality in many cancers.”

Dr. Moore’s research is focused on the G protein-coupled receptor CXCR4, which can sense chemokines that have been released from tissues and can direct cells to move toward that location. In the normal body, CXCR4 is involved with the movement of particular cell types during development and during an immune response: neuronal cells, cardiovascular cells, and a variety of immune cells.

“During development, cells need to migrate to their appropriate location in order to establish cell layers and form tissues such as the brain and heart. In a healthy individual, select cells also need to migrate to certain locations, such as to a site of injury in order to heal a wound,” Dr. Moore explained.

The problem comes into play when tumor cells start to express this particular kind of chemokine receptor. If a tumor cell expresses high levels of this receptor, it hijacks the ability to move. Emerging data indicate that this promotes metastasis.

Originally identified to be overexpressed in breast carcinoma, it’s since been shown to be expressed in more than 23 different cancers, including prostate and lung. Lung cancer has the highest mortality rate among males and females, while breast cancer metastasis is the second-leading cause of death in

SCHOLARLY ACTIVITY

GUILLERMO MOYNA♦, “Design and Synthesis of Diazabicyclic Compounds with Protozoocidal Activity: Basic Research at 60 and 90 MHz” (given in Spanish; original title: “Diseño y Síntesis de Compuestos Diazabíclicos con Actividad Protozoocida: Ciencia Básica a 60 y 90 MHz”) to the Facultad de Ciencias Químicas, Universidad Autónoma de Coahuila, Saltillo, Mexico, February 16.

VAGMITA PABUWAL★, **ZHIJUN LI**♦, “Binding Pocket Analysis of Seven Helical Transmembrane Proteins: Is Sequence Identity Alone Suitable for Modeling GPCRs as Drug Targets?” at the American Chemical Society 41st Mid-Atlantic Regional Meeting, Wilmington, DE, April 10–13.

JOSEPH W. RUANE♦ organized and chaired a panel discussion entitled “Service-Learning-Research at a Health Science University” at the Philadelphia Higher Education Network for Neighborhood Development (PHENND) Conference: “Crossing Boundaries Through Partnership,” Arcadia University, Glenside, PA, April 16. His presentation as part of the panel was “Service Learning in a Complex Organizational Theory Course.” **MICHELE RAMIREZ**♦, **E. AMY JENKE**♦, **CAROL MARITZ**♦ also made presentations as part of the panel.

ALEXANDER SIDORENKO♦, “Polymer Brushes and Supramolecular Polymer Assemblies as Chemical Reactors” at Clemson University, Clemson, SC, February 4.

RANDY ZAUHAR♦, William J. Welsh+, “Development of the Next Generation of the Shape Signatures Technique for Molecular Shape Comparison” at the American Chemical Society 41st Mid-Atlantic Regional Meeting, Wilmington, DE, April 10–13.

Professional Activity

CHRISTINE FLANAGAN♦, short story “Departure” was nominated for a Pushcart Prize, 2010.

Publications

TARLOK S. AURORA♦, “Enhancing Learning by Writing Laboratory Reports in Class,” *The Journal of Faculty Development*, 24(1):35–36, 2010.

R. Weber+, J. S. Lee+, M. Buzan+, **ANNE MARIE FLANAGAN**♦, D. Hadley+, C. Rutz+, T. Sorger+, eds., *Core Texts, Community, and Culture: Working Together in Liberal Education*, University Press of America, 2010.

CHRISTINE FLANAGAN♦

- “Departure” (short story), *The Broad River Review*, 2009.
- “The Woods” (essay), *Painted Bride Quarterly*, summer 2010.

JUN GAO♦, **ZHIJUN LI**♦, “Uncover the Conserved Property Underlying Sequence-Distant and Structure-Similar Proteins,” *Biopolymers*, 93(4):340–347, 2010.

PAUL HALPERN♦, M. LaBossiere+, “Mind Out of Time: Identity, Perception, and the Fourth Dimension in H. P. Lovecraft’s ‘The Shadow Out of Time’ and ‘The Dreams in the Witch House,’” *Extrapolation*, 50(3), winter 2009.

GINA KAISER♦, book review of *Mentors, Muses and Monsters: 30 Writers on the People Who Changed Their Lives* edited by Elizabeth Benedict in *Library Journal*, 135(2):107, January 15, 2010.

CHARLES MCEWEN♦, B. Larsen+, S. Trimpin+, “Laserspray Ionization on a Commercial Atmospheric Pressure-MALDI Mass Spectrometer Ion Source: Selecting Singly or Multiply Charged Ions,” *Analytical Chemistry*, 82(12):4998–5001, 2010.

S. Trimpin+, E. D. Inutan+, T. N. Herath+, **CHARLES MCEWEN**♦

- “Laserspray Ionization—A New Atmospheric Pressure MALDI Method for Producing Highly Charged Gas-Phase Ions of Peptides and Proteins Directly from Solid Solutions,” *Molecular & Cellular Proteomics*, 9(2):362–367, 2010.
- “Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Method for Selectively Producing Either Singly or Multiply Charged Molecular Ions,” *Analytical Chemistry*, 82(1):11–15, 2010.

R. DeVane+, M. L. Klein+, C. C. Chiu+, S. Nielsen+, W. Shinoda+, **PRESTON B. MOORE**♦, “Coarse-Grained Potential Models for Phenyl-Based Molecules: I. Parametrization Using Experimental Data,” *The Journal of Physical Chemistry B*, 114(19):6386–6393, 2010.

C. C. Chiu+, R. DeVane+, M. L. Klein+, W. Shinoda+, **PRESTON B. MOORE**♦, S. Nielsen+, “Coarse-Grained Potential Models for Phenyl-Based Molecules: II. Application to Fullerenes,” *The Journal of Physical Chemistry B*, 114(19):6394–6400, 2010.

C. Fontana+, M. Incerti+, **GUILLERMO MOYNA**♦, E. Manta+, “Insights into the Stereoselective BF_3 -Catalyzed Hetero Diels-Alder Reaction of Garner’s Aldehyde with Danishefsky’s Diene,” *Tetrahedron: Asymmetry*, 21(4):398–404, 2010.

S. Biswas+, **CHARALAMPOS PAPACHRISTOU**♦, “Accounting for Disease Model Uncertainty in Mapping Heterogeneous Traits—A Bayesian Model Averaging Approach,” *Human Heredity*, 69(4):242–253, April 2010.

C. C. Chiu+, R. Ranatunga+, D. T. Flores+, **D. VLADIMIR PEREZ**★, **PRESTON B. MOORE**♦, W. Shinoda+, S. Nielsen+, “A Mean Field Approach for Computing Solid-Liquid Surface Tension for Nanoscale Interfaces,” *The Journal of Chemical Physics*, 132(5), 2010.

CATHERINE B. PURZYCKI♦, D. H. Shain+, “Fungal Toxins and Multiple Sclerosis: A Compelling Connection” (review), *Brain Research Bulletin*, 82(1–2):4–6, April 29, 2010.

BRIAN RASZKA*, **JAMES MCKEE**♦, **MURRAY ZANGER**♦, “Rearrangement of Indolinesulfonamides to Sulfones Using Polyphosphoric Acid (PPA),” *Synthetic Communications*, 40(12):1837–1846, 2010.

JOSEPH W. RUANE♦, “Living and Working in an Increasingly Complex Society,” *Sociological Viewpoints*, 26(Special 25th Anniversary Edition):27–30, spring 2010.

P. Kim+, L. D. Zarzar+, X. H. Zhao+, **ALEXANDER SIDORENKO**♦, J. Aizenberg+, “Microbristle in Gels: Toward All-Polymer Reconfigurable Hybrid Surfaces,” *Soft Matter*, 6(4):750–755, 2010.

LIA VAS♦, **CHARALAMPOS PAPACHRISTOU**♦, “A Note on (α, β) -Higher Derivations and Their Extensions to Modules of Quotients,” *Ring and Module Theory*, Trends in Mathematics, (Proceedings of the International Conference on Ring and Module Theory, Ankara, Turkey, August 2008), Birkhäuser Verlag Basel, Switzerland, pp. 165–174, 2010.

PHILADELPHIA COLLEGE OF PHARMACY

Grant

SHANAZ TEJANI-BUTT♦

received a three-year \$213,750 from the National Institute of Mental Health for “Rodent Model of PTSD-Like Conditions—Role of Noradrenergic System.”

Poster Presentations

MICHAEL J. CAWLEY♦,

R. Pacitti+, T. Birardi+, W. Warning+, “Pharmacist Driven Spirometry Clinic and Implementation” at the Pennsylvania Academy of Family Physicians Foundation Meeting, King of Prussia, PA, March.

MARK J. CZIRAKY♦*, H. Tan+, M. F. Bullano+, J. Yu+, R. Schiebinger+, **VINCENT J. WILLEY♦***, “Impact of Optimal Lipid Value Achievement Between 2005 and 2009 in Patients with Mixed Dyslipidemia on Cardiovascular Events in a Commercially Insured Population” at the American Heart Association Quality of Care and Outcomes Research in Cardiovascular Disease and Stroke Conference 2010, Washington, DC, May 19–21.

JAMIE DASILVA★, YANLIN

LEI♦, B. Laitman+, G. Mann+, R. Ross+, **SHANAZ TEJANI-BUTT♦**, A. Morrison+, “Social Buffering Influences REM Sleep in Fear-Conditioned Wistar-Kyoto Rats” at the Society for Neuroscience 39th Annual Meeting, Chicago, October 17–21, 2009.

JAMIE DASILVA★, V. Madan+, **YANLIN LEI♦**, B. Laitman+, G. Mann+, P. Gehrman+, **SHANAZ TEJANI-BUTT♦**, R. Ross+, A. Morrison+, “Fear-Conditioned Alterations in REM Phasic Activity Measured by Muscle Twitches in Stress-Sensitive Wistar-Kyoto (WKY) versus Wistar (WIS) Rats” at the SLEEP 2009 23rd Annual

Meeting of the Associated Professional Sleep Societies, Seattle, June 6–11, 2009.

B. Laitman+, **JAMIE DASILVA★**, V. Fenik+, **SHANAZ TEJANI-BUTT♦**, R. Ross+, A. Morrison+, “Power Spectral Analysis Suggests Decreased Activity in the Gamma Range (30–50 Hz) Underlies Rapid Eye Movement Sleep Fragmentation in Wistar-Kyoto Rats” at the Society for Neuroscience 39th Annual Meeting, Chicago, October 17–21, 2009.

B. Laitman+, **JAMIE DASILVA★**, **SHANAZ TEJANI-BUTT♦**, R. Ross+, A. Morrison+, “REM Heart Rate Changes in Wistar-Kyoto (WKY) versus Wistar (WIS) Rats Suggest Norepinephrine (NE) Surges as a Possible Cause of REM Fragmentation” at the SLEEP 2009 23rd Annual Meeting of the Associated Professional Sleep Societies, Seattle, June 6–11, 2009.

J. Scholl+, **JAMIE DASILVA★**, K. Renner+, G. Forster+, **SHANAZ TEJANI-BUTT♦**, “Central Monoamine Levels in the Wistar-Kyoto Rat as Compared to Wistar and Sprague-Dawley Strains: A Proposed Model of Depressive Behavior” at the Society for Neuroscience 39th Annual Meeting, Chicago, October 17–21, 2009.

JACQUELINE FREED★, **CATHERINE C. MOORE♦**, “ARF6 regulates CXCR4-Mediated Migration and Invasion of Metastatic Cancer Cells” at the FASEB Summer Research Conference: ARF Family G Proteins, Carefree AZ, August 15–20.

EMILY INZERILLO★, E. Husain+, **JAMIE DASILVA★**, F. Lee+, G. Mann+, A. Morrison+, **SHANAZ TEJANI-BUTT♦**, “Effects of Social Interaction on Grooming Behavior in Fear Conditioned Wistar-Kyoto Rats Partnered with Naive Wistar or Wistar Kyoto Rats” at the USciences Research Day, April 8, 2010.

Continued from page 27

female patients with cancer, and prostate cancer metastasis the second-leading cause in male patients with cancer.

Dr. Moore is a member of the Department of Pharmaceutical Sciences, which is developing strength in cancer research through a number of investigators. Her lab has identified a novel signaling pathway that regulates this receptor and involves the ARF family of proteins.

“Technically, the ARF proteins are monomeric G proteins. Nontechnically, they are referred to as molecular switches. They cycle between an on/off state and either let signals go through or not,” she said. “If you inhibit the ARF switch, then you can reduce the amount of CXCR4 receptor that is on the surface of cells. Also, if you inhibit the ARF switch, you can reduce the signaling capacity of this receptor, and the migratory capacity imparted by this receptor. In other words, you block the receptor from functioning. This would be good in tumor cells.”

This is where Dr. Moore, who was selected to receive an American Association of Colleges of Pharmacy New Investigator Program funding, hopes to stop the flow of traffic by putting up a red light to tumor cells, while at the same time allowing the right cells to go by.

Recent poster presentations by Dr. Moore’s lab at a Gordon Research Conference, a G Protein Signaling Workshop, and a FASEB Summer Research Conference presented by her graduate students **JACQUELINE FREED PhD’12** and **ANASTASIA JANCINA PhD’13** as first authors*, demonstrated the potential for ARF regulation of CXCR4. By “knocking down” the switch, they showed you can disrupt CXCR4’s trafficking, signaling, and migratory abilities.

Dr. Moore, who has been at the University for a little over two years, is in the process of competing for additional grants to support her hypotheses. In cancer research, there is significant interest in establishing the ARF pathway as a viable therapeutic target. Dr. Moore’s slant is to decipher if disruption of this pathway would be beneficial in aggressive cancers that aberrantly express chemokine receptors.

* **JACQUELINE FREED** and **CATHERINE C. MOORE**, “ARF6 Regulates CXCR4, a Critical Player During Cancer Metastasis” at the Gordon Research Conference: Phosphorylation & G-Protein Mediated Signaling Networks, Biddeford ME, June 6–11, 2009.

ANASTASIA JANCINA and **CATHERINE C. MOORE**, “ARF6 Modulates the Phosphorylation of CXCR4, a Critical Player During Cancer Metastasis” at the 9th Biennial Northeast G-Protein Signaling Workshop, Thomas Jefferson University, Philadelphia PA, June 22, 2010.

SCHOLARLY ACTIVITY

YANLIN LEI♦, M. Watt+, G. Forster+, **SHANAZ TEJANI-BUTT**♦, "Adolescent Social Defeat Alters [³H]-MK-801 Binding to NMDA Receptors in Adult Rat Brain" at the Society for Neuroscience 39th Annual Meeting, Chicago, October 17–21, 2009.

YANLIN LEI♦, **SHANAZ TEJANI-BUTT**♦, "Nisoxetine and Fluoxetine Increase Central N-Methyl-D-Aspartate Receptors in the Wistar-Kyoto Rat" at the Society for Neuroscience 39th Annual Meeting, Chicago, October 17–21, 2009.

LAURA A. MANDOS♦, **LAURA A. FINN**♦*, **LINDSAY PALKOVIC**♦, **CRAIG B. WHITMAN**♦, **MICHAEL J. CAWLEY**♦, "Familiarity with Calculations Improves Patient Survival Rates During Advanced Cardiac Life Support Simulations" at the 2010 Teaching Professor Conference, Cambridge, MA, May 21–23.

VINCENT J. WILLEY♦*, **ANDREW PETERSON**♦, **MAYANK AJMERA***, **AMRUTA MANKE***, **ROSE PLUMMER***, E. Cascade+, **WILLIAM MCGHAN**♦, "Health Beliefs and Their Impact on Medication Adherence in Patients with Coexisting Diabetes, Dyslipidemia, and Hypertension" at the International Society for Pharmacoeconomics & Outcomes Research (ISPOR) 15th Annual International Meeting, Atlanta, May 15–19.

H. Tan+, J. Yu+, M. F. Bullano+, **VINCENT J. WILLEY**♦*, **MARK J. CZIRAKY**♦*, "An Assessment of Optimal Lipid Value Attainment and Associated Dyslipidemia Treatment Patterns from 2005 to 2009 in a Commercially Insured Population" at the International Society for Pharmacoeconomics & Outcomes Research (ISPOR) 15th Annual International Meeting, Atlanta, May 15–19.

Presentations

PHYLLIS BLUMBERG♦, **LAURA A. MANDOS**♦, **ALISON M. MOSTROM**♦, "Paths to Scholarship of Teaching and Learning" at the 2010 Teaching Professor Conference, Cambridge, MA, May 21–23.

MICHAEL J. CAWLEY♦

- "Improving Hyponatremia Outcomes in the Hospital Setting" in the Pharmacy Learning Network CME Series (0.1 CEU), New York and Dallas, May.
- "Challenges Presented by Staphylococcus aureus in Bacteremia and Complicated Skin Infections" for the Greater Reading Chapter of the American Association of Critical-Care Nurses, Reading, PA, May.
- "Challenges Presented by Staphylococcus aureus in Bacteremia and Complicated Skin Infections" for the physician and medical staff, Radnor, PA, April.
- "Over the Counter Analgesic Toxicity: Exploring the FDA's Safe Use Initiative" for the physician and medical staff, Bergen Regional Medical Center, Paramus, NJ, April.
- "Over the Counter Analgesic Toxicity: Exploring the FDA's Safe Use Initiative" for the physician and medical staff (0.1 CEU), Shamokin Area Community Hospital, Coal Township, PA, April.
- "Treatment of MRSA Infections: An Outpatient Perspective" for regional hospital discharge planners, Vineland, NJ, March.
- "Treatment of MRSA Infections: An Outpatient Perspective" for the Capital Regions Infusion Nurses Society, Tysons Corner, VA, March.

- "Don't Stop the Flow: Respiratory Administration of Medications; What Drug, What Delivery Device? Long- vs Short-Acting Beta-Agonists via MDIs or NEBs" at the 39th Critical Care Congress Meeting of the Society of Critical Care Medicine, Miami Beach, January 9–13.
- "Optimizing Clinical and Economic Outcomes with Cubicin" for the pharmacists and nursing staff, HomeSolutions, Fairfax, VA, January.

SARAH SPINLER♦

- "Acute Coronary Syndrome: New Treatment Options" at the American Pharmacists Association Annual Meeting and Exposition, Washington, DC, March 14.
- "Update in New Antiplatelet Therapy for ACS and PCI" at the Maryland Society of Health-System Pharmacists Spring Bi-Annual Seminar, Linthicum, MD, March 27.

Publications

YANLIN LEI♦, **SHANAZ TEJANI-BUTT**♦, "N-methyl-D-Aspartic Acid Receptors Are Altered by Stress and Alcohol in Wistar-Kyoto Rat Brain," *Neuroscience*, 169(1):125–131, 2010.

YANLIN LEI♦, **IRENE YAROSLAVSKY***, **SHANAZ TEJANI-BUTT**♦, "Strain Differences in the Distribution of N-Methyl-D-Aspartate and Gamma amino-butyric acid-A Receptors in Rat Brain," *Life Sciences*, 85:794–799, 2009.

F. W. Lohoff+, B. Etemad+, **LAURA A. MANDOS**♦, R. Gallop+, K. Rickels+, "Ziprasidone Treatment of Refractory Generalized Anxiety Disorder: A Placebo-Controlled, Double-Blind Study," *Journal of Clinical Psychopharmacology*, 30(2):185–189, 2010.

JENNIFER A. REINHOLD*, C. A. Sanoski+, A. M. Russo+, J. M. Cooper+, **SARAH SPINLER**♦, "Torsades de Pointes Associated with Methadone and Voriconazole," *BMJ Case Reports* 2009, doi:10.1136/bcr.07.2009.2119.

SARAH SPINLER♦, "Evolution of Antithrombotic Therapy Used In Acute Coronary Syndromes," chapter in *Pharmacotherapy Self-Assessment Program, Book 1: Cardiology*, seventh edition, M. M. Richardson, K. H. Chessman, C. Chant, J. W. M. Cheng, B. A. Hemstreet, A. L. Hume, L. C. Hutchison, E. L. Karpiuk, M. McCollum, M. Segarra-Newnham, J. T. Sherer, eds., American College of Clinical Pharmacy, pp. 97–124, 2010.

SARAH SPINLER♦, S. de Denus+, "Acute Coronary Syndromes," chapter 8 in *Pharmacotherapy Principles and Practice*, second edition, M. Chisholm-Burns, T. L. Schwinghammer, B. G. Wells, P. M. Malone, J. M. Kolesar, J. T. DiPiro, eds., McGraw-Hill, pp. 131–155, 2010.

F. Silvestry+, **SARAH SPINLER**♦, "Valvular and Pericardial Heart Disease," chapter 27 in *Drug-Induced Diseases: Prevention, Detection, and Management*, second edition, J. E. Tisdale, D. A. Miller, eds., American Society of Health-Systems Pharmacists, pp. 554–567, 2010.

A. D. Michaels+, **SARAH SPINLER**♦, B. Leeper+, E. M. Ohman+, K. P. Alexander+, L. K. Newby+, H. Ay+, W. B. Gibler+ (on behalf of the American Heart Association Acute Cardiac Care Committee of the Council on Clinical Cardiology, Council on Quality of Care and Outcomes Research; Council on Cardiopulmonary, Critical Care, Perioperative, and Resuscitation; Council on Cardiovascular Nursing; and Stroke Council), "Medication Errors in Acute Cardiovascular and Stroke Patients: A Scientific Statement from the American Heart Association," *Circulation*, 121:1664–1682, 2010.

B. M. Donato+, L. Burns+, **VINCENT J. WILLEY**♦*, M. Cohenuram+, S. Oliveria+, M. U. Yood+, "Treatment Patterns in Patients with Advanced Breast Cancer Who Were Exposed to Ananthracycline, a Taxane, and Capecitabine: A Descriptive Report," *Clinical Therapeutics*, 32(3):546–554, 2010.

IRENE YAROSLAVSKY★, **SHANAZ TEJANI-BUTT**♦, "Voluntary Alcohol Consumption Alters Stress-Induced Changes in Dopamine-2 Receptor Binding in Wistar-Kyoto Rat Brain," *Pharmacology, Biochemistry and Behavior*, 94(3):471–476, 2010.

SAMSON COLLEGE OF HEALTH SCIENCES

Grant

THERESE E. JOHNSTON♦, R. T. Lauer+, R. Marino+, M. Schmidt+, C. Modlesky+ received a two-year \$250,000 grant from The Craig H. Neilsen Foundation for "The Effects of Two Functional Electrical Stimulation Cycling Paradigms."

Poster Presentation

K. Watson+, **THERESE E. JOHNSTON**♦, R. Betz+, "A Home Based Treadmill Training Program for a Child with Cerebral Palsy: A Case Study" at the American Physical Therapy Association Combined Sections Meeting, San Diego, February 17–20, 2010.

Presentations

D. Backus+, J. Brach+, **THERESE E. JOHNSTON**♦, S. Lee+, S. A. Sisto+, "The Road Less (or More) Traveled: The Many Paths to Success in a Research Career" at the American Physical Therapy Association Combined Sections Meeting, San Diego, February 17–20, 2010.

THERESE E. JOHNSTON♦, K. Watson+, J. Engsborg+, S. Ross+, P. Gates+, C. Tucker+, R. Betz+, "Gait Changes Following a Supported Speed Treadmill Training Exercise Program (SSTTEP) for Marginally Ambulatory Children with Cerebral Palsy" at the American Physical Therapy Association Combined Sections Meeting, San Diego, February 17–20, 2010.

Professional Activity

THERESE E. JOHNSTON♦ participated in an R13 grant planning meeting with experts in cerebral palsy and FES from around the world, April 23–25, 2010. The meeting was a result of an R13 grant obtained by Jessica Rose, at Stanford School of Medicine, to plan for a larger multicenter clinical trial for "Applications of Artificial Walking for FES-Assisted Gait in Cerebral Palsy." Johnston was one of the two people at the meeting with the most experience with FES for children with cerebral palsy.

Publications

ROGER I. IDEISHI♦, S. K. Ideishi+, **ORIAN O. ZIDOW**★, "Ecological Perspectives for Pre-school Inclusion and Community Participation," chapter in *Living Life to the Fullest: Stories of Occupational Therapy*, A. Hoffman, M. Strzelecki, eds., AOTA Press, 2010.

ROGER I. IDEISHI♦, **CHARLENE WILLOCK**★, **KUMA THACH**★, "Participation of Children with Special Needs at the Aquarium," *Developmental Disabilities Special Interest Section Quarterly*, 33(2):1–4, 2010.

ROGER I. IDEISHI♦, M. E. O'Neil+, L. A. Chiarello+, **KIM A. NIXON-CAVE**♦, "Perspectives of Therapist's Role in Care Coordination between Medical and Early Intervention Services," *Physical & Occupational Therapy in Pediatrics*, 30(1):28–42, 2010.

PAULA KRAMER♦, J. Hinojosa+, *Frames of Reference for Pediatric Occupational Therapy*, 3rd ed., Lippincott, Williams & Wilkins, 2010.

J. Hinojosa+, **PAULA KRAMER**♦, P. Crist+, eds., *Evaluation: Obtaining and Interpreting Data*, 3rd ed., AOTA Press, 2009.

THE WRITING CENTER

Presentations

MIRIAM DIAZ-GILBERT♦

- "Empowering Peer Tutors to Operate an Efficient Writing Center and to Facilitate Effective Writing Assistance Services" at the 21st Mid-Atlantic Writing Centers Association (MAWCA) Conference, University of Delaware, Newark, DE, April 10.
- "Using ANGEL to Get Students Follow 'Paperless' Directions and Manage a First-Year Writing Course" at the Lilly Conference on University and College Teaching, College Park, MD, June 4.

SEAN SWISHER★, **LENNY VINCIGUERRA**★, **ALLISION CONTE**★, **LAUREN JULIAN**★, **JARED WASSERMAN**★, "What Happens in the Writing Center Does Not Stay in the Writing Center: The Impact of Writing Centers on Peer Tutors" at the 21st Mid-Atlantic Writing Centers Association (MAWCA) Conference, University of Delaware, Newark, DE, April 10.

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

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Reunion celebrants gather to mingle and reconnect with classmates and fellow alumni at the All Classes Reception on September 25 in the atrium of the McNeil Science and Technology Center.

IN OUR NEXT ISSUE...

- Celebrating 190 Years
- Reunion Recap
- Catching Up with Peter Mark Richman

DEGREE/PROGRAM ABBREVIATIONS

BAC	Bacteriology	MT	Medical Technology
BC	Biochemistry	OrgC	Organic Chemistry
BI	Biology	P	Bachelor of Science in Pharmacy
Blnf	Bioinformatics	PA	Physician Assistant
BW	Biomedical Writing	PAd	Pharmacy Administration
C	Chemistry	PharmD	Doctor of Pharmacy
CB	Cell Biology	PhC	Pharmaceutical Chemistry
CS	Computer Science	PhCog	Pharmacognosy
DPT	Doctor of Physical Therapy	PhD	Doctor of Philosophy
ES	Environmental Science	PhG	Graduate in Pharmacy (equivalent to P that is used today)
HonAlm	Honorary Alumnus/a	PhSci	Pharmaceutical Sciences
HonDSc	Honorary Degree (Science)	PhTech	Pharmaceutical Technology
HPsy	Health Psychology	PH/TX	Pharmacology and Toxicology
HS	Health Science	PMM	Pharmaceutical Marketing and Management
HumSci	Humanities and Science	Psy	Psychology
IndP	Industrial Pharmacy	STC	Certificate in Science Teaching
MB	Microbiology	TX	Toxicology
MBA	Master of Business Administration		
MedC	Medicinal Chemistry		
MOT	Master of Occupational Therapy		
MPT	Master of Physical Therapy		
MS	Master of Science		

Many Ways to Give

“Anne and I don’t give because the university asks us to but because we feel it is the right thing to do.”

DOMINIC A. MARASCO P’96

DOMINIC A. P’96 and ANNE MARIE MARASCO P’95 are no different from many alumni: they met at college, got married, and started a family.

“The university has been the cornerstone to what we feel are very fulfilling and successful personal and professional lives,” said Anne Marie.

Over time, the Marascos have found ways in which they and other alumni can give back to the University: cash contributions, stocks, insurance and, equally important, time.

“Anne and I don’t give because the university asks us to but because we feel it is the right thing to do,” said Nick, who also serves on the board of trustees. “In tough economic times, more than ever, universities and colleges are heavily dependent on alumni contributions to support their student body.”

The Marascos have recently announced they will be establishing a scholarship at the University.

To make a gift or explore giving options, contact:
Ann V. Satterthwaite
Vice President
Institutional Advancement
215.596.8948
a.satter@usp.edu



CALENDAR OF EVENTS (all events take place on the University campus unless otherwise noted)

October

Thursday, October 28

First-Year Science and
Health Fair

Saturday, October 30

Fall Open House for
Undergraduate Majors

November

Friday, November 5

Alumni Reception, New
Jersey Pharmacists Asso-
ciation, Atlantic City, NJ

Monday, November 8

Bernard J. Malis Lecture
Featuring Michael
Gloth, MD

Monday, November 15

Alumni Breakfast,
American Association of
Pharmaceutical Scientists
Annual Meeting & Exposi-
tion, New Orleans, LA

December

Thursday, December 2

Alumni Association Board
of Directors Meeting

Saturday, December 4

Athletics Hall of Fame
Inductions

Monday, December 6

Alumni Reception,
American Society
of Health-System
Pharmacists,
Anaheim, CA

Founders' Day

**Thursday,
February 17, 2011**

Celebrating
the University's
190th Anniversary!

