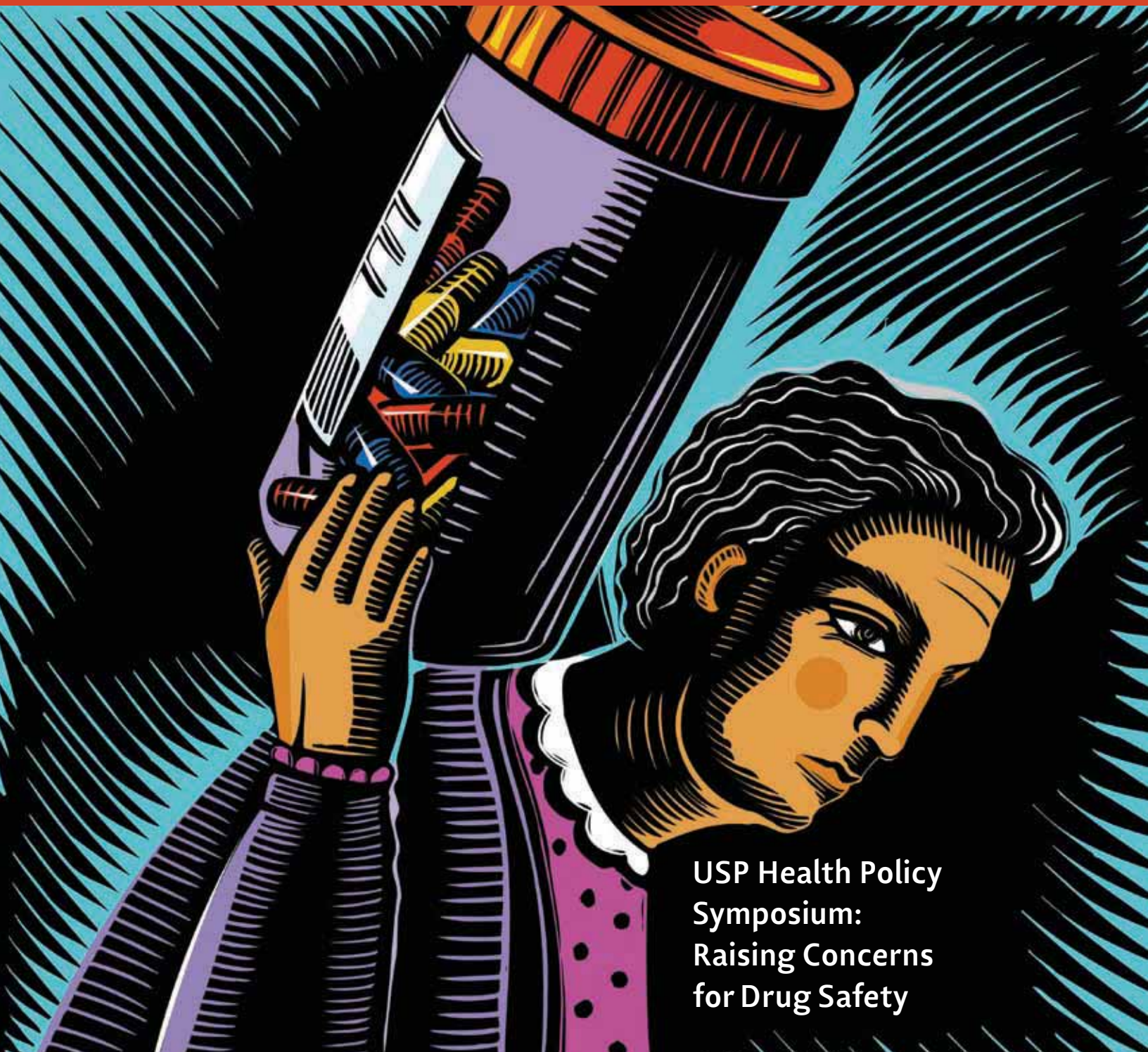


USP Bulletin

A MAGAZINE FOR ALUMNI AND FRIENDS OF UNIVERSITY OF THE SCIENCES IN PHILADELPHIA SUMMER 2007, VOLUME 97 NO. 1



USP Health Policy Symposium: Raising Concerns for Drug Safety

Commencement

Class of 2007 Ushered
into the Real World

Scholarly Day

Showcasing Student and
Faculty Achievement

How SWEET It Is

Exercise Program for
Local Elders

FROM THE PRESIDENT

Each year at this time, as we welcome our new alumni and prepare for the arrival of our new students, it seems appropriate to remind ourselves of our commitment to your futures.

As our graduates launch into their professional lives, together we forge a new partnership in our shared goals—and shared futures. As our incoming class begins a new educational experience, we welcome the newest members of our learning community.



This issue of the *USP Bulletin* features some of the ways in which we do this. In addition to all the exciting news about Commencement 2007 and this year's graduates, you will read about annual events such as USP Scholarly Day and the Health Policy Symposium that highlight our faculty's and students' growing expertise in so many areas of science and health care.

We are a community of faculty, students, staff, and alumni, and each of us has the opportunity to contribute to the legacy of USP's traditions of excellence and to enhance the tangible social benefits that can be achieved through our joint efforts. To realize this potential requires that we continually evaluate and refine our focus

and that we maximize that potential through planning and partnerships. This will remain a priority throughout the next year.

As we look toward the beginning of a new academic year, we will begin the tactical planning phase of Legacy, Vision, and Value—our strategic plan. Several committees will be developing recommendations for implementation and assessment around each of the strategic goals identified in the plan. Leading and overseeing this effort will be the newly appointed Senior Leadership Team, comprising administrators, deans, faculty, and student representatives—the people who are at the heart of USP's operations. I will review these recommendations with my Executive Leadership Team (the provost, senior vice president for marketing and development, vice president for finance, vice president for operations, vice president for community partnerships, and associate vice president/chief of staff), and we will begin budgeting for the continuing phased implementation of the plan.

With these initiatives, and the ongoing development of partnerships to enhance teaching and learning opportunities, all members of the USP community can anticipate an academic year that promises to continue our evolution to become the “university of the future.” None of this would be possible without your ongoing commitment and generous support, and for that I thank you once again.

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.

USP Bulletin

A MAGAZINE FOR ALUMNI AND FRIENDS OF
UNIVERSITY OF THE SCIENCES IN PHILADELPHIA

SUMMER 2007, VOLUME 97 NO. 1

USP graduates from the class of 2007 leave the classrooms and laboratories to join the ranks of clinicians, scientists, and discoverers.



COVER STORIES

Experts See Drug Safety as Crucial to America's Public Health

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Four of the nation's most prominent drug safety experts warned of dangers facing American patients as they examined "The Future of Drug Safety."

USP's Class of 2007 Ushered into the Real World

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Commencement celebrated the class of 2007. Four profiles spotlight the next generation.

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The 5th annual event showcased faculty and student accomplishments.

How SWEET It Is

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USP-developed program aims at improving minds, bodies, and spirits of local elderly residents.

Alumni Focus

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MARTIN KATZ DSc'54 first chiseled out a successful career in industry and then in sculpture.

Surveying Drug Use Among Pharmacy Students

Page 29

Do USP Pharmacy students misuse drugs more than other students? New research takes a look.

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Letters to the Editor:

Med Techs Are Unsung Heroes

I always enjoy reading the *USP Bulletin*, but I was thrilled when I opened the winter 2007 issue.

There in the middle of the magazine was an Alumni Focus on Medical Technology graduates, those hard-working unsung heroes who are working at the University of Pennsylvania Blood Bank. As a med tech graduate of 1973, educator in medical technology for 30 years, and now author of a text in hematology, [I believe] this group of professionals is long overdue their spotlight. The work of laboratory professionals accounts for 70 percent of the information in the medical records; important information which contributes for accurate diagnosis and treatment.

University of the Sciences in Philadelphia gave us each an excellent academic and clinical preparation. By profession, we are small in numbers, but huge in the impact we make on health, diagnosis, and prognosis.

Hopefully, we will continue to be a profession highly valued by our University.

Betty (Unkelbach) Ciesla MT'73

Fine Education Not Forgotten

Hello. I just received the current *Bulletin*, winter 2007. I want to greatly compliment whoever got it all together.

Yes, I recognize some photos and some names since I graduated in 1954 (still PCP&S to me).

It was so interesting. Too many to mention: scholarly activities, fun photos of the alumni gatherings, college improvements, so many good things to read about! The changing look—of the future—of our college. Just fantastic.

Your pictures of the college NOW are beautiful.

I never [will] forget the fine education our college gave me and [how it] prepared me for future life. Whenever I dispense an Rx, always: verified drug-sig—and general cautions as to allergies of patient and contra-indications—all put into my head by instructors and groundwork by my previous professions.

Best thanks for a great *Bulletin*.

Excerpted from Dr. Hillard Mann P'54, a self-proclaimed disciple of Ivor Griffith and Linwood Tice

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

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Spring 2007 USP Bulletin Clarifications:

In the story "Compounding Pharmacies at the Forefront of Personalized Medicine," it should be noted that in addition to Wedgewood Pharmacy and Compounding Rx Apothecary, many USP alumni in the Philadelphia area have been long-time hosts of USP students for advanced pharmacy experience assignments. Additional preceptor sites include Boothwyn Pharmacy Compounding Center (**LOUIS M. MICOLUCCI** P'90), Custom Prescription at Gateway Pharmacy (**NANCY BAIRD** P'00, PharmD'01; **MARK SZILAGYI** P'76 and **SANDRA BUBRI SZILAGYI** P'76), The Compounding Pharmacist (**MARK PIMLEY** P'84), and Village Compounding Pharmacy (**DANIEL BUSICHIO** P'81).

In the story "From Pharmacy to Photography—The Legacy of Frederick Gutekunst" it was stated that Gutekunst learned the daguerreotype process from Robert Cornelius. Instead, it was Marcus Root who learned the process from Robert Cornelius, a former student of Gerard Troost. Gutekunst's frequent visits to Root's studio as a youth, sparked his early interest in photography.

In addition, it should be noted that 145 N. Tenth Street was PCP's third location. The original site was 20 S. Seventh Street, and the second site was 710 Zane (now Filbert) Street.

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Experts See Drug Safety as Crucial to America's Public Health

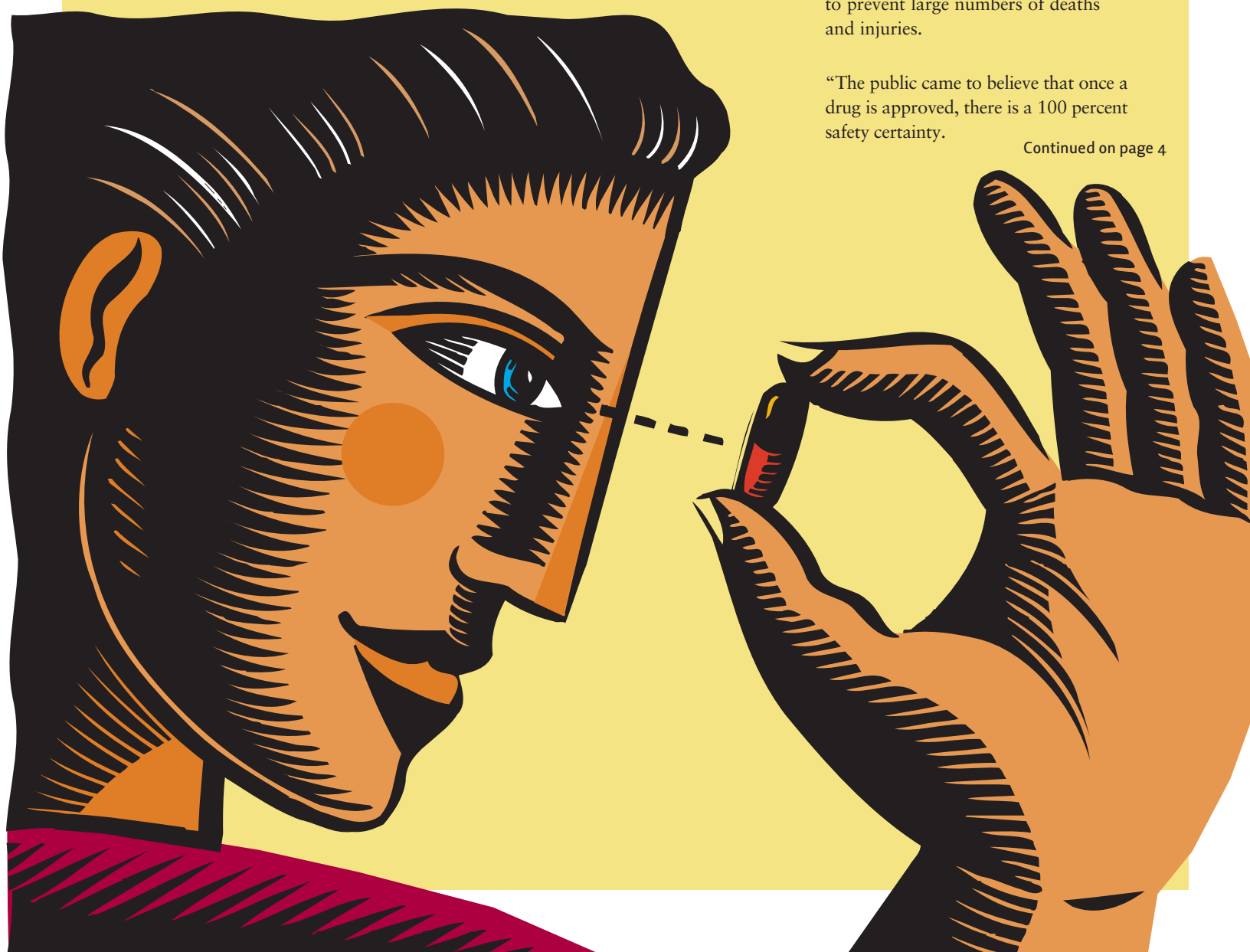
The Future of Drug Safety: Trials, Errors, and the Promise of Pharmaceuticals

BY ROBERT FIELD, JD, MPH, PHD, AND CHERYL SQUADRITO

Four of the nation's most prominent drug safety experts warned of dangers facing American patients at the fourth annual Health Policy Symposium titled, "The Future of Drug Safety: Trials, Errors, and the Promise of Pharmaceuticals," held at USP on March 21. The experts, from government, industry, health care, and academia, agreed that action is needed to prevent large numbers of deaths and injuries.

"The public came to believe that once a drug is approved, there is a 100 percent safety certainty.

Continued on page 4



Continued from page 3



An expert panel, representing government, industry, health care, and academia agreed that action is needed in all areas of drug safety to prevent large numbers of deaths and injuries.

But this is not the case,” said moderator Michael R. Cohen, RPh, MS, ScD, FASHP, president of the Institute for Safe Medication Practices (ISMP) and recipient of a MacArthur Foundation Genius Award. “In 2005, one in four reported medical errors was related to medication errors, which is a major issue.”

former director of the FDA’s Office of Epidemiology and Statistics. Drug recalls, which are frequent, are “simply inherent in how drugs are studied and approved today,” he added.

Drug safety is a rapidly growing concern as the population ages. The elderly are more

sensitive to the effects of drugs, such as adverse reactions. Many of the elderly take multiple medications, which increases the chance of side effects. MARK H. BEERS, MD, adjunct professor in the Department of Health Policy and Public Health and retired editor-in-chief of *The Merck Manuals*, cautioned that “whatever the future of drug safety is, it must focus on the elderly.”

Among the solutions that the experts considered were better information for prescribing physicians and a greater role for pharmacists in counseling patients. However, the medical system is not well equipped to accommodate such changes. “Retail pharmacists have the

“The real issue is not whether the drug is safe. It is rather how safe or unsafe.”

GERALD A. FAICH MD, MPH, FISPE

Reform and reinvigoration of the Food and Drug Administration (FDA) captured much of the panelists’ focus. “The FDA needs more resources in order to change current systems and processes,” advised Susan S. Ellenberg, PhD, professor and associate dean for Clinical Research, University of Pennsylvania School of Medicine and former director of biostatistics and epidemiology at the FDA’s Center for Biologics Evaluation and Research. Congress is presently debating several proposals to enhance the FDA’s monitoring of drug risks.

The FDA’s role is especially important because no drug is entirely safe. “The real issue is not whether the drug is safe. It is rather how safe or unsafe,” warned Gerald A. Faich, MD, MPH, FISPE, senior vice president for epidemiology and risk management at United BioSource Corporation and





right tools; they just don't have the right systems," said Dr. Beers. All agreed that an overhaul of drug safety oversight is needed.

ROBERT FIELD, JD, MPH, PhD, chair of USP's Department of Health Policy and

Public Health and organizer for the symposium, opened the event by telling the 200 people in the audience that this was an "ongoing dialogue" on drug safety and that USP would maintain an active role as a forum for ongoing debates. The school has a

dynamic research program in health policy through its Department of Health Policy and Public Health, which cosponsored the symposium along with ISMP. **USP**

Biographies

Michael R. Cohen, RPh, MS, ScD, FASHP, is president of the Institute for Safe Medication Practices and a nationally recognized expert on medication safety. He is author of the book *Medication Errors* and assistant editor of the journal *Hospital Pharmacy*. He is also a member of several key medication safety committees, including Joint Commission on Accreditation of Healthcare Organization's Sentinel Event Advisory Group and the FDA's Drug Safety and Risk Management Advisory Panel.



Gerald A. Faich, MD, MPH, FISPE, served with a number of state and federal public health agencies before his current role as senior vice president for epidemiology and risk management at United BioSource Corporation. He was office director of the FDA's Office of Epidemiology and Statistics as well as a deputy director in the Office of the U.S. Surgeon General. He has held academic positions at several universities, has published over 90 articles, and is a reviewer for several medical journals.



Susan S. Ellenberg, PhD, professor and associate dean for Clinical Research, University of Pennsylvania School of Medicine, previously served as director of biostatistics and epidemiology programs in the Center for Biologics Evaluation and Research at the FDA. While at the FDA, she facilitated the development of international standards for design and analysis of clinical trials performed by the pharmaceutical industry, developed programs for post-marketing safety surveillance of biological products, and coordinated development of policy for establishing and operating clinical trial data monitoring committees. She was also a member of the Institute of Medicine's Committee on the Assessment of the U.S. Drug Safety System, which issued a landmark report on the future of drug safety in 2006.



MARK H. BEERS, MD, has recently retired as editor-in-chief of *The Merck Manuals* and executive director of geriatrics and clinical literature at Merck & Co., Inc.

Dr. Beers' research and practice focused on improving the use of medications in the elderly. He has published over 45 articles and book chapters about medication use in the elderly and lectures widely on the topic. In addition, he has authored and edited eight books. He is currently an adjunct professor at USP.



USP's Class of 2007 Ushered into the Real World

BY BRIAN KIRSCHNER

With the sun shining brightly outside and a pleasant breeze blowing through the open arena of The Mann Center for the Performing Arts, the 468 members of USP's 2007 graduating class celebrated an important milestone in their lives.

"You have accomplished much thus far," USP President **PHILIP P. GERBINO P'69**, PharmD'70 told USP's 186th graduating class on May 23. "Yet as your career begins, there is still much to do. This day is called commencement because it marks and symbolizes a day of beginning—the beginning of a lifelong journey of knowledge, experiences, social responsibility, and world citizenship. It is the beginning of your time for personal fulfillment. Each of you, I assure you, has the potential for greatness."

As part of its 2007 Commencement ceremony, held at The Mann for the first time, the University bestowed an honorary doctorate of science on Rockefeller Foundation President and past University of Pennsylvania President, **JUDITH RODIN, PhD**.

"I know that USP has a long tradition of public service—one that's reflected in the importance you ascribe to connecting to the world around you," Dr. Rodin, who has served as president of the Rockefeller Foundation since March 2005, said. "From taking part in the Philadelphia AIDS walk, the American Red Cross or March of Dimes walks; holding book, toy, and clothing drives; mentoring local students; or cleaning up Clark Park...so many of you have committed

to time-intensive, hands-on efforts that make a difference for your fellow citizens. So, let scientific curiosity and social commitment continue to be your guide after you graduate today. You have been given a noble legacy to fulfill, inspired by generations of illustrious and dedicated alumni."

Additionally, the University recognized **ROBERT A. SMITH, MS**, assistant professor of biology sciences, as the 2007 Lindback Foundation Award for Distinguished Teaching at USP. The Lindback Award, which is funded through a gift from the Christian R. and Mary F. Lindback Foundation, annually recognizes full-time faculty members with excellent records of teaching. Award recipients are nominated by students and selected by a committee of both students and previous faculty awardees.

Another highlight of the ceremony included a Uniformed Services Commissioning. **EZRA MELL PharmD'07**, who has participated in the Sr. Commissioned Officer Student Training and Extern Program of the United States Public Health Service, was promoted to the grade of Lieutenant. The U.S. Public Health Service Commissioned Corps is one of the seven uniformed services of the U.S. and is under the direction of the U.S. Surgeon General. Mell has been assigned to the Federal Bureau of Prisons Federal Medical Center in Devens, Massachusetts, and joins the approximately 160 Bureau of Prisons pharmacists and the approximately 880 Public Health Service Commissioned Corps Pharmacists.



Former UPenn President **JUDITH RODIN, PhD**, received an honorary doctorate of science.



The 2007 Lindback Foundation Award for Distinguished Teaching at USP was presented to **ROBERT A. SMITH, MS**.



Commencement included a Uniformed Services Commissioning of **EZRA MELL PharmD'07**.



For the graduates, the ceremony and celebration technically started the day before on May 22, at the graduate student luncheon, when the awards were handed out. In addition to the student honors, longtime professor FRANCIS M. WHITE HonAlm'93 was bestowed an honorary doctor of science degree. White began his career in 1941 in the department of biology and microbiology at



Longtime professor FRANCIS M. WHITE HonAlm'93 was bestowed an honorary doctor of science degree at the student awards luncheon the day before Commencement.

ceremony, a scholarship in White's honor was established by Dr. LEN JACOB BI'70 to recognize an outstanding biology student who is planning to pursue a career in academia. STACEY GORSKI BI'08 was the first recipient. The scholarship is in addition to the Francis M. White American Institute of Biological Sciences Award, which White had established upon his retirement.

While graduates would ultimately hear their own names called and walk across the stage, they were reminded that their accomplishment not only was the beginning but placed them among a larger legacy.

"Graduates, today you leave the classrooms and laboratories. You enter the ranks of clinicians, scientists, and discoverers," Dr. Gerbino told the graduates, in front of their honored guests, faculty, parents, family, and friends gathered at The Mann. "You possess those same characteristics often associated with innovators, leaders, practitioners, and scholars. You carry a legacy of excellence.

"You have been given a noble legacy to fulfill, inspired by generations of illustrious and dedicated alumni."

JUDITH RODIN PHD

the institution. Over the course of his 42 years, he served as chair of the department once in the 1960s and again from 1981 until his retirement in 1983. After the hooding

You are now part of that amalgam of eminence that forms the tradition and reputation of USP." **USP**

Class of 2007 Commencement Facts

Total Graduates	468
Degrees Granted	489
Degrees Awarded	
Undergraduate	412
Graduate	77
Dual-Degree Graduates	21
Men	151
Women	317
Age of Youngest Graduate	20
Age of Oldest Graduate	53
Number of States Represented by Graduates	23
Number of Countries Represented by Graduates	13
Number of Graduates with a 3.40 GPA or Higher	
Undergraduate	76
Graduate	68
Breakdown of Degrees	
BS	127
BS in Health Science	56
MBA	15
MOT	8
MPT	17
MS	35
DPT	11
PharmD	208
PhD	12

2007 USP GRADUATE PROFILES



DANIEL LEDONNE HS'07

Why did you choose to attend USP?

I chose USP because all through high school my favorite classes were in science. I thought that it would fit me nicely to go to a school based around science. Also, I initially looked for colleges that had majors in physician assistant studies. I liked the campus when I visited and was very interested in the PA program offered here.

How would you describe your experience at USP?

My time at USP started as a very fun experience, much like everyone's first year in college. After that I had to buckle down in order to do well. Most of the time, I was a commuter and drove anywhere from 20 to 45 minutes to get to school. I also did all my studying at my house. In my second year, I joined a fraternity in order to make more friends and meet more people, both of which I achieved.

What will you remember most about USP?

I will remember my first two years at USP the most because I lived on campus for most of that time. I met a lot of people and had a lot of fun.

What are your career plans after graduation?

I am attending an internship for medical technology at St. Christopher's Hospital for Children. The internship starts in August 2007. After the internship, I will be certified and can work in any laboratory.

Where do you see yourself in 5 to 10 years?

In five years, I hope to be working in a hospital close to home as a clinical laboratory scientist. Probably after 10 years, I will hopefully be back in school getting my master's degree in physician assistant studies. **USP**

IZABELA HARTMAN BC'07

Why did you choose to attend USP?

My goal was to develop my knowledge in molecular modeling and computer-aided drug design. USP gave me the opportunity to learn about those subjects from the best professors, such as my advisor Dr. Randy Zauhar, who has closely collaborated with major pharmaceutical companies. Therefore, the knowledge I learned here can be directly extended into the workplace.

Why did you decide to pursue your particular degree?

The study of biochemistry allowed me to better prepare myself for doctoral research. As a past graduate of chemical engineering, it also allowed me to learn how to look at projects on a molecular level, which directly applies to human health, instead of a large-scale production.

How would you describe your experience at USP?

USP is an excellent place to pursue scientifically driven goals. I could research novel pharmaceuticals to fight human diseases such as cancer in a high-tech manner by using computer-aided methods, clusters of nodes to calculate equations, which today take a few seconds instead days

or months. It also allowed the study to be more effective, cheaper, and faster by using the Shape Signatures screening method, which is a unique and successful method. I also like that USP applies knowledge from several fields and gave me many opportunities to see the outcome of innovative projects.

What accomplishments are you most proud of?

I am very happy to finalize the study of potential anticarcinogenic compounds and endocrine disruptors using computer-aided drug design methods. This study presented the results of the fast-screening Shape Signatures method developed by Dr. Zauhar. I am also very proud of a published study on Selenium-Aromatic interactions.

What are your career paths after graduation?

My plans are wide open. But in this particular moment, I am interested in working/supporting research.

Where do you see yourself in 5 to 10 years?

I definitely would like to become even more independent and manage research projects. **USP**



MIRELA SPILLANE PX/TX'07



Why did you choose to attend USP?

After considering the location, degrees offered, and class sizes, I chose to attend USP. I liked being able to commute without having to move far from my family. Secondly, USP is the only school in Philadelphia that offers a pharmacology and toxicology degree, an undergraduate major that is of particular interest to me. I found the class sizes to be comfortable and helpful in maximizing my learning opportunities.

How would you describe your experience at USP?

Attending college at USP has been a great experience for me. I found the faculty and the research done at USP to be quite impressive. The Pharm/Tox faculty has also been amazing in helping me understand the scientific literature and figure out my future. USP has done a great job of providing me with a sturdy science background and a good research experience needed to face the future.

What will you remember most about USP?

I think what I'll remember the most is my forensics class. The labs for that class were extremely interesting. I remember us lifting latent fingerprints and suddenly the whole bench would be covered in carbon black. I especially enjoyed the analysis of blood spatter and forged signatures.

What are your career plans after graduation?

In the fall, I will be attending Drexel University College of Medicine to pursue a PhD in neuroscience.

Where do you see yourself in 5 to 10 years?

For the next (hopefully) five years I will be attending graduate school in pursuit of my PhD in neuroscience. Afterward, I might work in the industry or continue postdoctoral studies. Further research and education will help me decide which route I will follow. **USP**

PETRINA BOUCHER C'07



Why did you choose to attend USP?

I felt that USP would provide me with a good educational background as well as the laboratory skills I would need to prepare me for the challenges I will face as a research chemist. From my first visit to the campus, I felt that the environment at USP would not only expose me to the type of people I would encounter day to day in my field but also teach me how to work and interact with these individuals.

Why did you decide to pursue your particular degree?

I have always had a curious mind and a desire to know why things interact and behave as they do. My interest in chemistry was first sparked when I saw the classic volcano explosion caused by the neutralization reaction between baking soda and vinegar. From that point on, I wanted to learn the properties of compounds, why different compounds react as they do when they interact, and how I could use that knowledge to produce new things. With this mind-set, chemistry was the perfect field for me.

How would you describe your experience at USP?

My four years at USP have been very interesting. Hard work and adjustments best sum it up. There were many late nights studying and a few hanging out with friends, but mostly studying.

What accomplishments are you most proud of?

The accomplishments I am most proud of would have to be graduating from USP with my BS in chemistry in four years and being accepted to organic chemistry PhD programs at three major universities: University of Illinois at Chicago, University of Maryland (College Park), and Rutgers University (New Brunswick).

What are your career plans after graduation?

In the fall, I will be attending the University of Maryland at College Park for my PhD in organic chemistry.

Where do you see yourself in 5 to 10 years?

In five years, hopefully, I will be graduating from Maryland with my PhD in organic chemistry. From there, I plan to get a job doing research either in industry or for the government. In 10 years, I hope to be starting my own not-for-profit research firm. **USP**



USP Legacy Society—A Family Affair

The USP legacy Society is, simply put, a family tradition. Started in 2006, the USP Legacy Society honors the many families who have attended the University.

A USP legacy is defined as “any alumnus or student in a family with one or more generations of USP graduates both living and deceased. This includes alumni and students who are related by marriage.” The numbers are growing: 17 percent of the alumni (nearly 2,000) are “legacies.” And, there are an estimated 63 current students with legacy connections.

In what has become an annual tradition, the second USP Legacy Society event was held on campus in the Wilson Student Center in conjunction with the University’s 186th Commencement activities in May.

AMY BRYANT, MLS, senior director of stewardship and data, who helped conceived of the Legacy Society, was impressed by this year’s turnout of 19 families.

“We are constantly amazed, and of course pleased, by how deep family roots run at USP. The Legacy Society is a terrific opportunity to reconnect with alumni and the families who are the backbone of USP’s rich tradition,” said Bryant.



Visit www.usip.edu/legacy to learn more.



Borneman Family: JOHN A. BORNEMAN III P’52, father, and JOHN P. BORNEMAN PhD’07 (health policy), son. Other Borneman legacies include JOHN A. BORNEMAN, Sr. P’1902 (deceased); and JOHN A. BORNEMAN, Jr. P’1923 (deceased).

A USP Legacy is defined as “any alumnus or student in a family with one or more generations of USP graduates both living and deceased. This includes alumni and students who are related by marriage.”



Mercadante Family: HANNAH M. WALDMILLER PharmD’07, niece, and USP trustee EDGARDO A. MERCADANTE P’79, uncle, with USP President PHILIP P. GERBINO P’69, PharmD’70.

There are nearly 2,000 USP alumni with deeply rooted family trees. Here are some of those who participated in Legacy Society Families 2007 Commencement Photo Reception:

Costa Family

Priscilla P. Costa HS’07
Mother, Cynthia C. Jankiewicz P’98

Dowling Family

Elizabeth Dowling Farina PharmD’07
Mother, Teresa P. Dowling P’72, DPH’74
Father, Richard J. Dowling P’73

Elias Family

Christopher H. Elias PharmD’07
Sister, Ami S. Patel PharmD’06

Finocchi Family

Lauren M. Finocchi PharmD’07
Mother, Joanne Mascaro Finocchi P’80, PharmD’02
Father, James J. Finocchi P’80, MBA’04

Inverso Family

Emily M. Inverso PharmD’07
Father, Achilles J. Inverso P’73
Sister, Stephanie M. Inverso Polli PharmD’00

Jeter Family

Kendra Y. Jones PMM’07
Mother, Kristy Jeter-Gregory P’96

Karcsh Family

Jeffrey P. Karcsh PharmD’07
Father, Henry J. Karcsh P’74
Brother, Stephen H. Karcsh PharmD’05

Kotowski Family

Christopher M. Kotowski PharmD’07
Brother, Adam S. Kotowski PH/TX’02

Patel Family

Hiren Patel PharmD’07
Sister, Harsha Patel PharmD’03

Siro Family

Michael A. Siro PH/TX’07
Father, Thomas P. Siro P’78

Solanki Family

Kanan I. Solanki PharmD’07
Sister, Kajal I. Solanki PharmD’04

Stehman Family

Andrea L. Stehman PharmD’07
Father, Glenn R. Stehman C’74, MS’76
Mother, Linda Innamorato-Stehman P’76

Tassone Family

Ryan M. Tassone PMM’07
Brother, Anthony J. Tassone PMM’03

Tolis Family

Christina Tolis PharmD’07
Mother, Anastasia Tolis P’80

Weisberg Family

Benjamin P. Weisberg PH/TX’07
Father, Marc Weisberg P’81

Yelvig Family

Laura M. Yelvig PharmD’07
Father, Mukund S. Yelvig MS’76
(pharmacognosy)

Zubrick Family

Stacy L. Zubrick PharmD’07
Father, Lloyd Zubrick P’66

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Showcasing USP's Best and Brightest at Scholarly Day

BY THOMAS W. DURSO

USP 5th Annual Scholarly Day

An observer would be forgiven for thinking she'd stumbled into the poster session of a prestigious scientific conference. USP's fifth annual Scholarly Day, held in April, gave 91 of the University's brightest students the chance to do what veteran scientists do: hold their work up to the scrutiny of their peers and answer questions about methodology, results, and conclusions.

According to **SHANAZ TEJANI-BUTT**, PhD, associate dean of the College of Graduate Studies, Scholarly Day helps the University to advance a mission of intellectual discovery.

"Research is one of our priorities, and Scholarly Day is a great way to highlight those achievements," she said.

The diversity of projects on display reflected a myriad of research interests and gave visitors a vivid glimpse at possible future scientific advances. **FRANK ZYDEL** PhCog'08, for example, has been working with barley fiber to assess its toxicity to colon cancer cells.

"Many grains have phytoestrogens and other compounds in them that influence our biochemistry," said **ARA DERMARDEROSIAN**, PhD, professor of biological sciences and Zydell's advisor. "And if you take them on a continuous basis, they might ward off some disorders we might come upon as we get older."

Zydell is searching for a class of neolignans in fiber similar to lignans discovered last fall that were shown to have anticancer properties. "My goal is to isolate that—break them out of the fiber and test their activity on colon cancer cells," he said.

RACHEL FORCINO PhD'07 is studying the blended use of polymers to create scaffolds on which bone can regenerate. She is attempting to determine which methods work best to blend the biodegradable polymer PLGA with another polymer so that bone can grow over it and not be rejected by the body.

"We're using PLGA because it dissolves in the body," she explained. "You don't have to go in and remove it. As the bone regrows, the PLGA just disappears. It's an up-and-coming method, and what we're doing is looking at an additive that will hopefully reduce the body's immune response."

Tuberculosis kills more people annually than any other disease caused by a single agent. **LAURA FLINT** B'07 is attempting to isolate the microbacterial proteasome that contributes to the virulence of the causative bacterium so that it can be screened for natural compounds that might inhibit its function.

ADEGOKE ADENIJI PhD'o8 describes his poster research "The Pursuit of Potent and Selective γ -Secretase Inhibitors."



"One of the important things we found was the proteasome may not be a virulence factor," Flint said. "As the proteasome sample was getting purer and purer, our activity was getting higher and higher. Most of the activity we were getting was coming from an active proteasome."

PETRINA BOUCHER C'07 targeted HIV. Boucher is attempting to determine the best conditions for the rearrangement of sulfonanilides into compounds that have anti-HIV activity, and then use that method to synthesize novel sulfones for possible future studies.

“I wish I could finish the project before I graduate,” Boucher said. “There’s just not enough time.”

ROBERT STANCAVAGE BIn’08 is using genomic data to look at humans and their closest living relatives, chimpanzees. His novel approach is to apply state-of-the-art computational tools to detect and analyze mutations in human-chimp proteins at functionally important levels to see how the two species diverged.

“This is a cutting-edge project,” said **JAMES C. PIERCE**, PhD, chair of the Department of Bioinformatics

“Research is one of our priorities, and Scholarly Day is a great way to highlight those achievements.”

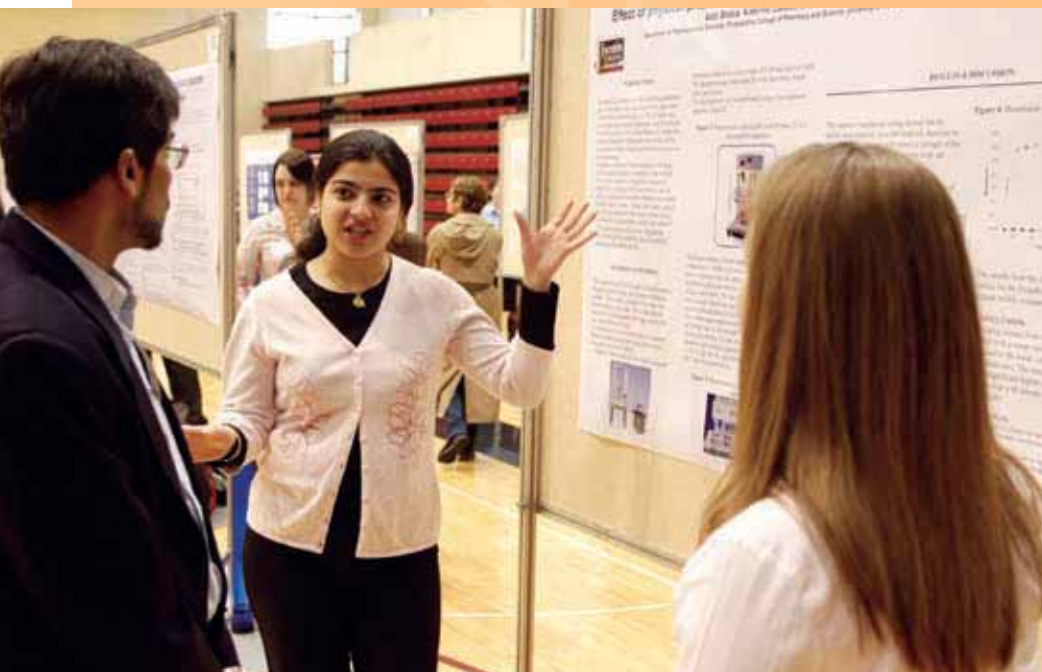
SHANAZ TEJANI-BUTT, PhD

and Computer Science and associate professor of genetics and biotechnology, and Stancavage’s advisor. “The question is, what makes us different. When you look at the genomic level, there’s not that much difference.”

In addition to the poster session, the day included four podium research presentations, an alumni panel discussion of careers in the pharmaceutical science industry, and the 20th annual John C. Krantz, Jr., Distinguished Lecture. The Krantz Lecture was delivered by Stephen L. Mayo, PhD, of the California Institute of Technology, Howard Hughes Medical Institute, and University of California School of Medicine, who spoke on computation and protein design.

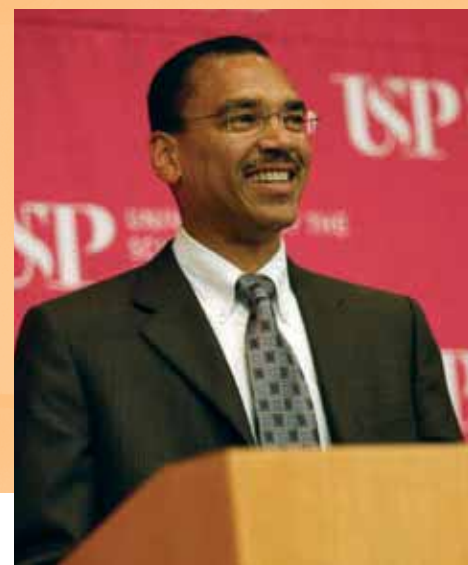
Besides showcasing research, Scholarly Day helps to foster a sense of community within the University, observed Dr. Tejani-Butt.

“The young undergraduate students are excited to talk about their research projects,” she said. “The graduate students are thrilled to showcase their original research. And faculty members are proud to partake in the achievements of their students.” **USP**



“How Physical Projectives Influence the Dissolution and Disintegration of a Solid Dosage Form” is explained by **ADITI BHATIA** PhSci’07.

A busy USP Scholarly Day was completed by the 20th Annual John C. Krantz, Jr., Distinguished Lecturer Stephen L. Mayo, PhD, who presented on “Protein Design at the Crossroads: Using Computation to Accelerate Discovery.”



Leadership Awards

BY MELISSA BASS

The office of Student Affairs held its annual Student Leadership Awards reception on Tuesday, April 17, to honor student organizations and leaders on their accomplishments at USP during the 2006–07 academic year. The outstanding students, organizations, faculty, and staff were nominated and selected by faculty and fellow students in the USP community. “These awards primarily recognize the students and the wonderful things that they do on campus throughout the year,” said LEN FARBER, MA, director of student life and leadership development.

USP would like to congratulate all of the 2007 award recipients:

Emerging Student Leader
Gary Smedley PharmD’11

Persevering Leader
Josin James PharmD’09

Outstanding Student Organization
American Pharmacists Association–
Academy of Student Pharmacists
(APhA-ASP)

Collaborative Leader Award
Mai-Chi Tran PharmD’09

Martin Luther King, Jr., Award
The Impact of Racism on Healthcare

Outstanding Multicultural Program
Kate Beishline BI’07
Women’s Week

Outstanding Community Development
First Annual Femi Memorial
3-on-3 Tournament

Outstanding Organizational Advisor
Angela Vinti, PharmD, assistant professor
of clinical pharmacy

SGA President’s Award
Eric Bachman C’08, MBA’08
Brian Kirschner, MEd, assistant director
of public relations

Resident Advisor of the Year
Erika Feulmer PharmD’09

Dean’s Award
Erika Feulmer PharmD’09
Stephen Linton BI’07
Julie Roeder PharmD’10

Student Government
Gayle Garrison, MEd,
physical education
instructor

**Outstanding Senior
Athlete Award**
Shelby Rance PharmD’09
George Strock PharmD’09

**Emerging Leadership
Workshop Certificates**
Eric Bachman C’08, MBA’08
Prachi Bhatt PharmD’10
Courtney Cavalieri
PharmD’12

Jason Chen PharmD’11
Jeanine Depasquale PharmD’11
Sarah Hallinan PharmD’12
Astride Henry PA’09
Judy Kong PharmD’12
Sean Lasota PharmD’11
Marie Milone PharmD’10
Dolagy Nossair PharmD’10
Aryanna Oliver PA’10

Michael Sacks PharmD’12
Rosen Salamat BI’09
Aditi Shukla PharmD’11
Gary Smedley PharmD’11
Andrew Ward BI’08, PharmD’11
Allen Whisler PharmD’12

**Who’s Who Among College
Students Award**
Tu-Anh Nguyen PhC’10
Gary Smedley PharmD’11



MARC CASERIO, MEd, director of the Department of Campus Recreation, (right) is congratulated by WALT W. PERRY EdD, associate dean and director of multicultural affairs, after accepting an award on behalf of the Femi Memorial 3-on-3 Tournament.

Greek Man of the Year
David Melicharek MT’08

Greek Woman of the Year
Kate Beishline BI’07

5 Star Award
Omega Chi Psi 

How SWEET It Is

USP Combines Fitness for Seniors and Community Outreach

BY LESLIE FELDMAN

Each Wednesday from October to December, Thelma Bea and 14 other members of the Southwest Community Enrichment Center, gathered at USP to improve their minds, bodies, and spirits through an exercise program developed at USP through the Department of Physical Therapy.

Known as Southwest Elderly Exercising Together (SWEET), the program is aimed at community-dwelling seniors to improve their health, sense of accomplishment, and quality of life. It incorporates both live and videotaped exercise sessions, and it enhances mobility and balance, as well as giving seniors increased confidence in their ability to achieve goals.

Bea, a coordinator of the Senior Club at the Southwest Community Enrichment Center, found the program to be most beneficial for not only physical wellness but for psychological well-being as well.

“There were 14 of us who went to the class each week, and we really looked forward to it,” said Bea. “Exercise is very important no matter what age, and going together to exercise got us out of the house and off the couch.”

CAROL A. MARITZ, PT, EdD, GCS, assistant professor in the Department of Physical Therapy, and two of her students, started the original program in 2005 at an adult day care center as a method of counteracting the negative effects of inactivity among seniors, an all-too-common health issue of the elderly. “The program was a great success, and so we decided to expand it to the community served by the University.”

SWEET consists of 10 group classes held once a week at USP with supplemental vid-

eotaped sessions of the group exercising for in-home use. Every two weeks, new videotapes provide the participants with sessions of increasing difficulty. The videotape had the dual effect of personalizing the experience and creating a method of measuring participants’ progress.

The program utilizes American College of Sports Medicine guidelines and includes warm up, stretching, strengthening of key muscle groups, general conditioning, and a cool-down period. Each session lasts approximately 45 minutes. All participants are required to obtain medical clearance before starting the program. The exercises were tailored to their acceptable level of fitness.

Certain critical factors in SWEET create benefits different from other exercise programs for the elderly. One is the issue of “self-efficacy.” Defined as “an enhanced sense of one’s own ability to reach a specific goal,” self-efficacy translates into self-confidence.

“Scientific literature tells us that those with higher levels of self-efficacy will persevere more than those with low self-efficacy,” Dr. Maritz added.

exercise sessions, “It helped the seniors become aware of some of the limitations they had that they might not have known about, mainly balance deficits leading to an increase in fall risk.”

A third component is continuity. The seniors participate in performance-based tracking, keep exercise logs of their performance at home, and measure their own perceptions of self-efficacy.

Dr. Maritz is seeking grant funding to expand the program.

“We plan to take this model and reach out to more seniors in the Southwest Philadelphia area,” she said. “I want our seniors to remain strong and vibrant




“I want our seniors to remain strong and vibrant members of our community, and this program can help them do that.”

CAROL A. MARITZ, PT, EdD, GCS

Thelma Bea (left) was one of a number of residents to benefit from the SWEET program developed by CAROL A. MARITZ, PT, EdD, GCS.

Another factor in SWEET concerns self-knowledge. According to FRANK ANTOSH MPT’07, HS’07, one of Dr. Maritz’s former students, who led the

members of our community, and this program can help them do that.”

For more information, contact Dr. Maritz at c.maritz@usip.edu. 

ALUMNI FOCUS

Shaping the World Through Science and Sculpture Martin Katz DSc'54

BY CAROL R. COOL

Dr. Martin Katz didn't turn to sculpture because his scientific career had been unfulfilling. Quite the contrary. During his quarter of a century at Syntex, Katz became, as he described it, "the uncle of the birth control pill, the uncle of Naproxen (Aleve), and the grandfather of topical corticosteroids," as he led the group that started U.S. operations and later became the senior vice president of research.

Katz left Syntex in 1985 to help establish Advanced Polymer Systems (now A.P. Pharma). As senior VP of R&D, he helped develop novel polymeric delivery systems. When he retired from the company in 1990, he didn't retire from the field. Instead, he established a consulting firm, SYNYMED, so he could share his expertise with others. It's an expertise that has led to 17 patents in his name and more than 50 patents obtained by the scientists he led.

In a nod that acknowledges both his leadership in the development of topical corticosteroids and his continued immersion in the industry, Katz received a grant last year to write a history of topical corticosteroids. Medicis, which acquired Syntex's dermatological division, provided the grant. The review article developed from his research, which covers their historical chemical syntheses, the development of efficient delivery systems, and new insights provided by molecular biology, will be published in the *Journal of Pharmaceutical Sciences* early in 2008.

So how did Katz end up as a sculptor? In the late 1980s, Katz took an art class, acting on "a long-hidden feeling that [he] could

and would like to do sculpture." After his semiretirement in 1990, he began to pursue this avocation seriously, discovering, he said, "a whole different world that enriches me."



Martin Katz DSc'54 has used his pursuit of sculpture to further enrich his life.

The scientist in Katz told him that, "I had to establish goals and targets. The first goal was: Can I render a figure realistically and

correctly enough so that when people look at it, it's an accurate rendition of a figure?" A one-man show in 1997 was proof of reaching that goal. Goal two was to improve on the figures by honing his techniques. When he felt he had done that he had no idea what goal three would be. One day while working on a sculpture, he found himself creating an abstract (not abstract) figurative sculpture, and so exploring "the planes, concavities, and convexities" of the figure became his third goal.

Katz's bronzes average 24 inches, and the clay model from which one is cast takes 40–60 hours of work. With his early bronz-

es, he worked with boutique foundries, which enabled him to be on the floor for every part of the molding and casting process. This gave him an intimate knowledge of what could be achieved, knowledge he applies even though his work is now produced at a larger commercial foundry.

His stone pieces weigh 350–400 lbs. and are usually about 3 feet tall. Each stone piece takes 120–160 hours to complete. "Sculpture," said Katz, "is usually either additive or subtractive. Additive is when there is a model in front of you and you use clay to build up a sculpture; this is the technique used in the creation of a plaster or bronze figure. Subtractive sculpture takes a big block of wood or stone and removes material until the sculpture emerges. If you

"I had to establish goals and targets. The first goal was: Can I render a figure realistically and correctly so that when people look at it, it's an accurate rendition of a figure?"

MARTIN KATZ DSc'54

do a stone sculpture copied from a clay figure, you've been both additive and subtractive; some of my stone pieces have been done that way."

It seems Katz's life has been predominately additive. Adding new treatments and delivery systems to improve medicine. Introducing the birth control pill to the U.S. market and so changing the social landscape. And contributing beauty to the world through his fluid sculptures. **USP**

To view examples of Katz's work, please visit his website at www.martelier.com.

BULLETIN BOARD

Second Annual Race for Humanity Aids Local Philadelphia School



ZACK MASINO PharmD'09 (right) and SARAH ABRAMS PharmD'11 (center) present a check to Diane L. Gallagher, director of the HMS School for Children with Cerebral Palsy, and Rich Magnuson, recreation therapist in charge of the Walnut Street Theatre program, on May 8, 2007. The money was raised by USP students from the annual Race for Humanity.

With encouraging cheers from local residents and supporters, participants of the second annual Race for Humanity took to the streets of University City on March 31 to raise money for charity. The 5K race is held to benefit a charity that supports a humanitarian effort selected by USP's Omega Chi Psi fraternity.

This year's event raised nearly \$12,900 for the HMS School for Children with Cerebral Palsy—located nearby at 44th St. and Baltimore Ave.—to fund a program called “In Our Own Voices.” The program, developed through an educational partnership with the Walnut Street Theatre as part of their Artist-in-Residence program, uses drama to help students with cerebral palsy develop abstract thinking skills, improve their peer interactions, and gain confidence and self-esteem.

USP student organizers and Omega Chi Psi members ZACK MASINO PharmD'09 and SARAH ABRAMS PharmD'11 saw over 400 runners/walkers take part in 2007, nearly twice as many participants as last year. In 2006, Race for Humanity benefited the Measles Initiative of the American Red Cross and raised \$9,000.

“Our students are amazing—especially Zack and Sarah. The time and effort they put into organizing the race was nearly a full-time job,” said MARY KATE MCGINTY, associate vice president for

community and government relations. “They and all the other student volunteers made this race a tremendous success—not because they had to but because they wanted to.”

As part of a class unity-building project, fourth-year PharmD students recruited fellow class members to run in the race. The group of students showed their class spirit by wearing special bright blue t-shirts designed specifically for the event.

USP President PHILIP P. GERBINO P'69, PharmD'70 acted as master of ceremonies and presented medals to the first-place finishers in each of nine age groups. Along with the race, the event hosted a raffle that included tickets to a Phillies game; autographed sports memorabilia from the Sixers, Soul, and Kixx; and gift certificates for local businesses.

Additional contributions for the race were provided by USP's Student Government Association as well as by race advisors McGinty, MARC CASERIO, MEd, acting director of the Department of Fitness and Wellness, and LIZZ GABLE, director of the Center for Community Connections.

And the Winner is...USP Eastern Technology Council will recognize USP with Enterpriser Award

The Eastern Technology Council (ETC) will recognize USP with its Enterpriser World-Class Talent Award at the 2007 Enterprise Awards black-tie gala, which will take place on Thursday, December 6, 2007, at the Kimmel Center for the Performing Arts, in Philadelphia. This award, sponsored by Wyeth, is given each year to recognize the extraordinary achievements of an individual, a company, or an institution.

“USP embodies the definition of our Enterpriser Award,” said Dianne Strunk, CEO of the Eastern Technology Council. “[The University exhibits] world-class talent in its unwavering commitment to life sciences education.”

USP's mission to educate students to become leaders and innovators in the sciences, the health professions, and emerging related disciplines was a strong factor in the ETC's selection.

“It is our honor to be a part of an organization that unites technology and life sciences companies in the region. As such, USP strives to produce students capable of being the next thought leaders and professionals for the industry,” said USP President PHILIP P. GERBINO P'69, PharmD'70.

Membership Has Its Privileges



An exclusive group of freshman was inducted into the USP chapter of Alpha Lambda Delta (ALD) National Honor Society for First Year Students on April 13.

“We have 105 students who have attained a 3.5 GPA and are in the top 20 percent of their class,” said Kevin Wolbach, instructor of biology and ALD advisor. “ALD is open only to freshman who have met the criteria in the first semester of their freshman year.”

USP’s Alpha Lambda Delta chapter is led by President **DWIGHT BOWEN PharmD’11**. 2007 officers include President **PREYANKA MAKADIA PharmD’12**, Vice President **THOA K. HUYNH PharmD’12**, Secretary **AMI ELIZABETH ZELLEFROW PharmD’12**, Treasurer **SARAH A. HNESH PharmD’12**, and Student Government Representative **ALLEN G. WHISLER PharmD’12**.

DVSF Winners Personify the Future of Science



USP was proud to once again support the Delaware Valley Science Fairs (DVSF) as a major sponsor in 2007. In addition to offering scholarships, the University supports the event with an in-kind donation of public relations assistance, as well as offering workshops for parents and teachers. On Friday, April 6, CN8 broadcast live from the McNeil STC with some of the top winners. DVSF is not the kind of science fair you may remember. There are no potato-powered clocks or volcano models among the entries from middle and high school students in the tristate area of southeastern Pennsylvania, southern New Jersey, and Delaware. Instead, winning entries included “The Dark Side of Growth Factor and Hormonal Therapy for Breast Cancer Treatment,” “On Shaky Ground: Probing Proximal Seismites within the Epicenter of a Cretaceous Earthquake,” and “H5N1 Influenza, A Mathematical Study.” The winners competed at the Intel International Science and Engineering Fair in Albuquerque, New Mexico, in May where high school freshmen through seniors from 49 foreign countries and 46 states competed.

PA Club Presents Check to ALS Chapter



On Tuesday, April 10, the Physician Assistant Club presented “A Night of Awareness” at the McNeil Science and Technology Center. Guest speakers from the ALS Foundation were present to give a lecture on the cause and diagnosis of amyotrophic lateral sclerosis (ALS), often referred to as “Lou Gehrig’s Disease.” USP was honored to host the family of **MARIA LORD PA’08** whose father-in-law, Richard, passed away from the disease. A check in the amount of \$2,500 was presented to the ALS Greater Philadelphia Chapter in Richard Lord’s name. The PA Club raised the money through bake sales, flower sales, a volleyball tournament, and various other fundraisers.

Extra, Extra—Read, Listen, and Watch All About USP



Dr. PAULA KRAMER, PhD, OTR, FAOTA, chair of the Department of Occupational Therapy, taped a segment with CN8's Janet Zappala to talk about gardening tips. The piece aired on June 27 as part of *Art Fennell Reports*.

From the *Wall Street Journal* to the *Philadelphia Inquirer* and from KYW Newsradio to CN8, USP has it all covered. Here is a small sampling of some of the news stories in the past few months featuring USP:

- *Wall Street Journal*: “Genetic Tests Pose Tailored Care” on February 14, quoted ROBERT FIELD, JD, MPH, PhD, chair of the Department of Health Policy and Public Health, on the potential explosion of genetic technology.
- *Philadelphia Inquirer*: PATRICIA M.S. PETERSON, MEd, director of the Department of Career Services, was cited in the April 22 front-page story, “Colleges expect 20% rise in hiring,” on the shortage of students for all of the positions available.
- 2007 Commencement Coverage: Both WCAU Channel 10 and WPVI Channel 6 had cameras rolling on May 23 as USP’s newest graduating class received its diplomas.
- KYW 1060 Newsradio: For the April story “Some Advice To Help You Through Allergy Season,” DANIEL A. HUSSAR P’62, MS’64, PhD’67, Remington professor of pharmacy, gave cautions about OTC medications during allergy season.
- Pet Food Crisis: In March, when the pet food scare was breaking and first reports indicated that the powerful chemical aminopterin was involved, KYW Newsradio and WPVI Channel 6 called on PETER HARVISON, PhD, professor of pharmacology and toxicology, to explain the history of the chemical and its toxicity.

To read, watch, or listen to the above examples and more, visit www.usip.edu/smc/in_the_news.shtml.

Security Upgrades Provide Peace of Mind

In consideration of the events surrounding the Virginia Tech tragedy in April, USP is among the thousands of university communities that have affirmed and evaluated security and crisis management procedures. Maintaining the ongoing safety and security at USP is of the utmost concern. Here are a few of the new security measures and initiatives both completed and underway:

- Since the beginning of 2006, uniformed Philadelphia police officers have been patrolling USP’s campus between 6 p.m. and 2 a.m. daily.
- In September 2006, new, more powerful streetlights were unveiled on campus streets as part of a University City District initiative to improve visibility.
- In an effort to evaluate USP’s entire internal security operation, the University hired an outside security consultant who visited campus from January 24 to 26. As a result of the security consultant’s report, the University has been taking immediate and focused action on the recommendations.
- In February 2007, the phone system was upgraded with enhanced 9-1-1 capabilities.
- Early this year, our security personnel were outfitted with new uniforms that make them more visible.
- We are in the process of installing a card swipe system on one front door of every USP building along with additional security cameras.
- The University, by the fall semester, will be able to transmit real-time messages to all campus TVs, post RSS feeds to its portal and websites, and send text messages directly to mobile devices and PCs.
- The USP Student Early Intervention Response Team (SEIRT) provides proactive strategies and tools to address concerns about and support for students.

The University is continually evaluating its security and safety procedures and practices so that it can be prepared for emergencies. To learn more, visit www.usip.edu/security.

BERNARD “BEN” D. GOLLITTI, who was named executive director of public safety in July 2007, brings 20 years of higher education, industrial, event, and public safety security services and operations experience to USP.



Search Underway for Two Deans

Before the boxes in his new office are even unpacked, **M. GARY SAYED**, PhD, provost and senior vice president for academic affairs, will be engaged in searches to replace the deans for the College of Health Sciences and Misher College of Arts and Sciences.

Dr. Sayed will turn his attention first to the College of Health Sciences where, since 1998, **RUTH L. SCHEMM**, OTR/L, FAOTA, EdD, has served as the interim then official dean. Dr. Schemm announced in November that she would return to the classroom full-time at USP.

“Guiding the learning of students using course design, an understanding of the literature, and activities developed to promote student appreciation for a subject still interests me” said Dr. Schemm, who also helped establish the Department of Occupational Therapy and was acting director for the health policy program.

Joining the faculty of the Department of Health Policy and Public Health, she will

act as interim director of the MPH program and take on responsibility for the bachelor’s program in health sciences.

“Through Dr. Schemm’s contribution, the College of Health Sciences enjoyed continuous growth, including the transformation of physical therapy to the DPT degree. We look forward to her continued contributions to USP,” Dr. Sayed said. “As for the next dean, we are searching for a dynamic leader who has a strong scholarly background and a vision to move the college forward to the next phase.”

Dr. Sayed will also look to find a permanent replacement for **C. REYNOLD VERRET**, PhD, former dean of Misher College of Arts and Sciences, who left after five years at USP to assume the provost position at Wilkes University.

For the next two academic years, while a search for a permanent dean commences during the 2008–09 academic year, **SUZANNE MURPHY**, PhD, will

fill the role of interim dean.

“Suzanne’s long record of commitment to USP, and her knowledge of the workings of

Misher College as the associate dean, will contribute fresh perspectives and many strengths to USP’s administration,” said Barbara Byrne, PhD, former senior vice president for academic affairs. “It will also bring stability to the college during a time of transition in the academic leadership at USP.”

Dr. Murphy has been a faculty member in biological sciences at USP since 1985 and associate dean of Misher College since 2005. Dr. Murphy also serves as director of pre-health professions programs and is an executive officer of the National Association of Advisors for the Health Professions.



SUZANNE MURPHY, PhD

Dinner Etiquette 101



Sylvie Galiazzi explained the dos and don’ts of a business meal to USP students.

University of the Sciences in Philadelphia students put down their writing utensils and picked up the proper eating utensils at an etiquette demonstration and reception hosted by Career Services on April 9. The future leaders of industry from a variety of majors attended in their best business attire to hear President **PHILIP P. GERBINO** P’69, PharmD’70 and Sylvie Galiazzi, formerly with the Ritz Carlton and now owner of Les Crepes restaurant in Collingswood, N.J., explain the dos and don’ts of proper etiquette at a business meal. Topics at the reception ranged from how to properly shake hands to how to decipher a table setting.

Hear Ye, Hear Ye: Yelvigi Ends Speaker of the House Term

LAURA YELVIGI PharmD’07 recently completed a turn as 2006–07 Speaker of the House of Delegates in the American Pharmacists Association–Academy of Student Pharmacists (APhA-ASP). Yelvigi ascended to the role in January after the speaker at the time stepped down. She had previously served as a member-at-large in 2005–06. Along with four other national officers, she represented the 26,000 student pharmacist members of APhA. “My goal was to ensure that the views and opinions of the student members were unified.” She attended the 2007 APhA Annual Meeting, where she served as chair to the APhA-ASP House of delegates, served as an APhA-ASP Delegate to the APhA House of Delegates, and conducted the Student Political Information Network (SPIN) Workshop. Yelvigi is currently working in Regulatory Affairs for Bayer Healthcare in Morristown, New Jersey.

SPORTS IN SHORT



On Target For Success

COURTNEY CAVALIERI PharmD'11 had never fired a rifle, never mind competed competitively, before she came to USP two years ago. Since then, the former Highland (New York) High School valedictorian has become the top shooter on the USP women's rifle team.

"Courtney is one of a handful of shooters I've had over the years that did not initially come out for the team but developed into a successful shooter," said **PAUL KLIMITAS**, MEd, head rifle coach and chair of the Physical Education Department. This handful of shooters includes **PETE DALIDOWICZ** C'90, PhD, assistant rifle coach, who later became a team captain.

Last September, Cavaliere competed in her first match, shooting a 386 in smallbore and a 458 in air rifle. In each subsequent match, her scores improved, and she led the Devils to two Mid-Atlantic Rifle Conference Championships in both smallbore (486 average) and air rifle (508.4 average).

Yet, there is more to Cavaliere than competing. She is entering her first professional year in the PharmD program, sporting a 3.44 grade point average and was named to the 2007 College Rifle Coaches Association All-Academic All-American Rifle Team.

In addition, she had the opportunity to present a paper at the 22nd annual National Undergraduate Literature Conference at Weber State University in Ogden, Utah, in April. Cavaliere's paper, titled "Please Stop Talking: Deteriorating Relationships in the Short Stories of Ernest Hemingway" was read aloud in a panel discussion on Hemingway. "This was a great experience for me," Cavaliere said. "I was glad I had the opportunity to represent USP."

Cavaliere looks forward to competing on the rifle team again next season and continuing her success in the classroom. "I'm happy with my GPA. In high school I concentrated on getting all A's, but here, I've learned that it's okay to get a B-. I value the one-on-one contact I have with the teachers here; plus I love living in the city."

Top Honors

SHELBY RANCE PharmD'09 has been named the 2006-07 Central Atlantic Collegiate Conference (CACC) Female Scholar Athlete of the Year. A four-year starter on the women's basketball team, Rance became the Devils' all-time leading scorer with 1,939 points. She was also a four-year member of the USP women's cross country team and has been named to the dean's list in each of her eight semesters.

More Academic Honors

AMANDA BEDWAY PharmD'10 was named the *Philadelphia Inquirer's* Academic All-Area Women's Tennis Performer of the Year. She has led USP to consecutive CACC playoff appearances. She was 8-6 for the season in singles and has a career mark of 25-10. **TYLER WEISEL** PharmD'10 was named to the *Inquirer's* Academic All-Area Men's Tennis Team. Weisel, who also earned a spot on the Academic All-Area team last year, plays No. 1 singles and No. 1 doubles for the Devils. He was 12-3 this season in singles with a career mark of 27-10.

2007 Softball Accolades



MEGAN TRIMBLE PharmD'08 and **SARINA LAVOYO** DPT'09 were named to the CACC All-Conference Women's Softball Team as first team selections. Earning All-CACC honors for the third time in four years, Trimble led the Devils with a batting average of .437, three homeruns, and 26 runs batted in. Lavooy earned all-conference honors for the second consecutive year. She was second on the team in batting with a .387 average and tied the USP single season record for hits with 46.

Trimble and **LAURA FLINT** PharmD'10 were named to the 2007 College Sports Information Directors of America (CoSIDA) College Division Academic All-District II Softball team as third team selections. Flint, a pitcher, finished her USP softball career with 16 wins and a 3.96 ERA and is the all-time strikeout leader with 256.

Baseball All-Conference Teams

JUSTIN DEVINCENZO PharmD'09 and **PHILIP MAHER** PharmD'10 have been named to the Central Atlantic Collegiate Conference (CACC) All-Conference Baseball Team as second team selections. The 2007 season marks the first time since 2003 that the Devils have had two second team all-conference selections in the same season. Maher, who was named as utility player, batted .311. DiVincenzo led the team with a .330 batting average and was named as the team's third baseman.

Spring All-Academic Team Selections

The Central Atlantic Collegiate Conference (CACC) named 10 USP students to the 2007 spring All-Academic team. **MICHAEL DEVINCENZO** PharmD'09 (baseball), **RALPH CAMERON** PharmD'09 (golf), **SAMANTHA LAVOYO** DPT'09 and **LAURA FLINT** PharmD'10, both members of the softball team, are all three-time recipients. Softball player **SHANNON ROTH** PharmD'11 is a two-time recipient. In addition, **BRITTANY EBERSOLE** C'09 (softball), **ASHLEY TOBIN** PharmD'11 (softball), **DANIEL STORMS** PH/TX'08, PharmD'10 (baseball), **LAUREN WALLIS** PharmD'11 (golf), and **ADAM STRITTMATTER** BI'08 (golf) are all first-time recipients.

To receive this honor, students must have participated in a spring CACC Championship sport, be at least a sophomore academically and athletically, have been a student at their current school for at least two semesters, and achieve a cumulative grade-point-average of 3.50 or higher through the preceding semester.

CLASS NOTES

1950

WILLIAM G. GILLESPIE P'50 recently took part in the city of St. Joseph, Michigan's Mayors' Tribute. Gillespie served as mayor of St. Joseph from 1990 to 1993 and on the city commission from 1974 to 1993. During his tenure as mayor, he was responsible for initiating cleanup of a former foundry site and forming the Parks Advisory Board.



1951

NATHAN BRILLMAN P'51 received his medical degree from Jefferson Medical College, not Jefferson Community College, as was reported in an earlier issue of the *Bulletin*. He and Alvin M. Pressman P'51 (DO'66, PCOM), Herbert A. Brill, Gerald J. Brodsky, and Murray M. Sandler (all P'51) still enjoy a close friendship. They and their wives often meet for dinner and have spent New Year's Eve together for at least the last 20 years.

1957

HOWARD D. ZIPPER P'57 (MD'64, New York University) recently retired from practicing otolaryngology. He lives in Florida where he enjoys golf, croquet, boating, and time with his wife and five grandchildren.

1966

SAMUEL LIZERBRAM P'66 (DO'70, Des Moines University) was recently reelected to the board of trustees of the Pennsylvania Osteopathic Medical Association (POMA). He is a physician at the Somerton Medical Building and is an attending physician at Frankford Hospital, both in Philadelphia.



1970

JOSEPH L. FINK III P'70 (JD'73, Georgetown University) received the President's Award for Diversity at the University of Kentucky on April 12, 2007. He has been at the university since 1981 and is currently a professor of pharmacy law and policy.

1973

BETTY (UNKELBACH) CIESLA MT'73 (MS'90, Towson State University) recently saw the publication of her textbook *Hematology in Practice* by F.A. Davis Company.

1976

MICHAEL J. ZAWISZA P'76 (DO'86, PCOM) was recently reelected to the Pennsylvania Osteopathic Medical Association (POMA) board of trustees. He is medical director of Covenant Home Health Care and Hospice in Pottsville, PA, and is also an associate clinical professor at Philadelphia College of Osteopathic Medicine.



1977

EDWARD J. DONNELLY P'77 has been named Preceptor of the Year by the 2007 graduating class of Temple University's School of Pharmacy. He is a pharmacist at Target and lives in Abington, PA, with his two children and wife of 25 years.

CINDY (WORSLEY) HAMILTON PharmD'77 has been reelected treasurer of the American Medical Writers Association. She is principal of Hamilton House, a medical writing and editing firm in Virginia Beach, VA.

1991

BRIAN D. VUKOVICH P'91 and **KRISTIN (YIENGST) VUKOVICH P'92** announced the birth of son Aidan Greer, born on February 24, 2007. He joins big brother Bryce David (8) and sister Regan Kay (4).

1992

SANDEEP S. MATHUR P'92 married Kelly Ward at Silver Creek Country Club in Hellertown, PA, on October 9, 2004. They welcomed daughter Regina Marie on January 29, 2007. Mathur and Ward both work for Ortho-McNeil Pharmaceutical. Mathur is a senior scientist in global technical operations, and Ward is a manager in new products quality assurance. They live in Furlong, PA.

1996

SHARON (BIELEND) DYBICZ PharmD'96 and her husband Tony welcomed the birth of son Andrew Joseph on February 13, 2007. **SUSAN (BIELEND) BRUNNER P'91** is the proud aunt. Sharon is director of clinical development at Omnicare Senior Health Outcomes, and Tony is a project engineer at Merck. The family lives in Spring City, PA.

GINEVRA (OLSHEFSKY) GRANT MPT'96 and her husband Scott announced the birth of daughter Kelly Amber on August 5, 2005. She joins big sister Jessica. Ginny is a staff physical therapist for Progressive Step Rehab in Frackville, PA.

1998

ANNE E. GIORDANO P'98 (PharmD'04, MBA'06, University of Florida) and Jaime Arvizu were wed on October 23, 2004. They reside in Miramar, FL.

JENNIFER (PAUL) STRAUSS P'98 and **STEPHEN P. STRAUSS P'95** welcomed son Jaxson Paul on September 25, 2006. He joins big brother Carter (4). The family lives in Lehighton, PA.



2002

JANELLE (MUMMERT) HISSONG MPT'02 and her husband Chad welcomed daughter Ava Jenae on September 14, 2006. She joins big brother Caleb. Janelle is a per diem therapist for Genesis Healthcare. She and her family live in Limerick, PA.

2003

SONJA (LOGAN) ZEEK PharmD'03 and her husband Mike are moving to Thailand, where Mike will carry out his missionary work with the Hmong people. For more information, go to www.amongthemong.com.

2006

MEGAN A. MINCHIN B1'06 has been accepted into the University of Pennsylvania's School of Veterinary Medicine and will begin classes in the fall of 2007.

RICHARD A. PACKARD PharmD'06 and his wife Leslie announced the birth of son J.P. Losman Packard on December 2, 2006. The family resides in Philadelphia, where Richard works as a pharmacist for CVS.

IN MEMORIAM

EIGHTIES

ANDREW J. HORVAT P'82 died of leukemia on January 8, 2007, at the Hospital of the University of Pennsylvania. He worked for Rite Aid for 24 years and is survived by his wife Karen and children Andrew, Katie, Nicholas, and Leah.

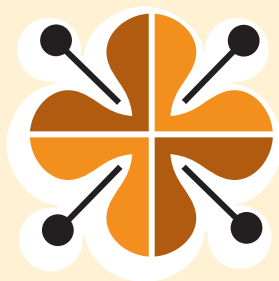
Join USP alumni, students,
parents, and friends to celebrate
USP pride at **Fall Fest!**

Saturday, September 29

- Activities hosted by the Colleges
- Student Organizations Carnival
- Legacy Society Reception
- Reunion Reception for All Classes and Colleges
- Golden Graduate (50 years) Dinner and Ceremony
- Silver Graduate (25 years) Dinner and Ceremony
- Alumni Awards
- Multicultural Show

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www.usip.edu/fallfest

ALUMNI EVENTS



“If we want our alumni to remain involved in the life of the university, we need to remain involved in, and relevant to, the lives of our alumni.”

STACY M. ROSEMARIN P'83



Left to right: Rina Kelley P'78, Riolama M. Lorenzo-Lasa HS'06, and Mrs. Kelley together after Lorenzo-Lasa's performance on Saturday, February 10, 2007. Lorenzo-Lasa is a principal dancer with the Pennsylvania Ballet.



Appointed to the California Board of Pharmacy by California Governor Arnold Schwarzenegger, Bob Graul P'69 is shown here being sworn in on February 14, 2007, by Charlene Zettel, then director of the California Department of Consumer Affairs.



Left to right: Ruth Brown P'71, BW'06 and Pat Croce, physical therapist, entrepreneur, and inspirational speaker, pose for a photo at Chickie's and Pete's in South Philadelphia after talking about old times at Taylor Hospital.



Alumni guest speaker Jay Sochoka P'94 (back row, sixth from right) stands with USP students and members of the Pi Lambda Phi fraternity, who sponsored the talk, after speaking on “Prevention in Profession and Self.”

**California Pharmacists Association Reception
February 17, 2007, Palm Springs, CA**



Left to right: Stacy Rosemarin P'83, Bill Van Horn (friend of USP), and Joe Kotansky P'73.



Left to right: Tony Mazzucca P'70; John Gans P'66, PharmD'69; Jerry Mazzucca P'67; and Dan Hussar P'62, MS'64, PhD'67 get together to honor Jerry, who was inducted as president of the organization for 2007–2008.



William Young P'90 with wife June and sons (left to right), JJ, Rex, and Marcus.



Left to right: Betty Harris P'75 and Anthony Silvagni P'63, MS'66 at Nova Southeastern University, where Tony is dean of the College of Osteopathic Medicine and Betty is assistant dean of experiential education and student services.

**Advances in Pharmacy CE Seminar
February 25, 2007, USP Campus**



Left to right: Bob Spera P'88, Jeannette Pascuzzi Heacock P'84, Pat Colaizzi-Cosler P'80, and Bob Cosler (friend of USP).



Left to right: Alan Goldstein P'63, Becky Brecker P'61, and Rich Rubin P'57.

American Pharmacists Association
(APhA) Annual Meeting
March 19, 2007, Atlanta, GA



Femi Memorial 3-on-3 Basketball Tournament
March 24, 2007, USP Campus



Left to right: Gene Willard PharmD'07, Jeff Willard PMM'04, Blake Starr PharmD'03, and Brandon Starr (friend of USP).



Jamie Barvinchak PA'07 (second from right) with fellow PCOM team members.

Kappa Epsilon Reunion
March 30, 2007, Brigantine, NJ



Left to right: Stacy Rosemarin P'83, Patty Sullivan Haider P'81, Robin Soifer Keyack P'81, Joan Wein Thompson P'81, and Lori Lock Wunder P'81.

Target/PCP Alumni Dinner
March 25, 2007, Cuba Libre, Philadelphia, PA



SCHOLARLY ACTIVITY

SYMBOLS

Faculty and staff = ♦

Alumni = ✱

Current Student = ★

ADVANCED CONCEPTS INSTITUTE

Poster Presentations

JOSHUA J. SPOONER♦, MATT GROESBECK♦, et al., "Projected Cost Savings to Third Party Payers for the Year Following Generic Simvastatin and Pravastatin Availability in the U.S." at the International Society for Pharmacoeconomics and Outcomes Research Annual International Meeting in Arlington, VA, May 19–23.

JOSHUA J. SPOONER♦, et al., "A Cost-Effectiveness Analysis for Prophylactic Therapies Against Air Traveler Thrombosis" at the International Society for Pharmacoeconomics and Outcomes Research Annual International Meeting in Arlington, VA, May 19–23.

Publication

JOSHUA J. SPOONER♦, "Medication Therapy Management Programs: When Will the Outcomes Come Out?" commentary in *Journal of Managed Care Pharmacy*, 13:276–7, 2007.

COLLEGE OF GRADUATE STUDIES

Presentations

ROBERT FIELD♦, panelist on "The Politics of Health Information" at the Annual Meeting of the Medical Library Association in Philadelphia, May 21.

MICHAEL MARCHETTI♦, "Broadening the Vision: Building an Infrastructure to Support Enrollment Growth" at the National Association of Graduate Admissions Professionals (NAGAP) Annual Conference in Orlando, April 25–28.

RICHARD STEFANACCI♦

- "Medicare Medication Management in Long Term Care" at the Annual Leadership Summit on Medicare in Washington, DC, May 8.
- "Assisted Living Facility Clinical Practice Update" at the American Geriatric Society in Seattle, May 6.
- "Medicare Update" at the American Geriatric Society in Seattle, May 3.
- "Medicare Part D Update" at the Connecticut Chapter of the American Society of Consultant Pharmacists Senior Symposium in Foxwoods, CT, April 27.
- "Alzheimer's Disease Management Update" at the American Medical Directors Association in Hollywood, FL, March 13.

Publications

ROBERT FIELD♦, "America's Drug Abuse Problem Increasingly Starts in the Medicine Cabinet," *Pharmacy and Therapeutics*, 32(6), June 2007.

RICHARD STEFANACCI♦

- "Medicare: Overtaxing Health-care Providers," *Clinical Geriatrics*, 15(3):22–24, 2007.
- "Medicare: Reimbursement Politics," *Clinical Geriatrics*, 15(2):9–13, 2007.
- "Medicare: Reimbursement Politics," *Annals of Long Term Care*, 15(2):12–16, 2007.
- "Let's Not Lose Sight of Residents' Visual Health," *Assisted Living Consult*, 3(2):23–26, 2007.
- "Check Please!" *Assisted Living Consult*, 3(2):9–11, 2007.
- "Why Many American Children Won't Be Seeing a Geriatrician," *Medicare Patient Management*, 2(2):26–29, 2007.
- "Consumer Driven Primary Healthcare," *Medicare Patient Management*, 2(2):8–11, 2007.
- "Catered Living," *Assisted Living Consult*, 3(1):8–9, 2007.

RICHARD STEFANACCI♦

et al., "The Application of Evidence-Based Principles of Care in Older Persons: Alzheimer's Disease," *Journal of the American Medical Directors Association*, 8:183–193, 2007.

COLLEGE OF HEALTH SCIENCES

Poster Presentations

PAMALYN KEARNEY♦, "Literacy, Health Literacy, and the Impact on the Health of Older Adults" at the American Occupational Therapy Association Annual Conference in St. Louis, April 20–23.

PAULA KRAMER♦, ROGER IDEISHI♦, PAMALYN KEARNEY♦, MICHELLE COHEN♦, JOANNE AMES♦, et al., "Learner-Centered Teaching Techniques as a Means of Achieving Curricular Themes" at the American Occupational Therapy Association Annual Conference in St. Louis, April 20–23.

GREGORY THIELMAN♦

"Upper Extremity Control Thematic Poster Presentation—Rehabilitation of Reaching After Stroke: One Year Follow-up" at the American Physical Therapy Association Combined Sections Meeting in Boston, February 14–18.

Presentations

MICHAEL JOHNSON♦, STEPHEN METRAUX♦, "Impact of the Outpatient Therapy Cap and the Medicare Physician Fee Schedule on Individuals with Musculoskeletal Conditions: An Analysis from 1997 to 2000 Using the Medical Expenditure Panel Survey" at the Annual Conference of the American Physical Therapy Association in Boston, February 14–16.

PAMALYN KEARNEY♦, ROGER IDEISHI♦, “Service Learning Embedded within a Curriculum: In Confronting Race in the Classroom & Community with Health Science Students” at the American Occupational Therapy Association Annual Conference in St. Louis, April 20–23.

CAROL MARTIZ♦, “Using a Pictorial Assessment Method to Measure Student Learning” at the American Physical Therapy Association Combined Sections Meeting in Boston, February 14–18.

STEPHEN METRAUX♦, et al., “Incarceration & Homelessness” at the National Symposium on Homelessness Research sponsored by the United States Department of Housing & Urban Development and the United States Department of Health and Human Services in Washington, DC, March 1–2.

LORA PACKEL♦, “Making Exercise Accessible and Interactive through the Internet” at the American Physical Therapy Association Combined Sections Meeting in Boston, February 14–18.

SUSAN WAINWRIGHT♦, “Novice and Experienced Physical Therapy Clinicians: A Comparison of Decision Making Abilities” at the American Physical Therapy Association Combined Sections Meeting in Boston, February 14–18.

Publication

STEPHEN METRAUX♦, et al., “Assessing Residential Segregation Among Medicaid Recipients With Psychiatric Disability in Philadelphia,” *Journal of Community Psychology*, 35(2): 239–256, 2007.

DEPARTMENT OF STUDENT AFFAIRS

Grant

PAUL FURTAW♦, GEORGE DOWNS♦ received an \$18,500 Research Grant from Endo Pharmaceuticals for “Internet-Based Prescription Drug Misuse Survey for Philadelphia College of Pharmacy Students,” conducted in conjunction with Inflexxion, Inc.

Poster Presentation

GEORGE DOWNS♦, PAUL FURTAW♦, et al., “An Internet-Based Survey of Pharmacy Student Prescription Drug Misuse” at USP Scholars Day, April 19, and accepted for presentation at American Association of Colleges of Pharmacy (AACP) Annual Meeting in Orlando, July 15–16.

Presentation

AMINTA HAWKINS-BREAUX♦, WILLIAM CUNNINGHAM♦, PAUL FURTAW♦, “Student Early Intervention Response Team (SEIRT): A Collaborative Strategy for Supporting Students with Behavioral and Emotional Needs” at the Delaware Valley Student Affairs Conference in Lafayette Hill, PA, February 16.

MISHER COLLEGE OF ARTS AND SCIENCES

Award

NATALIA COLEMAN★, ADEBOYE ADEJARE♦, \$100,000, WBT Pharmaceuticals, “Investigation of Anticancer Properties of an Herbal Preparation.”

Poster Presentations

DANNY BENAUF♦, “A Day in the Life of a Full-Time Asynchronous Online Professor in 2006” at the Lilly East Conference on College and University Teaching at the University of Delaware in Newark, April 13.

PETER JANIS★, STEPHEN MOELTER♦, et al., “Proactive Interference in Schizophrenia: Correlates with Regional Brain MRI and Cerebral Metabolism” at the Annual Meeting of the Association for Psychological Science in Washington, DC, May 26.

NEENA MAJUMDAR★, GINNENE MIDDLETON♦, EVAN COOKE★, DANIEL R. MARENDA♦, “*Drosophila* Importin-7/Moeskin Alters Delta/Notch Expression and Activity in the Developing Wing” at the Genetics Society of America 48th Annual *Drosophila* Research Conference in Philadelphia, March 7–11.

NEENA MAJUMDAR★, DANIEL R. MARENDA♦, “Phenotypic Effect of the Over-Expression of Ras/MAPK Components in the Developing *Drosophila* Wing” at the Genetics Society of America 48th Annual *Drosophila* Research Conference in Philadelphia, March 7–11.

STEPHEN MOELTER♦, “Student Impressions of Self-Correcting Multiple Choice Exams in Cognitive Psychology” at the

Teaching Institute of the Annual Meeting of the Association for Psychological Science in Washington, DC, May 24.

STEPHEN MOELTER♦, et al., “Emotional Sequelae of Sports-Related Injuries: Concussive and Orthopedic Injuries” at the Annual Meeting of the International Neuropsychological Society in Portland, OR, February 2007.

Presentations

SALAR ALSARDARY♦, PHYLLIS BLUMBERG♦, “Interactive, Learning-Centered Methods of Teaching Upper Level Mathematics Courses” at the Lilly East Conference on College and University Teaching at the University of Delaware in Newark, April 13.

MICHAEL BRUIST♦, “It’s Alive! Animated IHF” at the symposium “Cellular Responses to Environmental Changes: Genomics, DNA Rearrangements, and Signal Transduction” at the Scripps Institution of Oceanography at LaJolla in San Diego, May 5. This was a special symposium to honor Dr. Melvin Simon for his 70th birthday.

BERNARD BRUNNER♦, “Using Multiple Active Learning Techniques in Introductory College Physics with Assessment of Problems and Outcomes” at the Lilly East Conference on College and University Teaching at the University of Delaware in Newark, April 13.

SUSANNA DODGSON♦, DANNY BENAUF♦, “Regulatory Writing: Turning Information from Treatment Development into Regulatory Knowledge” for the Philadelphia Chapter of the Regulatory Affairs Professionals Society in Philadelphia, March 22.

ANNE MARIE FLANAGAN♦, “Crossing the Border between Text and Film: Machiavelli’s *The Prince* and Shekhar Kapur’s *Elizabeth*” at the Association for Core Texts and Courses Conference in Williamsburg, VA, March 31.

CHRISTINE FLANAGAN♦ was the faculty sponsor for **COURTNEY CAVALIERI**★ who presented scholarly research in literature (Paper title: “Please Stop Talking: Deteriorating Relationships in the Short Stories of Ernest Hemingway”) at the National Undergraduate Literature Conference at Weber State University, Ogden, UT, April.

PAUL HALPERN♦, “Einstein’s Viscous Advice Flowed Freely Nevertheless” at the American Physical Society Meeting in Jacksonville, FL, April 14–17.

ASHWINI KHANNA★, **SUZANNE MURPHY**♦, **MARGARET KASSCHAU**♦, “Cortical and Medullary Kidney Cells: A Comparative Study of Acute Response to Hypertonic Stress” at the 18th Annual St. Joseph’s University Student Research Symposium and USP Scholarly Day, April.

RYAN MAREK★, **SUZANNE MURPHY**♦, “Heat Shock Protein 70 and the Role of Protein Kinase C in Oncogenic Transformation” at Thomas Jefferson University Sigma Xi and USP Scholarly Day, April.

PETER MEEK♦, “Shape Signatures: Computer Aided Drug Design from a Nonspecialist Viewpoint” at the Conference and Expo of International Drug Discovery Science and Technology in Shanghai, China, May 28–June 5.

ALISON MOSTROM♦, “Using Conceptual Diagram/Maps to Promote Deep, Meaningful Learning in the Classroom” at the Lilly East Conference on College and University Teaching at the University of Delaware in Newark, April 13.

SHENGGUO SUN★, **ADEBOYE ADEJARE**♦

- “Syntheses and Pharmaceutical Profiling of Novel NMDA Receptor Antagonists” at the 39th Middle Atlantic Regional Meeting of the American Chemical Society in Collegeville, PA, May 16–18.
- “Syntheses and Anticonvulsant Activities of Novel PCP Analogs” at the Philadelphia Pharmaceutical Forum, American Association of Pharmaceutical Scientists Meeting in Amber, PA, March.

Professional Activity

KIM ROBSON♦ was in a play called the *Ozona Project* that was performed at the Shubin Theater and was part of the Philadelphia New Play Festival in February. She also performed in the *Belles of Dublin* at the Society Hill Playhouse in Philadelphia, March 16–18.

Publications

CHRISTINE FLANAGAN♦, “Return to Ithaca” (short story), *Philadelphia Stories* magazine, Spring 2007.

GINA KAISER♦, book reviews
• *At Large and at Small: Familiar Essays* by Anne Fadiman in *Library Journal*, 132(8):80–81, May 1.

• *The Mistress’s Daughter* by A.M. Homes in *Library Journal*, 132(3):123, February 15.

LIA VAS♦, “Semisimplicity and Global Dimension of a Finite von Neumann Algebra,” *Mathematica Bohemica*, 132(1):13–26, 2007.

PHILADELPHIA COLLEGE OF PHARMACY

Poster Presentation

WILLIAM MCGHAN♦, **ANDREW PETERSON**♦, et al., “Evaluating an Online Calculator for Analyzing Incremental Net Benefit and the Expected Value of Perfect Information from Patient Level Data” at the International Society for Pharmacoeconomics and Outcomes Research in Crystal City, VA, May.

Presentations

MEREDITH ABRAHAM♦, “Factors That Influence the Decision to Staff a Medical Information Booth at a Medical Meeting” at the 26th Annual Eastern States Conference for Pharmacy Residents in Baltimore, May 11. Abraham’s USP mentors were **GRACE EARL**♦ and **EMILY HAJJAR**♦.

MICHAEL CAWLEY♦*

- “The Changing Face of Staphylococcus aureus Infections in Skin and Soft Tissue and Bacteremia, including Right-Sided Endocarditis” for the Regional Home Care clinical staff in King of Prussia, PA, March.
- “Appropriate use of Daptomycin for MRSA Bacteremia, including Right-Sided Endocarditis and Complicated Skin Infections” at Apria Healthcare in Alexandria, VA, February, and at the Reston Hospital Center in Reston, VA, February.

GRACE EARL♦, “Active Teaching Strategies in a Drug Information Course” at the symposium on “Innovative Teaching Strategies in Drug Information” at the American College of Clinical Pharmacy Spring Symposium in Memphis, April 21–25.

DANIEL HUSSAR♦*

- “New Drugs of 2006” at the Connecticut Pharmacists Association Mid-Winter Meeting in Southington, CT, February 8; for Merck pharmacists in West Point, PA, February 21; and at the Advances in Pharmacy Practice Symposium at Philadelphia College of Pharmacy at University of the Sciences in Philadelphia, February 25.
- “New Drugs” at the California Pharmacists Association Outlook Conference in Palm Springs, CA, February 15 and 17.

SARAH SPLINER♦, “Using Patient Registries, Clinical Trials, and Current Practice Patterns to Guide Long-Term Therapeutic Options in Atherothrombosis” at the American Medical Directors Association Meeting in Fort Lauderdale, March 29, and American Managed Care Pharmacists Meeting in San Diego, April 12.

Publications

ADEBOYE ADEJARE♦, et al., “Adaptive Neuro-fuzzy System (ANFIS): A New Approach to Predictive Modeling in QSAR Applications: A Study of Neuro-fuzzy Modeling of PCP-based NMDA Receptor Antagonists,” *Bioorganic and Medicinal Chemistry*, 15:4265–4282, 2007.

MICHAEL CAWLEY♦*, “Hyponatremia: Current Treatment Strategies Including the Role of Vasopressin Antagonists,” *Annals of Pharmacotherapy*, 41(5): 840–850, May.

NATALIA COLEMAN★, et al., “In Vitro Maturation and Early Development Capacity of Bovine Oocytes Cultured in Pure Follicular Fluid and Supplementation with Follicular Wall,” *Theriogenology*, 67:1053–1059, 2007.



GRACE EARL♦, et al., “Tolerability of B-Blockers in Outpatients with Refractory Heart Failure Who Were Receiving Continuous Milrinone,” *Pharmacotherapy*, 27(5):697–706, 2007.

DANIEL HUSSAR♦*

- “New Drugs: Sitagliptin phosphate, Telbivudine, and Panitumumab,” *Journal of the American Pharmacists Association*, 47:108–111, January/February 2007.
- “New Drugs 07 Part I,” *Nursing* 2007, 37:53–60, February 2007.
- “A New Year, an Old Theme” (editorial), *The Pharmacist Activist*, 2:1–2, January 2007.
- “New Drug Review: Paliperidone (Invega–Janssen),” *The Pharmacist Activist*, 2:3–4, January 2007.
- “Ten Thousand and One Pfizer Employees Lose Jobs—But the ‘One’ Is Very Different,” *The Pharmacist Activist*, 2:1, February 2007.
- “New Drug Review: Posaconazole (Noxafil–Schering),” *The Pharmacist Activist*, 2:3, February 2007.
- “New Drug Review: Ranibizumab (Lucentis–Genentech),” *The Pharmacist Activist*, 2:4, February 2007.

ANDREW PETERSON♦,

“Improving Adherence in Patients with Alcohol Dependence: A New Role for Pharmacists,” *American Journal of Health-System Pharmacy*, 64(3):523–9, 2007.

ANDREW PETERSON♦,

et al., “A Checklist for Medication Compliance and Persistence Studies Using Retrospective Databases,” *Value in Health*, 10:3–12, 2007.

RUCHI M. SHAH*,

ANIL D’MELLO♦, “Stabilization of Phenylalanine Ammonia Lyase Against Organic Solvent Mediated Deactivation,” *International Journal of Pharmaceutics*, 331:107–115, 2007.

Surveying Drug Use Among Pharmacy Students *Do they misuse drugs more than other students?*

By Melissa Bass

If pharmacy students have more access to and knowledge of prescription drugs, does that mean that there is potential for more abuse? That’s what **GEORGE E. DOWNS** PharmD’72, dean emeritus and professor of clinical pharmacy; **PAUL C. FURTAW**, PsyD, director of USP Student Health and Counseling; and Sarah Lord, PhD, senior researcher at Inflexxion, Inc., set out to find.

“Our initial impression was that pharmacists or any health professionals may be at higher risk for prescription drug abuse than the general population as a result of their access to such substances,” said Dr. Downs, who helped obtain a grant for the research from a former student, **ARNOLD GAMMAITONI** P’90, PharmD’92 at Endo Pharmaceuticals, Inc.

During the fall of 2006, they conducted a web-based anonymous survey of all 1,538 USP pharmacy students, of which 62 percent responded.

So was their hypothesis correct?

“The survey revealed some interesting but not necessarily surprising data,” said Dr. Downs.

The results show that the lifetime prevalence of misuse of drugs in pharmacy students was similar to the national collegiate norms. Stimulants were misused by 6.7 percent of the students responding to the survey while prescription opioid misuse was 7.9 percent, compared to the general college student population rates of 7 percent and 12 percent, respectively. Such substances were more likely to be abused by students who were white, members of Greek chapters, and/or users of tobacco or other (illegal) drugs. Not surprisingly, given the mechanism of action for each drug, students using opiate analgesics tended to also

abuse alcohol, while students using stimulants tended to have lower grades.

The survey also asked why the drugs were being used and where they got them. The students reported that they used stimulants (typically Adderall) to improve concentration and school performance. Prescription opiate analgesics (including Percocet, Vicodin, and Tylenol 3) were used to “have fun,” “get high,” and “manage stress.” The majority of the students obtained these substances from friends or family members, if not straight from the family medicine cabinet (as opposed to street purchases or on-the-job theft).

“The hope would be that students getting all this professional development and knowledge, and maybe even treating patients with substance abuse, would reduce their own misuse of such substances. However, that was not evident in our research,” said Dr. Furtaw. “Students appear to view themselves as immune from abuse. ‘I know this stuff (from an intellectual perspective), so I could never become addicted.’ Unfortunately, our experience of working with impaired pharmacy students and other health care professionals-in-training has demonstrated that knowledge alone is not protective; rather, it is more a function of understanding one’s mental health that protects one from abuse,” he explained.

Dr. Downs and Dr. Furtaw hope to recruit other schools of pharmacy across the country later this summer to participate in the prescription drug misuse survey. In addition, they continue to work on the USP campus to develop curricular- and extracurricular-based initiatives regarding abuse of alcohol and other drugs.



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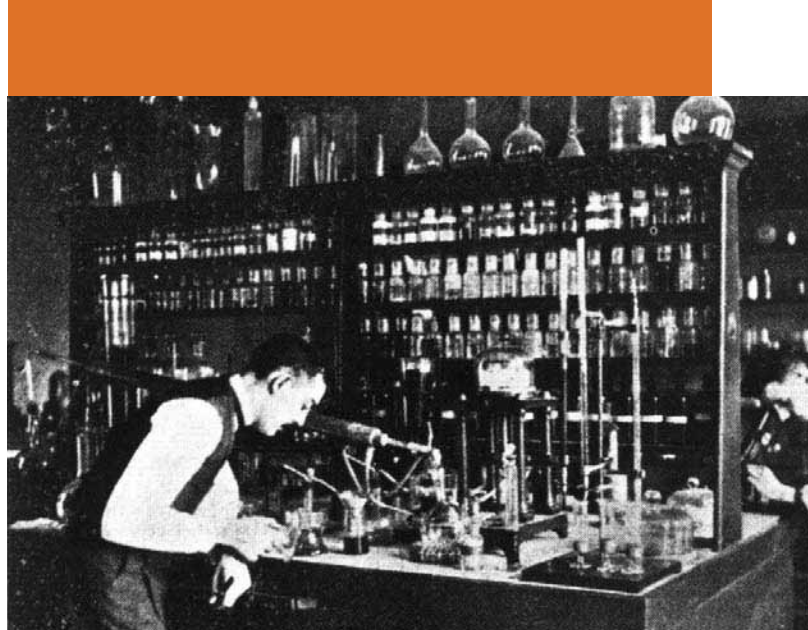
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IN OUR NEXT ISSUE...

- **Celebrating the Lilly Legacy**
- **Anniversary Milestones:**
PT's 25th and OT's 10th
- **Studying Health Care in the Land of the Rising Sun**

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

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DEGREE/PROGRAM ABBREVIATIONS

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



CALENDAR OF EVENTS

August

Friday, August 24–Friday, August 31
Welcome Week, USP Campus



USP's classes of 2011, 2012, and 2013 begin their college careers with a week-long program as they embark on Adventure USP: Explore. Experience. Excel.

For more information, contact the Alumni Office at 1.888.857.6264. To find more information, visit the USP Alumni & Friends website at www.usip.edu/alumnifriends or view the USP News and Events page at www.usip.edu/calendar.

September

Sunday, September 16
PT White Coat Ceremony, USP Campus

Thursday, September 20
Seventh Annual Patricia Leahy Memorial Lecture, USP Campus

The Department of Physical Therapy marks its 25th anniversary. For more information or to register for the lecture, visit www.usip.edu/pt.

Saturday, September 29, and Sunday, September 30
USP Fall Fest and Alumni Reunion 2007, USP Campus

Discover...Reconnect...Fall into the Fun at USP. Reconnect with old friends and favorite faculty, and meet our current students. ALL alumni are invited to the Reunion Class Reception, highlighting alumni from class years 1957 (Golden Graduates), 1962, 1967, 1972, 1977, 1982 (Silver Graduates), 1987, 1992, 1997, and 2002. Plus, much, much more. For more information, visit www.usip.edu/fallfest.



October

Saturday, October 27
PCP White Coat Ceremony, USP Campus

Third-year students observe annual rite of passage in the PharmD program.

Sunday, October 28
OT Tenth Anniversary Brunch, USP Campus

The Department of Occupational Therapy celebrates its 10th year as a professional program. For more information, visit www.usip.edu/ot.

Thursday, October 4
Annual Fall Career Day, USP Campus

Open to all undergraduates, soon-to-be graduates, and USP alumni who may be looking for internship, part-time, or full-time career opportunities. Over 80 organizations and employers will represent all majors. Hosted by USP's Career Services Department. Call 215.596.7494 for more information.



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