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FROM THE PRESIDENT

In May, the University will observe its 189th commencement exercise, sending nearly 600 graduates into the world to serve the needs of society. Our exponential growth in those 189 years has led to a vibrant, five-college University focused on the pillars of teaching, research, and service in our specialized niches of pharmacy, healthcare, and science.

Through it all, we have enabled students to transform their love of science into a meaningful future in vital healthcare fields. And while we move in unison to fulfill the strategic initiatives outlined under Legacy, Vision, and Value, we are buffeted by numerous external forces in higher education. Some of these challenges include:

- growth of for-profit colleges and the expansion of public institutions,
- allure of liberal arts schools to focus on science,
- struggle for dollars aimed at scholarships and research, and
- competition for the best student and faculty talent.

In order to best take on and meet these challenges, our five deans were asked to articulate their vision for their respective college. It became clear in reviewing these vision statements that each college strives to be recognized for its expertise and scholarly activities, to develop students into responsible citizens, and to seize opportunities to advance its role beyond Philadelphia and onto the national and global arenas.

We are fortunate that our Philadelphia College of Pharmacy has an established presence fostered since its founding in 1821. While Misher College of Arts and Sciences celebrates its 25th anniversary this year, it, Mayes College of Healthcare Business and Policy, Samson College of Health Sciences, and College of Graduate Studies are comparative newcomers. However, one thing is certain, all our colleges are full of aspirations and the desire for growth, and each comprises some of the most talented faculty and students.

It is important that the University works together with the colleges to fulfill their visions. As such, we must ensure relevancy as an institution and educate our students for the careers of tomorrow as well as today. We have to listen to and embrace the market forces that shape the job landscape.

To make sure we do just that, we are establishing a board of visitors for each college. These carefully selected boards, which, most importantly, are external to the academic environment, will visit each of our colleges and act in an advisory role. In this way, we can ensure that each college can find its place and its own distinction.

University of the Sciences is committed to supporting the growth and development of the colleges under our umbrella. Their success is our success and to be shared by the community here and at large.

Sincerely,

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

The mission of University of the Sciences in Philadelphia 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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You needn’t delve into our mission statement to know we’re a university committed to educating scientists—it’s right in our name: University of the Sciences. But 25 years ago several visionaries recognized that, for our students to truly be world and industry leaders, they needed a broader education.

“What is an educated person?” asked ALLEN MISHER P’59, PhD, HonDSc’95, who in 1984 became president of what was then Philadelphia College of Pharmacy and Science (PCPS).

“What do students need to succeed both professionally and in life? What should students, rightfully, expect from their college education? They should expect to graduate with a solid foundation in the humanities as well as the superb professional training for which we are renowned.” To ensure the school’s graduates were well-rounded individuals, Dr. Misher appointed CHARLES GIBLEY, PhD, as the first dean of arts and sciences in 1984 to broaden the education at PCPS.

The creation of what became the college named in honor of Dr. Misher meant enlisting the cooperation of all faculty members, retooling every major to create room for the expanded

“"What should students, rightfully, expect from their college education? They should expect to graduate with a solid foundation in the humanities as well as the superb professional training for which we are renowned."

FORMER PRESIDENT ALLEN MISHER P’59, PhD, HonDSc’95
Misher College of Arts and Sciences Timeline

1984
Dr. Allen Misher ‘59, PhD, HonDSc’95, named president of PCPS. On July 1, a major restructuring of the administration takes place resulting in the creation of the School of Arts and Sciences. On August 27, Dr. Charles W. Gibley is appointed dean of the new school.

1994
Dr. Misher retires as president of PCPS on December 31.

1995
Philip P. Gerbino ‘69, PharmD’70 is elected the 20th president by the board of trustees on February 2. Dr. Misher is honored with the creation of the Misher Visiting Professorship in the Humanities.

1998
On July 1, PCPS officially changes its name to University of the Sciences in Philadelphia and among the University’s four colleges is the new College of Arts and Sciences under Dean Gibley.

2000
On October 25, the College of Arts and Sciences is renamed Misher College of Arts and Sciences in honor of Allen Misher. United States Poet Laureate Robert Pinsky is the first Misher Visiting Professor in the Humanities.

2001
Dr. Gibley retires as dean and Dr. Margaret Kaschau steps in as interim dean.

2002
Dr. Reynold Verret is appointed dean of Misher College that summer.

2006
McNeil Science and Technology Center is dedicated on September 14. It is home to the departments of biological sciences; bioinformatics and computer science; and mathematics, physics, and statistics.

2007
Dr. Suzanne Murphy is named interim dean of Misher College in August following Dr. Verret’s acceptance of a provost position at another university...

2009
...and Dr. Murphy’s is officially named dean in May.

Today
Misher College is home to 12 majors, 23 minors, and five programs in eight departments.

A plaque honoring the leadership of the Misher College of Arts and Sciences will be displayed in the music room. From left to right: former Dean Dr. Reynold Verret, former President Dr. Allen Misher, ‘59, former Dean Dr. Charles W. Gibley, current Dean Dr. Suzanne Murphy, and Provost Dr. Russell J. DiGate.

“I personally wish every student would consider themselves a Misher student for the first two years of their studies at University of Sciences.”

SUZANNE MURPHY, PhD, DEAN, Misher College of Arts and Sciences

People don’t always realize the strength of the Misher programs. We have renowned scholars in every discipline and a low student-faculty ratio of 10:1, with some of the smaller programs as low as 4:1,” Dr. Murphy said.

“I personally wish every student would consider themselves a Misher student for the first two years of their studies at University of Sciences,” she added, “Because the overwhelming majority of the coursework offered in the first two years is through Misher College, it’s where their broad education begins.”

More women than ever are pursuing and obtaining degrees in the sciences at the undergraduate and graduate levels. According to a study conducted by the National Center for Education Statistics, women earned more bachelor’s degrees than men in several science-related fields between 2006 and 2007. Health professions and related clinical sciences topped the list, with nearly 86 percent of all degrees in the area awarded to women. In areas where women are still the minority, like the physical sciences and technologies, 18 percent more degrees were awarded to women in 2007 than in 1997.

While the national trend has seen an increase of women in the sciences, University of the Sciences began this ascension a long time ago when SUSAN HAYHURST P’1883 became the first woman to graduate from Philadelphia College of Pharmacy. The trend toward more women in the lab and in the sciences has continued to ring loud and true at the University for some time. Today, women account for 60 percent of the University’s student body. Despite the challenges of working in traditionally male-dominated fields, female students at the University are thriving. A strong mentoring relationship fostered by caring faculty only enhances their success.

“Our faculty members are dedicated to mentoring emerging women scientists in and out of the classroom.”

SUZANNE MURPHY, PhD, Dean of Misher College of Arts and Sciences

FIVE FEMALE STUDENTS WHO ARE PART OF THE NEXT GENERATION:

KALEIGH SCHOTT Phy’11
Drums, PA

When the University launched its new physics program this year, KALEIGH SCHOTT found the right fit for her. After two years, she made the switch from biology to physics.

“I knew that being a physics major was the right fit for me when I realized that I am the type of person who likes to understand how things work and why things are the way they are,” Schott said. “Physics is a broad subject that allows people to come to a greater understanding of the world around them, and that’s what I love about it.”

Schott is looking to apply her degree in an area of cosmology. She is currently studying the subject of chaos and complexity to prepare for a research job at the University of the Sciences. She also tutors second-year Intro to Physics students.

“A degree in the sciences is not easy and takes a certain amount of dedication, but I knew that I was up for it because science is what I am good at, and I want to use it to make a difference and help people,” she said.
From support to expert guidance, mentors provide a deep rooted foundation for students to thrive. In a complex research field such as pharmacology and toxicology, MARLENA MARTIN is happy to have the support of her mentor.

“It is beneficial to have a faculty member’s guidance, especially with a research-oriented major,” Martin explained. “Dr. ADEBOYE ADEJARE has encouraged me to build upon my strengths and to expand in all possible directions. I am constantly reminded to strive for excellence.”

Martin knew pharm-tox was the right major for her when she realized how many people are affected negatively by medication. “I hope to develop alternative forms of medicine that significantly reduce adverse side effects,” she said. “I believe that medication should improve one’s health, not jeopardize it. I also hope to develop and enhance safety regulations.”

Martin recently completed a cancer treatment research project that studied in-vitro anticancer properties of radiosensitizing agents. She presented the data at the annual Mid-Atlantic Pharmacology Society meeting in 2009.

As a child, SARAH SAYLOR always seemed to end up with “art stuff” under the Christmas tree, while her sister got the science kits. “I always had more fun with her gifts, and sometimes we switched. My favorite kit was the chemistry one that had pH strips and other chemicals that show reactions occurring,” she said.

That early love set her on a path to the sciences. Saylor attended the Academy of Health and Science where she relished her science classes most. She is the first in her family to get a bachelor of science degree.

Now she “plays” with a real chemistry set, pursuing her PhD thesis, “Investigation of Hazardous, Volatile Hydrocarbons in Commercial Beverages.” “In my research, I am investigating the reaction mechanism between ascorbic acid and benzoic acid in the presence of a transition metal to form benzene,” Saylor explained. “I am trying to detect other volatile hydrocarbons, such as toluene and chloroform, in beverages.”

After graduation, Saylor hopes to utilize her skills to get a federal government job in the FDA or EPA, or even as head of a laboratory.
For MARLENE KIM, it was two science teachers at Pennsauken High School who launched her down a path toward the sciences: “They were very encouraging and motivational.

“I’ve always loved science. I pondered about the universe even when I was in elementary school. My father is very supportive, and I have had great science teachers who were very encouraging,” Kim said.

Kim graduated in 2009 with BS in biochemistry. A first-generation Cambodian college student, she is pursuing a teaching certification from the University.

“During my undergrad, I was hired as a teaching assistant for chemistry. I remember my first day on the job. I immediately fell in love,” Kim recalled. “I enjoyed working with the students and helping them succeed. It was the first time in my life I was truly able to say, ‘I love my job!’ I immediately enrolled into the teacher certification program.”

A recipient of the Lena DeLisser Matthews Prize for her contributions as a teaching assistant in the chemistry laboratories, she has plans to pursue a PhD.

“I’ve always loved science. I pondered about the universe even when I was in elementary school.”

MARLENE KIM BC’09

For SONALI PATEL, the power of helping others struck a personal note with SONALI PATEL when she watched her grandmother improve from a debilitating stroke with the help of physical and speech therapists.

“In a matter of only two months, I saw my grandmother come such a long way. It brought tears to my mother’s face when she was able to communicate with her mother-in-law again and to walk her out of the nursing home.”

Patel has had to fend off suggestions that she is limited in her career path. She ignores them.

“Some people have told me that I can be a physical therapist, but I should not consider certain specialties such as sports medicine because I would not be strong enough to move male athletes,” she said. “Women can handle anything men can, if not more.”

Originally, Patel expressed interest in biomedical engineering.

“When I sat down to write college essays, I realized all those questions I had about the physical therapy profession were from my personal interest in working in rehab.”

SONALI P. PATEL DPT’12

The power of helping others struck a personal note with SONALI PATEL when she watched her grandmother improve from a debilitating stroke with the help of physical and speech therapists.

“I also realized that no matter how much I loved engineering, I would rather work hands-on with patients on a daily basis.”

SONALI P. PATEL DPT’12

East Hanover, NJ
PCP on the Parkway? Almost.

By Dan Flanagan

At the annual meeting of the Philadelphia College of Pharmacy on March 11, 1911, President HOWARD B. FRENCH described the school's existing conditions: "Laboratories are now over crowded... demands of the classes are now so great that it seems necessary that increased accommodations be secured in the near future. The College location was originally a residential section, but with the lapse of years, it is now surrounded by manufacturing establishments... your President has for three years past been endeavoring to secure from the City of Philadelphia a site for a new building, and it is hoped that in the near future this may be secured."

Within a few days Mayor John E. Reyburn informed the press that a PCP alumnus offered $1 million toward the construction of three buildings on the new Parkway, the new cultural boulevard envisioned as the "Champs Elysees of America."

French graduated from PCP in 1870 and rose to prominence overseeing the 1892 construction of PCP's landmark six-story building near the NE corner of Tenth and Cherry streets. Unfortunately, the neighborhood deteriorated into a gritty manufacturing sector and Tenderloin district. Marginal entertainment venues proliferated nearby, alongside hotels involved in prostitution and drug-trafficking. For President French and the other college officials, the city couldn't build the Parkway fast enough.

Plans for a New Home

After years of stalling, Parkway development accelerated rapidly under Mayor Thomas Smith (1916–1920). Among the last obstructions blocking the Parkway stood the Medico-Chirurgical College. A medical university in all but name, Medico-Chi's departments included medicine, dentistry, pharmacy, and pharmaceutical chemistry. With nowhere else to go, the pharmacy department merged with PCP.

"The year 1916 has proved to be the most eventful one in the history of the College," wrote Dean JOSEPH REMINGTON to alumni concerning the merger. "It is a time for 'rejoicing' but there can be no falling off, for now we must have our 'New Building' on the Parkway to house the large classes."

PCP thrived despite its troubled location but concern for the students constantly worried the faculty. As one graduate recalled, "Professor Remington... warned us of the dangers of the Bright Lights... and above all, cautioned us never to 'cut' lectures and visit the 'Troc' [Trocadero burlesque hall on Arch Street]."

Sadly, Remington didn't live to see his "New Building." Years passed while the college sought final approval from the Park Commission which hesitated to allow a private institution to build on city land. To improve its position, PCP recruited Horace Trumbauer in 1920 to design the new building. Trumbauer's firm had successfully designed two other buildings on the Parkway: the Philadelphia Museum of Art and the Free Library at Logan Circle. Moreover, Trumbauer sat on the Art Commission, that passed judgment on the appearance of every Parkway project. With Trumbauer on board, approval seemed forthcoming and, shortly ahead of his 1921 annual report, President French sent a new petition to the Park Commission reminding everyone that "for ten years the college has
been given repeatedly the assurance that the city would grant to it a proper site.” Regretfully, nothing had changed by March 28 when President French gave his report to the trustees. Perhaps because of the delays, he was suddenly replaced as president by trustee OTTO OSTERLUND, who intended to hold office only as long as it took to find a replacement of “national reputation.”

**New Directions**

On May 9, 1921, President Osterlund resigned in favor of WILLIAM C. BRAISTED, MD, surgeon general of the Navy (1914–1920). President Braisted delivered his first address on June 14 with caution: “We must stay in our old building at 145 North Tenth Street for three or four years more…But [the plan] to construct a new building has not been abandoned; it has been merely postponed.”

Although PCP stayed on Tenth Street longer than Braisted expected, a new site was obtained within a year. On March 25, 1922, the College acquired options on land owned by the Clarence Clark Estate in West Philadelphia. In June, PCP officially announced that “an ideal location” had been found on Woodland Avenue, near 43rd Street, opposite Clark Park. The announcement also described the Parkway as “less desirable than had first appeared” because it lacked room for expansion.

**Griffith Hall Opens Its Doors**

PCP celebrated Founder’s Day on February 23, 1923, by dedicating the ground for the new campus, but it wasn’t until March 17, 1927, that groundbreaking occurred, with Mrs. Joseph P. Remington doing the honors. Work progressed quickly, and in January 1928 the long-awaited new building opened its doors.

IVOR GRIFFITH, a 1912 PCP graduate, then serving as assistant professor of pharmacy, remembered the ceremony with mixed emotions:

“It was an event of thrilling significance…But it…conjured poignant memories [and] sadness with the thought of leaving the old and beloved Halls on Tenth Street. For it was there…that Maisch and Proctor, Trimble and Bridges, Remington and Sadtler, Kraemer and Lowe—the beloved masters—walked and talked and breathed their living inspiration [into us]. Blessed be the memories of these—our old masters.”

Griffith rose steadily through the ranks and simultaneously held the offices of president and dean from 1941 to 1959, retaining the presidency until his death in 1961. Five years later, the college named the 1928 building “Griffith Hall” in his memory.

**And What of Tenth Street?**

The old college building, left vacant since the school’s departure, came down in 1935 to make room for a parking lot. No trace of the old campus survives today, but if you’d like to go looking, visit Chinatown and walk a block north of the Friendship Gate. But beware the “Bright Lights,” and don’t cut lectures to visit “the Troc.”
Alumni Couples

Whether it was in class, at the dorm, or by chance encounter, all of our alumni couples have one thing in common—they met and fell in love at school. The Bulletin asked alumni to share their personal stories so that we could recognize and celebrate them. In their own words, here are a few of the many who responded.

KENNETH P’65 and SELMA (BLATNICK) BITZ P’65
“We were alphabetically next to one another, and therefore we were lab partners, seated next to one another in lecture halls, in all the small sections together. In those days, everything was done alphabetically. We were destined to be together for the rest of our lives.”

KENNETH P’65 and SELMA (BLATNICK) BITZ P’65

MICHAEL P’80 and KATE (BURNS) PURZYCKI BI’83
“Mike and I met during the spring semester of my freshman year. He walked by my table as I was sitting with my friends in the cafeteria (Whitecar Hall at the time). I remember looking up as he walked by and I felt my heart skip a beat! About a week later, Mike stopped by the table to talk to my friends and me. The next day, he asked me for my phone number (he still has that slip of paper with my phone number on it). We went to the movies to see Rocky on our first date. We’ve been together ever since. I’ll always have a soft spot in my heart for USP. I met the love of my life there.”

MICHAEL P’80 and KATE (BURNS) PURZYCKI BI’83

H. SCOTT MPT’90 and RUTH (SZUSZCZEWICZ) BIRCHMEIER P’88
“We kept seeing each other around school, but apparently he was intrigued when he saw me in front of Osol Hall with two police cars. They helped me get into my car after I had locked the keys inside.”

H. SCOTT MPT’90 and RUTH (SZUSZCZEWICZ) BIRCHMEIER P’88

ROBERT P’96 and ANGELA (ROMANELLI) NACE P’97, PharmD’98
“We were both peer counselors together and first met during our training program. At that time, we were both seeing other people and were just friends. About a year later, while Rob was completing a rotation at the VA hospital, we ran into each other on campus. We talked briefly for a few minutes, and then he later called one of my friends to ask if I was seeing anyone. When he was given the green light, he called and asked me on a “date.” Not just pizza at Royals, but he made reservations at The Astral Plane in Center City on Friday, October 13, 1995. I thought to myself, if it works out tonight, then it is meant to be. Now, Friday the 13th is our lucky day.”

ROBERT P’96 and ANGELA (ROMANELLI) NACE P’97, PharmD’98

WANT TO READ MORE STORIES? Go online at www.usp.edu/bulletin/AlumniCouples.
Founders’ Day 2010

University of the Sciences celebrated 189 years of academic excellence with a Founders’ Day celebration on Thursday, February 18, 2010. The annual event recalls the University’s establishment on February 23, 1821, by 68 prominent Philadelphia apothecaries. Helping to mark the occasion, an honorary doctorate of science degree was bestowed on JOSEPH M. MAHADY, MBA, president (retired) of Wyeth Pharmaceuticals.

Mahady was selected in recognition of his entrepreneurial spirit and leadership in the pharmaceutical and life sciences industry as well as his continued dedication to innovation and excellence.

“I’ve been very fortunate to have a career where I woke up every day believing that what we worked on mattered, and I’ve been equally fortunate to develop a relationship with this university...” Mahady said. “I couldn’t tell students a better place to go. I didn’t just like what we did as an industry; I loved it.”

In continuing with a recent tradition, a faculty award of merit was presented to GUILLERMO MOYNA, associate professor of chemistry, while a student award of merit was given to BRENDAN O’BRIEN C’10, Phys’10.

A New Name For BS and MBA Programs

With an eye toward meeting the future needs of students, Mayes College of Healthcare Business and Policy officially changed the name of its BS and MBA business programs to Pharmaceutical and Healthcare Business. The name change better reflects the program’s mission and ultimate goal of enhancing employment opportunities.

“Right now, we are evaluating the curriculum to make sure it meets the needs of healthcare providers, payors, and other related segments,” said PATRICIA R. AUDET P’76, PharmD’78, department chair and professor of pharmaceutical and healthcare business. “Ultimately, it will be beneficial to give our students access to more Mayes College courses such as those in public health and health policy that can be better integrated as we look at a broader degree.”

The dedication ceremony for Samson College of Health Sciences in November 2009 united all of the colleges’ namesakes: (from left to right) former president ALLEN MISHER P’59, PhD, HonDSc’95 (Misher College of Arts and Sciences); DELBERT S. PAYNE, chairman, board of trustees; KATHLEEN MAYES P’76, PharmD’78 (Mayes College of Healthcare Business and Policy); PHILIP P. GERBINO P’69, PharmD’70, president; and MARVIN SAMSON HonAlm’96, vice chair, board of trustees (Samson College of Health Sciences).
Going for the Gold

The second annual USP Olympics was a chance at campuswide glory for students and some 40 campus organizations. An Opening Ceremony on January 26, 2010, featured a colorful parade of teams and spirit. Over the course of three months, students were tested on their mental, musical, physical, and teamwork skills. Watch video at youtube.com/USciences.

Dr. Lisa Lawson Named Dean at PCP

LISA A. LAWSON, PharmD, has been selected dean at Philadelphia College of Pharmacy, becoming the first woman chosen for this prestigious position. Lawson also accepted the Barbara H. Korberly Professorship in Women’s Leadership and Health.

“Over the past 14 months, while serving as the interim dean, Dr. Lawson has demonstrated the skills and abilities necessary to lead PCP as the college continually fine-tunes its approach to educating our future pharmacists and scientists,” said RUSSELL J. DIGATE, PhD, provost.

“She is respected by the faculty and staff and brings the knowledge necessary to maintain PCP’s distinction as a top-rated pharmacy college.”

Lawson joined the faculty of PCP in 1982 and moved up the ranks, serving as director of the doctor of pharmacy program, vice dean, and interim dean.

“PCP has had a tremendous legacy of shaping the practice and education of pharmacy at all levels—from the classroom to research to patient care,” said Lawson. “As dean, I look forward to enhancing the educational experience for students with a customized plan of learning and a faculty success model, while enhancing interactions within the University and with alumni and external partners.”

Look for a full profile of Lawson in the next Bulletin.
Fulbright Scholar Visits OT

In October, University of the Sciences welcomed Fulbright Scholar Linda Wilson, PhD, to campus. Her four weeks on campus provided a significant resource for research, teaching, and learning.

Wilson hails from Dunedin, New Zealand, where she is a principal lecturer of the School of Occupational Therapy at Otago Polytechnic. In August 2009, she became the country’s first occupational therapist to receive a Fulbright scholarship and the prestigious award afforded her the opportunity to take a sabbatical of three months in the United States to further her studies. While in the U.S., Wilson divided her time between University of the Sciences and the University of New Hampshire in Durham.

“University of the Sciences met all of the criteria I was looking for, primarily that it is an occupational therapy school with an occupational heart,” explained Wilson. “Many schools have other focuses, but not many schools have such a grounding in occupation, which is the core of OT.”

While at the University, Wilson attended classes and faculty meetings, assisted in teaching courses, accompanied OT students off-site to work with children, and met with faculty members one on one. Driven by the enthusiasm and support from the University community, Wilson hoped to have her research submitted to a journal by the end of February 2010.

Honoring the Life of MLK

Through images and songs, the University hosted a performance by King’s Dream to celebrate the life of Dr. Martin Luther King, Jr., and the civil rights movement. In addition to University students, faculty, and staff, 150 students from three local elementary schools as well as Philadelphia Councilwoman Jannie L. Blackwell attended the event. Left to right: vocalists Zanora El and Stephen Wise.

Secundum Artem:
Selected works of art and design from the University collections

Exhibition on view through January 31, 2011
SPORTS IN SHORT

Athletic Hall of Fame

BY CARRIE HIGHTMAN HumSci’11

With the stands packed by family, friends, and former teammates, the University of the Sciences Athletic Hall of Fame welcomed its two newest members on Saturday, December 12, in a ceremony held in the Athletic/Recreation Center’s Bobby Morgan Arena.

DIANE (GREEN) RENNER P’92 and MARK TACELOSKY P’97 joined the 46 members of the Athletic Hall of Fame, which started in 1981 with 11 charter members.

PAUL KLIMITAS, associate athletic director and chair of the Athletic Hall of Fame committee, credited Green with redefining the leadership role of the women in varsity rifle. He presented her with the actual target that brought her all-time points total to over 100,000 and made her the first individual to surpass that mark. Green had an unlikely path to success, first serving as the rifle team’s manager before joining the squad as a walk-on. Remarkably, she was consistently in the top four scorers for the next four years, breaking multiple school records.

“I am honored and surprised,” said Green, who said her most significant achievement in her eyes was consistently being in the top four shooters on the team. She admitted that she didn’t even know about some of records she held. The ceremony culminated a whirlwind time for Green, who had gotten married earlier in the week.

Athletic director and former basketball team coach BOBBY MORGAN presented Tacelosky, his former power-forward, with a section of the floorboard of the original center court of Alumni Hall.

Klimitas recalled that Tacelosky’s leadership helped to pilot the team to NAIA National Tournament in 1996. At the end of his final season, Tacelosky was one of only two men to score over 2,000 career points. Tacelosky said he was humbled and honored by the news of his induction. In 2008, he was included on the All-Millennium men’s basketball team.

“I still have many fond feelings for PCP,” said Tacelosky who extended that sentiment to his former coach. “[Coach Morgan] taught me about teamwork, basketball, and respect. I have never met anyone quite like him.”

Left to right: Head Men’s Basketball Coach DAVE PAULEY, DIANE (GREEN) RENNER P’92, Athletic Director BOBBY MORGAN, MARK TACELOSKY P’97, and Associate Athletic Director PAUL KLIMITAS.
Fall Fest
Saturday, October 17, 2009, Campus

The campus was brought to life on this special day for students and their families. Alumni, friends, faculty, and staff joined in the festivities, while Legacy family members stopped by the Alumni Relations table for family photos and special gifts.

Help us get to 1821 fans!
Alumni have their own place to gather online. Connect at www.facebook.com/USciences
American Association of Pharmaceutical Scientists
2009 Annual Meeting and Exposition
Monday, November 9, 2009, Los Angeles, CA

Left to right: Dr. Adeboye Adejare, chair, Department of Pharmaceutical Sciences; Ganesh Cherala PhD’07; Dr. Lisa Lawson, dean, PCP; and Dr. Karl DeSante P’66 joined alumni and guests for breakfast, good conversation, and updates on University news.

American Society of Health-System Pharmacists
44th Clinical Meeting and Exhibition
Sunday, December 6, 2009, Las Vegas, NV

Philadelphia College of Pharmacy hosted a reception at the Venetian Hotel and Sands Expo Center. Over 200 alumni, students, and PCP faculty and administration attended, including (left to right) Eric Lee P’00; Jason Nemeh P’00, PharmD’01; Wayne Chu PharmD’00; friend of the University George Nemeh PharmD; and Brian Kotansky PharmD’00.

Alumni Brunch
Sunday, January 24, 2010, Delray Beach, FL

Left to right: Herbert Moss P’54 and Danielle Seifert MPT’05 caught up with President Philip P. Gerbino P’69, PharmD’70 at a gathering for South Florida alumni at the Sundy House.
New Jersey Pharmacists Association
139th Annual Convention
Tuesday, October 6, 2009, Atlantic City, NJ

The reception at the New Jersey Pharmacists Association convention was sponsored by Alumni Relations and the Alumni Association.

American Pharmacists Month
Thursday, October 1, 2009, New York, NY

Pharmacy students celebrated American Pharmacists Month with a trip to the outdoor set of NBC’s Today. Cohost Meredith Viera (center) posed for pictures with some of the students who were on the NYC bus trip sponsored by the Alumni Association.

MISSION OF THE ALUMNI ASSOCIATION

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

See more online at www.flickr.com/USciences.
1954
MARGUERITE (WAXLER) SCHMITT
P'54 retired from Oswald Pharmacy in Jenkintown, PA, in June 2006. She has five grandchildren, all in their 20s, and lives in Philadelphia.

1955
ALAN J. VOGENBERG P'55 is a member of the Bucks County Medical Reserve Corps (BC-MRC). The BC-MRC plans for response to disasters and is currently involved in H1N1 flu vaccination programs.

1969
FRANK M. STEARNS BS'69 (MS'72, Medical College of PA; PhD'78, Hannah Medical College; MBA'90, LaSalle University) coauthored two papers at the 62nd annual meeting of the American Association of Blood Banks in New Orleans in October 2009. He is the CEO and lab director at the American Red Cross National Testing Laboratory in Philadelphia.

1972
LUCY MALMBERG P'72, executive vice president and corporate secretary/treasurer of Wedgewood Pharmacy, has been elected to the board of directors of the International Academy of Compounding Pharmacists (IACP) for a three-year term that began January 1. Malmberg, along with her husband GEORGE P'72, is cofounder of Wedgewood Pharmacy, in Swedesboro, NJ. She also serves as the USP alumni representative for the board of trustees.

1975
STUART GRATZ P'75 has been named vice president of pharmacy operations at Pharmaca Integrative Pharmacy, based out of Boulder, CO.

1979
NANCY (FRANCHAK) GILBERT P'79 has been named to the board of trustees at St. Tikhon’s Orthodox Theological Seminary in South Canaan, PA. St. Tikhon’s is the alma mater of Mrs. Gilbert’s husband, Rev. William S. Gilbert.

1983
NORBERT K. BECKER P'83 saw his article “New Medication Therapy Guidelines for Medicare Part D Sponsors” published in the December 2009 issue of Compliance Today. The article was coauthored by DIANE R. GROW P'83, MARGARET (ARNOLD) SHEPHERD P'93, and MICHAEL DEVINCENZO P'09. Norbert is a clinical pharmacist with PerformRx.

1985
ROBERT S. CORSON P'85 and RAMONA (LEE) CORSON PharmD’87 will celebrate their 24th wedding anniversary this year. They have two daughters, Melissa (20) and Heidi (17). Robert is a pharmacy supervisor at the Kaiser Maui Lani and Wailuku clinics. Ramona is a nephrology clinical pharmacist at Kaiser Permanente Hawaii. She is also a board-certified pharmacotherapy specialist and a certified diabetes educator. The Corsons live in Kahului, HI.

1989
LT. CMDR. CURTIS A. BARE P'89 was deployed aboard the Navy hospital ship USNS Comfort on January 15, 2010, in support of Operation Unified Support Haiti.

1991
MICHAEL STERN BC’91 (MBA’02, LaSalle University) has joined BUCHI Corporation in New Castle, DE, as director of marketing. He was previously a marketing manager at EMD Chemicals in Gibbstown, NJ. He and his wife DEBORAH (MATTHEWS) STERN BC’91 live in Wilmington, DE.

1992
HONG JIN NA PH/TX’92, MS’01 is the new director of operations at PRIME. Jin, as he is known to friends and colleagues, will be responsible for companywide operations pertaining to all government and military contracts, pharmaceutical-supported grants, educational partnerships, and maintenance of certification or licensure courses.

1994
JALLIKA (SHAH) TOLIA P’94 and her husband Ashish welcomed the birth of son Jayen on December 27, 2008. RAJIV S. SHAH P’00 (JD’03, University of MD) is the proud uncle.

1995
ARNALDO C. MARCHIONNE BI’95 has recently been named CEO, Nordic Countries for bio-Mérieux, a leader in microbiology diagnostic testing. Based out of Göteborg, Sweden, A.C. is responsible for managing subsidiaries in Finland, Denmark, Norway, and Sweden.

1998
MICHAEL C. BRIGGS P’98, PharmD’99 and his wife Jacy celebrated the birth of son Adam Jeffrey on August 26, 2009. BENNY L. BRIGGS P’73 is the baby’s grandfather. Michael and his family reside in Downingtown, PA.

SUBMIT CLASS NOTES ONLINE:
www.usp.edu/classnotes
LYNN (PELLEGRIN) TOMSHO BC’98 and JOHN W. TOMSHO PhC’98 (PhD’05, University of Michigan) welcomed son Michael Joseph on November 17, 2009. He joins big brother John Eric. RICHARD D. TOMSHO MPT’00 is the proud uncle.

2000
SHAWN J. BOYLE P’00, PharmD’01 married Catherine Shaw on October 10, 2009, in Bethlehem, PA. MICHAEL F. IMPERATO P’00, PharmD’01; JUSTIN D. BOYDEN PharmD’06; and MARK E. CIARONE PharmD’02 were groomsmen. The newlyweds honeymooned in Mexico and currently reside in Havertown, PA.

2002
KOONAAL “KENNY” SHAH PharmD’02 and his wife Tina welcomed daughter Aryana on February 8, 2010, at 3:58 p.m. The family lives in Phoenixville, PA.

2003
TARA (FARINA) VELAZQUEZ PharmD’03 and her husband Joe welcomed daughter Zoe Marie on November 3, 2009. Zoe joins big sister Ava (3). The family resides in central New Jersey.

2005
NOELLE (MCKINNEY) ROGERS MPT’05 and JEFFREY C. ROGERS, JR., MPT’04, DPT’06 welcomed son Gavin on July 2, 2009. They live in Elkton, MD.

2006
PAULA ANG PharmD’06 will be presenting a poster “Measuring Cost Savings Associated with the Removal of 10 mg, 20 mg, and 40 mg Strengths of Atorvastatin from a Medicaid Plan Formulary” at APhA and AMCP annual meetings this year.

IN MEMORIAM
1945
EDWARD C. HARRIS C’45 passed away on November 4, 2009. His survivors include son JEFFREY S. HARRIS C’81 (MD’85, Temple University) and daughter-in-law MICHELE MISHER-HARRIS C’84.

1952
MARVIN J. SILVERMAN P’52, MS’53 passed away on December 18, 2009. He is survived by his wife, three children, and four grandchildren.

All About Family
CAROL R. COOL

It was like a game of whisper down the lane. FAIZ A. OLEY, SR., P’66 heard about what was then Philadelphia College of Pharmacy and Science (PCPS) from his cousin PATRICK M. GIBRALL P’62. Faiz’s younger brothers ANTHONY J. OLEY P’80 and MARK A. OLEY P’83 were drawn to the college after working in Faiz’s pharmacy as teenagers. Faiz’s two sons, FAIZ, JR., P’92 and JOSEPH P’96, PharmD’97, also followed in their father’s and uncles’ footsteps. Add in two more cousins (PHILIP GIBRALL, JR., P’72 and KAREN MADISON P’84) and Joseph’s wife, GINA MORRISSEY OLEY P’96, and you have quite a legacy. Now Mark’s son is considering the University.

The three elder Oley brothers all own pharmacies in the Richmond, Virginia, area, each with its own specialty, said Mark. His brother Faiz and his children are focused on retail community pharmacy. Anthony has carved out a niche in the long-term care pharmacy market. And Mark’s pharmacy concentrates on servicing self-funded plans, like states and municipalities, through its mail order business.

“When I worked for Faiz as a teenager,” said Mark. “I saw pharmacy as a career on the front lines of healthcare. I was intrigued by the idea of a career that helped people by giving them sound medical advice.” Now he’s expanded that advice to large organizations, helping them identify patients, by looking at drug histories, who may be at risk for other diseases and screening them at health fairs. Then his pharmacy supplies the proper medications at an efficient cost to the self-funded institution.

“T’m able to do this work because PCPS gave me such a good clinical and practical overview of pharmacy. We came out of the school clinically sound, with a good appreciation for the patient.” Mark also credits another family member—his late mother Rose—as a vital part of his success. She instilled in the boys the conviction that an education was all important.
Creating Personalized Formulas to Help Those in Need
Mark Pimley P’84

BY APRIL HALL

Walk into most drug stores, particularly the chain shops, and you’ll find dispensing pharmacies: shelves of bottles and boxes of prepared medications.

Walk into The Compounding Pharmacist in West Chester, Pa., and you’ll find MARK PIMLEY P’84 behind the counter, mixing his customers’ prescriptions “from scratch.”

“When I got out of school, I went into retail,” Pimley recalled. “I wanted my own stores.” He opened his first pharmacy just when prescription cards were becoming standard, and more time was spent on the phone with insurance companies than was spent actually filling prescriptions.

“I didn’t feel it was a valid use of my time, education, or expertise to spend half of the time or more dealing with insurance companies, so I got out of retail pharmacy,” he said.

It was about that time that his wife had a hysterectomy and was in need of bioidentical-hormone replacement. Pimley learned how to prepare his wife’s own personalized formula to help her. Now, working in consultation with physicians, he prepares bioidentical-hormone replacement formulas for individualized patient needs.

“[My wife’s] needs became my niche,” he said. Pimley has since established himself as a compounding pharmacist and is parlaying his experience into projects including alternative cancer treatments and a line of cosmetics with personalized formulations.

“If we ask questions and spend time with customers, then we know what it is that they need,” he said.

ALUMNI CONNECTIONS
ALUMNI FOCUS

Creating Personalized Formulas to Help Those in Need
Mark Pimley P’84

Making an Impact
Daniel Connelly P’82

BY APRIL HALL

DANIEL CONNELLY P’82 has a scientific curiosity most don’t possess. Always good at chemistry and biology, he felt pharmacy was a good combination career.

After graduation, Connelly spent 11 years as a pharmacist at West Jersey Hospital—Camden Division before he decided to move on to help his wife with her internal medicine practice. While he was serving as her jack-of-all-trades, he became active in his community, including advising middle school science fair teams.

“I taught the kids how to do these projects, and they always did really good jobs,” Connelly said. “I thought, maybe, I can [study science] on a shoestring myself.”

While doing some random online exploration, Connelly found something more than interesting on Google Earth and a new adventure began.

“This is where truth is stranger than fiction,” Connelly recalled. “I was on Google Earth, and I don’t know what I was looking for at the time, but it wasn’t anything important. I saw a ring on Australia; it was a curiosity.

“So I asked one question and then another and another.”

Long story short, Connelly believes the ring is a “super crater,” the result of a falling meteor millions of years ago. In fact, he believes it is the largest impact still visible on Earth. The crater itself, now called the Massive Australian Precambrian/Cambrian Impact Structure (MAPCIS), could even mark the most significant change in the world’s history—that life was able to develop and this impact could be a major reason why we are alive today.

Now his goal is to get the scientific community behind his theory, and his studies continue, as does his search for people who have also seen the crater and have theories on its origins. Connelly says he encourages others to see the crater for themselves at MAPCIS.net.

Even after this project is realized, Connelly says he will continue to nurture his lifelong love of science until there is nothing else to discover.
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.

WHY I GIVE...

ELIAS PACKMAN
P’51, MS’52, DSc’54

“I have a general philosophy about life that takes into consideration charity. One of the most important charities that one can be involved with is the support of the institution that helped you get your professional experience. As I grew up, my father gave me the philosophy that ‘for every dollar you earn, live on $.50, save $.25, and give $.25 to charity.’ That’s how I lived my life with regard to giving back to the profession that gave you that success. Then you have a philosophy of life.”

ILENE WARNER-MARON PhD’07
Benefactor for the Lois K. Cohen Endowed Lecture Series in Global Health

“My aunt, Dr. Lois Cohen, has always been a huge influence on me as an example of a woman who was educated and successful and who made a contribution to society through her work. I wanted to endow this lecture series as a way of honoring my aunt as well as giving back to the University, particularly in the area of health policy. As a gerontologist, I see that people are often honored for their contributions at the end of their lives or after they’ve died. I wanted to do this now, so that she could be an active participant in the global health lecture series named in her honor.”

The first Lois K. Cohen Endowed Lecture Series in Global Health will be held on October 4, 2010, and feature Dr. Mirta Roses Periago, director of the Pan American Health Organization.
MAKING A DIFFERENCE...

William R. Jones Scholarship—Helping to Close a Gap

“When I selected USP, I knew I would be headed for a great future,” said BRITTANY EBERSOLE PhC’09, “not only receiving an outstanding education but also developing lifelong relationships.”

Making this all possible for Ebersole was the assistance she received through one of the two scholarships established by ROBERT L. MCNEIL, JR., P’38, HonDSc’70 in the name of WILLIAM R. JONES. McNeil had wanted to honor the contributions of Jones as a University trustee and his competence as a division head at McNeil Laboratories. McNeil established the first scholarship in 2002 with that in mind. The second, in 2009, came in honor of Jones’ 90th birthday.

Financial relief scholarships like the Jones Scholarship helped Ebersole stand out in the classroom by letting her concentrate on her studies. One needs to look no further than her induction into the Alpha Chi National Honor Society and her inclusion on the dean’s list each semester. She also starred on the softball diamond and reaped numerous honors as a student-athlete.

Ebersole graduated in May 2009 and was a recipient of a Huck Institutes of the Life Sciences Fellowship at The Pennsylvania State University. She is working toward her PhD at Penn State’s Hershey Medical Center as part of the integrative biosciences degree program.

Ebersole, who had received scholarship money for softball, still needed the assistance made possible through the William R. Jones Scholarship.

“Receiving this scholarship helped me reduce the financial burden I have already accrued and provided assistance for me as I continue to pursue my education,” she said.

FILLING THE FINANCIAL AID GAP

Example of the type and amount of aid available for a 2009–10 first-year Pennsylvania state resident with maximum financial need*:

<table>
<thead>
<tr>
<th>Type of Aid</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Combined 2009–10 Room, Board, Tuition, and Fees</td>
<td>$41,212</td>
</tr>
<tr>
<td>Federal Grants (Federal Pell + ACG** + FSEOG***)</td>
<td>$7,100</td>
</tr>
<tr>
<td>State Grant</td>
<td>$4,120</td>
</tr>
<tr>
<td>University Merit Grant</td>
<td>$7,000</td>
</tr>
<tr>
<td>University Grant</td>
<td>$2,000</td>
</tr>
<tr>
<td>Work Study</td>
<td>$2,000</td>
</tr>
<tr>
<td>Federal Loans</td>
<td>$5,500</td>
</tr>
<tr>
<td>Unmet Need To Be Paid/Financed By Student</td>
<td>$13,492</td>
</tr>
</tbody>
</table>

* as defined by the results of the Free Application for Federal Student Aid (FAFSA).
** Federal Academic Competitiveness Grant
*** Federal Supplemental Educational Opportunity Grant
Schuman Scholarship—Giving Is the Greatest Gift to Receive

Growing up in a single-parent home with three sisters, SALLY CHIA PharmD’10 appreciated her mother’s hard work to make ends meet and give her daughters the opportunity to go to college. The cost of college is a burden to the Chias, but scholarships like the Schuman Scholarship make life easier and worries less.

“As a recipient of this scholarship, I am grateful for the opportunities the award has afforded me,” said Chia, who is a first-generation Cambodian born in the United States.

Established by ISADORE “TED” SCHUMAN P’51 and his wife, Rochelle, the scholarship benefits them as well as the students. Ted knows all too well the trials of financial hardship: paying his own way to go to school and supporting a family when he got married in his sophomore year.

“Small or large scholarships help the school and make you feel good,” said Ted, who built Schuman Industries into 23 pharmacies and a wholesale division. After years of working seven days a week, he sold the firm in 1980 and retired, and now he takes pleasure in helping others.

Rochelle may have summed it up best: “To give is the greatest gift you will ever receive.”

For Chia, that gift will enable her to go on to residency or work at an independent pharmacy.

Glasser Endowed Scholarship—Easing Students’ Financial Burden

THANH LAM PharmD’11 decided that he wanted to be a pharmacist in his senior year of high school. “I was attracted to the University’s rich history, great reputation in the pharmacy world, and excellent record in producing successful and capable graduates,” he explained.

There was only one obstacle in his path: the cost. Lam came to Atlantic City from Vietnam when he was just four. Twelve years later, Lam’s father died of cancer and his mother was left alone to support her family.

For Lam, scholarships made the difference, including the Abraham and Gloria Glasser Scholarship. This endowed scholarship provided by ABRAHAM GLASSER P’43, and his wife Gloria, supports upperclassmen who are intent on careers in pharmacy or pharmacy research. “Scholarships help substantially,” Lam said. “They allowed me to concentrate on getting an education rather than on how to pay for it.”

Last year, this committed and high-achieving student was accepted into Rho Chi, the doctor of pharmacy’s honor society, which recognizes the top 20 percent of each graduating class. He is now completing the rotations that will help him decide on his career path within pharmacy.

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 = ♣

COLLEGE OF GRADUATE STUDIES
Publication


MAYES COLLEGE OF HEALTHCARE BUSINESS AND POLICY
Presentations


Professional Activity

MIRIAM DIAZ-GILBERT♦ was elected to a 3-year term as a board member of the International Society for Exploring Teaching and Learning (ISETL).

MIRIAM DIAZ-GILBERT♦ became an invited advisory board member of BasicComposition.com, a peer-reviewed open resource for teachers, tutors, and students of basic composition (e.g., basic literacy, basic writing, second-language writing, freshman composition, sophomore composition, and other lower-level English composition courses) in partnership with Utah Valley University Writing Center.

Publications


MARVIN SAMSON CENTER FOR THE HISTORY OF PHARMACY
Exhibit

MICHAEL J. BRODY♦ conceptualized, organized, and mounted a new exhibition at the museum entitled “Secundum Artem,” which displays over 150 objects from the University collections. The exhibition runs through January 31, 2011.

MISHER COLLEGE OF ARTS AND SCIENCES
Grants/Awards

ZHIJUN LI♣ received a two-year $231,630 grant from the National Institutes of Health for work on “Improve Homology Modeling for Membrane Proteins by Conserved Inter-Residue Interactions.”

Jason Karlawish+, STEPHEN T. MOELTER♣, Daniel Weintraub+, Andrew Siderowf+ received a three-year $253,640 grant from the National Institutes of Health, National Institute of Neurological Disorders and Stroke (NINDS) for work on “Parkinson’s Disease and Research Consent Capacity.”

STEPHEN T. MOELTER♣ received a three-year $60,727 grant from the National Institute of Health, National Institute of Neurological Disorders and Stroke (NINDS) for work on “Parkinson’s Disease.”

PRESTON MOORE♣ received a grant for $850,000 service units of computational time at the national resource TeraGrid, in association with the National Science Foundation, for work on “Computational Studies of Complex Biological Systems.”

GUILLERMO MOYNA♣ received a one-year $230,000 research grant from the National Science Foundation for work on “Structure, Solvation, and Dynamics of Ionic Liquids.”

was awarded $5,000 from Single-Site Catalysts, L.L.C./W. R. Grace & Co. for “Undergraduate Summer Funding.”

was awarded $2,700 in sabbatical travel funds by the Royal Society of Chemistry, UK.

was awarded $5,400 in sabbatical travel funds by Agencia Nacional de Investigación (ANII)/Comisión Sectorial de Investigación Científica (CSIC), Uruguay.

CLAUDIA PARVANTA♣ received a one-year $13,343 grant from Temple University for work on “Developing Radiological Risk Communication Materials for Low-Literacy Populations.”

LOIS PECK♣ received a one-year $94,997 grant from the U.S. Department of Education, Fund for the Improvement of Postsecondary Education (FIPSE), for the USP Summer Institute for Middle School Teachers.
Alexander Sidorenko received a two-year $296,000 DMR research grant from the National Science Foundation for work on “Optoelectronic Supramolecular Block-Copolymer Assemblies Aided by Donor-Acceptor Interactions.”

Poster Presentations


Thuy Hien Nguyen, Preston Moore, “Molecular Dynamics of Amy-philic alpha-helices in a Lipid Bilayer” at the University of Delaware Membrane Protein Symposium, November 11, 2009.

Vagmita Pabuwal, Zhijun Li, “Analysis of Transmembrane 3-D Structures of Proteins Using Bioinformatics Methods” at the University of Delaware Membrane Protein Symposium, November 11, 2009.


Jason A. Porter, Alison M. Mostrom, Kevin C. Wolbach, Catherine B. Purzycki, Eva Agbada, Leslie A. Bowman, “Promoting Information Literacy and Critical Thinking in General Education Students” at The Teaching Professor Conference, Washington, DC, June 2009.


Presentations

HARSH AMIN+, CHRISTIAN TOOLEY+, “Combinatorics in Mathematical Chemistry” at University of the Sciences in Philadelphia, November 7, 2009. The faculty sponsor was SALAR ALSARDARY+.


SARAH JANSSSEN+, HIU YAN CHENG+, “The Four Color Theorem” at University of the Sciences in Philadelphia, November 7, 2009. The faculty sponsor was SALAR ALSARDARY+.

LAURIE KIRSZNER+, Stephen Mandell+, invited presentation to English department faculty at Lone Star College–Tomball, Houston, where all first-year students use Kirszen’s textbook, The Brief Wadsworth Handbook, published by Cengage.


Studying Sleep Disturbances to Understand the Mechanisms of PTSD

By Brian Kirschner

Posttraumatic Stress Disorder (PTSD) continues to be a serious and global illness confronting victims of trauma and is the most common psychiatric disorder among war veterans. Since sleep disturbance is a very prominent symptom of PTSD, a collaborative research group at University of the Sciences, together with researchers Adrian R. Morrison, DVM, PhD, and Richard J. Ross, MD, PhD, from University of Pennsylvania and the Philadelphia VA Medical Center, is working toward understanding the role of sleep in the etiology of PTSD.

University of the Sciences graduate student JAMIE K. DASILVA PhD’11, postdoctoral fellow YANLIN LEI, PhD, and research advisor SHANAZ TEJANI-BUTT, PhD, are using an animal model to better understand the mechanisms underlying the debilitating effects of stress and how it leads to disrupted sleep. Their research, which is being conducted in Morrison’s laboratory at UPenn’s School of Veterinary Medicine, utilizes the Wistar-Kyoto (WKY) rat, an inbred strain that is genetically predisposed to stress sensitivity.

“We and others have shown that the WKY rat is one of the most susceptible strains to develop anxiety-related behavior,” Tejani-Butt explained. “Since rapid eye movement (REM) sleep appears to play an important role in the processing of fearful stimuli, disruption of sleep following a traumatic event in humans may predict the development of PTSD later on.”

“Our current project has significant relevance for enhancing the understanding of sleep and nightmare disturbances that occur in a vast majority of patients with chronic PTSD.”

JAMIE K. DASILVA PhD’11

Continued on page 29
ALEXANDER SIDORENKO+ organized the symposium "Hybrid Smart Micro- and Nanoparticles" for the PMSE Division at the American Chemical Society National Meeting, Washington, DC, August 16–19, 2009.


KAMAL TAMBAKUWALA+, DAVID SCALA+, "The Wonders of Fractals" at University of the Sciences in Philadelphia, November 7, 2009. The faculty sponsor was SALAR ALSARDARY+.

LIA VAS+, invited visitor at The American University in Cairo, Egypt, August 3–13, 2009.

Publications


GINA KAISER+


LAURIE KIRSZNER+, Stephen Mandell+

• Patterns for College Writing, 11th edition, Bedford/St. Martin’s, May 2009.


DaSilva and colleagues have discovered that when a WKY rat is reminded of even a mildly fearful experience, it exhibits an increase in anxious behavior and a disruption of REM sleep. However, when social support is provided immediately after or during a reminder of the experience, the animal exhibits a reduction in both anxious behavior and sleep disturbances.

“It appears that social support may protect a stress-susceptible animal from the REM sleep fragmentation that is otherwise produced by fearful experiences in isolation,” said DaSilva.

The collaborative group has found that fragmented REM sleep patterns observed in WKY rats are similar to what is seen in PTSD patients. By investigating the neural mechanisms through which social support alleviates REM fragmentation in the WKY rat, the researchers hope to gain insight into the relationship between both genetics and environment in a susceptible phenotype.

“Our current project has significant relevance for enhancing the understanding of sleep and nightmare disturbances that occur in a vast majority of patients with chronic PTSD,” said DaSilva. “These disturbances are often refractory to available treatments, and there is an urgent need for a valid animal model in which more precise neural targets and better treatment options can be identified.”

DaSilva, who has been studying male rats thus far, will also turn her attention to female rats, since females are almost twice as likely to develop PTSD when exposed to trauma.

Invited to attend the 2008 Lake Arrowhead Sleep Training Workshop held in Lake Arrowhead, CA, DaSilva developed this portion of her thesis as a concept research grant. She was awarded the 2008 Excellent Research Proposal award with her ultimate prize being the funding to carry out the project. She was then invited to return to the 2009 Lake Arrowhead Sleep Training Workshop where she presented her findings in a formal seminar. She also presented her findings at the 2009 Society for Neuroscience (SFN) annual meeting in Chicago, which was included in SFN’s Hot Topics, and was invited to publish her methods in the Journal of Visualized Experiments. In addition, DaSilva’s preliminary data provided the foundation for a grant submission to National Institute of Mental Health, which has recently been approved for funding to Tejani-Butt.
SCHOLARLY ACTIVITY


OFFICE OF FINANCIAL AID

Grant

PAULA LEHRBERGER+ received a one-year $99,000 grant from the Health Resources and Services Administration (HRSA) American Recovery and Reinvestment Act for “Scholarships for Health Professions Students from Disadvantaged Backgrounds.”

PHILADELPHIA COLLEGE OF PHARMACY

Grant

BIN CHEN+ received a three-year $718,382 grant from the Pennsylvania Pharmacists Association Annual Meeting, Lancaster, PA, October 4, 2009.

Poster Presentations


LAURA A. FINN+, JEANETTE LITTS++, SHAWN BOYLE+, “Integration of Notebook Computers into a Course Management System in a Laboratory Class” at the American Recovery and Reinvestment Act for “Scholarships for Health Professions Students from Disadvantaged Backgrounds.”

Presentations


SAMSON COLLEGE OF HEALTH SCIENCES

Poster Presentations

THERESE E. JOHNSTON++, K. E. Watson++, J. Engsberg++, S. A. Ross++, P. E. Gates++, C. A. Tucker++, R. R. Betz++

• “Outcomes of a Treadmill Training Exercise Program for Marginally Ambulatory Children with Cerebral Palsy: A Preliminary Report” at the American Congress of Rehabilitation Medicine, Denver, October 7–11, 2009.


Presentations


Professional Activity

THERESE E. JOHNSTON++ served as a grant reviewer for the Veterans Administration Rehabilitation Research Merit Award Reviews, August 24–26, 2009.

Publications


A. Tolman++, PHYLLIS BLUMBERG++, C. Johnson++, “Generating Improved Learning: Applying Learner-Centered Teaching to Distance Education” at the Professional and Organizational Development Network in Higher Education, Houston, October 2009.


• “This Is Your Course: Encouraging Students to Take Responsibility for Their Learning” at the Annual Conference of the International Society for Exploring Teaching and Learning (ISETL), Philadelphia, October 8–10, 2009.


A. Tolman++, PHYLLIS BLUMBERG++, C. Johnson++, “Generating Improved Learning: Applying Learner-Centered Teaching to Distance Education” at the Professional and Organizational Development Network in Higher Education, Houston, October 2009.

Publication

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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:

BRIAN KIRSCHNER
Editor, Bulletin
Phone: 888.857.6264
Fax: 215.596.7596
E-mail: b.kirschner@usp.edu

IN OUR NEXT ISSUE...
• PCP's Newest Dean
• Commencement 2010
• A Humanitarian Mission to Haiti

DEGREE/PROGRAM ABBREVIATIONS

<table>
<thead>
<tr>
<th>Degree/Program Acronym</th>
<th>Full Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>BAC</td>
<td>Bacteriology</td>
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<tr>
<td>BC</td>
<td>Biochemistry</td>
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<td>Chemistry</td>
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<td>CB</td>
<td>Cell Biology</td>
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<td>CS</td>
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<td>DPT</td>
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<td>ES</td>
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<td>HonAlm</td>
<td>Honorary Alumnus/a</td>
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<td>Honorary Degree (Science)</td>
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<td>HPsy</td>
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<td>HS</td>
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<tr>
<td>HumSci</td>
<td>Humanities and Science</td>
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<td>IndP</td>
<td>Industrial Pharmacy</td>
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<td>MB</td>
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<td>MOT</td>
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<tr>
<td>MS</td>
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<td>OrgC</td>
<td>Organic Chemistry</td>
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<tr>
<td>P</td>
<td>Bachelor of Science in Pharmacy</td>
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<tr>
<td>PA</td>
<td>Physician Assistant</td>
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<tr>
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<td>Pharmacy Administration</td>
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<tr>
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<td>PhCg</td>
<td>Pharmacognosy</td>
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<tr>
<td>PhD</td>
<td>Doctor of Philosophy</td>
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<tr>
<td>PhG</td>
<td>Graduate in Pharmacy (equivalent to P that is used today)</td>
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<td>PhSci</td>
<td>Pharmaceutical Sciences</td>
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<tr>
<td>PhTech</td>
<td>Pharmaceutical Technology</td>
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<tr>
<td>PH/TX</td>
<td>Pharmacology and Toxicology</td>
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<td>PMM</td>
<td>Pharmaceutical Marketing and Management</td>
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<tr>
<td>Psy</td>
<td>Psychology</td>
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<tr>
<td>STC</td>
<td>Certificate in Science Teaching</td>
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<tr>
<td>TX</td>
<td>Toxicology</td>
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</table>
“Though my wife was an alumna, I had little connection to the University before she passed away in late 2006. This scholarship allows me to be a part of a high-quality academic community, while easing the financial burden of a deserving student.”

David Keegan

David Keegan established the Jule Ann T. Bravyak P’85 Keegan Memorial Scholarship in 2007 to provide financial assistance to a female pharmacy student while also preserving his wife's memory.

Sheila Kundu PharmD’13 says, “As a recipient of the scholarship, I am inspired to maintain my academic standing and continue striving toward a bright future.”

To make a difference, 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)

May
Thursday, May 13
Delaware Pharmacists Society Alumni Meet and Greet, Deerfield Golf and Tennis Club, Newark, DE

Wednesday, May 26
189th Commencement, Mann Center for the Performing Arts’, Philadelphia, PA

Thursday, May 27
Young Alumni Happy Hour for Grads '05-'10, The Deck at Harbor Pointe, Essington, PA

July
Tuesday, July 13
APhA Pharmacy Based Immunization Delivery Training Program

Saturday, July 31
Summer Happy Hour, Avalon, NJ
Watch for invites or check facebook.com/usciences for location and details.

August
Monday, August 2
Summer Golf Outing, Edgmont Country Club, Edgemont, PA

Friday, August 27
Move-in Day and Convocation

Summer Open Houses
Thursday, July 22
Thursday, July 29
Thursday, August 5
Thursday, August 12

Summer Open Houses are a great opportunity for prospective students and parents to get to know the University. Student-led tours and opportunities to interact with admission counselors, speaking to faculty about majors, and meeting current students are a part of each day. www.usp.edu/visitusp

For more events, visit: www.usp.edu/NewsEvents

SAVE THE DATE
Saturday, Sept. 25, 2010
For more information about Reunion, visit: www.usp.edu/reunion.