SCHOOL OF PHARMACY
Mission & Vision

MISSION & VISION

- Excellence and opportunity in education, scholarship, research and practice
- Offer a comprehensive array of professional and graduate programs
- Prepare students to become outstanding practitioners and scientists
- Advance scientific discovery
- Strive to improve the health and well-being of the community

A MESSAGE FROM

Peter H. Doukas, PhD
Dean, Temple University School of Pharmacy

THE LAST OFFICIAL ANNUAL REPORT FROM THE SCHOOL OF PHARMACY described TUSP’s activities during the academic year 2012-2013. The present report covers the next two academic years, spanning 2013 through 2015. It provides an overview of the School’s continuing evolution, the people, events and numerous accomplishments that defined our academic environment and work-product during this latest interval.

Lonnie and Sharon Moulder created a seminal, transformative, milestone event in the School’s history by pledging to endow the Moulder Center for Drug Discovery Research at TUSP, thereby ensuring its viability in perpetuity. Total development funding raised during this two-year interval approached $7.5 million. TUSP alumnus and Assistant Surgeon General RADM Scott Giberson ’93 was commended during a nationally-televised press conference by President Barack Obama, for his leadership of the US Anti-Ebola effort in Africa.

The School welcomed five new Clinician Educator faculty in the Department of Pharmacy Practice. The May to September cohorts of TUSP graduates from the classes of 2013, 2014 and 2015 exceeded the national NABPLEX Pass Rate for each year, and a total of forty five of those graduating in ’14 and ’15 were awarded the residencies or fellowships of their choice.

The School supported a year-long Practical Politics Seminar Series wherein the government affairs liaisons from the major national pharmacy professional organizations shared their visions and experiences with the student body. Alumna Amelia Batastini established the Zammarelli Lecture Series to provide an annual opportunity for students to learn from accomplished leaders in the area of community pharmacy practice.

The Temple University Drug Discovery Research Initiative, based at the Moulder Center came to a highly successful conclusion following a five year investment of University funds in the School of Pharmacy. TUSP’s research profile was considerably broadened and strengthened by the addition of three new research-intensive faculty comprising the School’s newly established Proteomics Facility, and the receipt of several new grant awards by faculty in the pharmaceutical sciences. The School of Pharmacy hosted a Presidential Visiting Professor/Scholar, during the inaugural year of a new University program honoring world-class researchers and scholars.

In the face of a national decline in the applicant pool for schools of pharmacy, TUSP has established a “Direct Admit” program for qualified high school students enrolling in the University’s College of Science and Technology (CST); TUSP’s program in Regulatory Affairs has also established a new set of certificate and degree programs. Lastly, the University’s new Responsibility Centered Management (RCM) budget model afforded TUSP the opportunity to completely renovate and upgrade its Pharmacy Practice Lab, to double the size of its Parenteral Teaching Lab and to establish a newly renovated Pharmacy Museum on the first floor. It has obviously been a good two years for TUSP and we thank our alumni and friends for the role they have played in strengthening our School.
THE MOULDER CENTER’S MOMENTUM CONTINUED TO INCREASE DURING THIS LAST INTERVAL WITH A NUMBER OF MILESTONE EVENTS, the most important of which was the establishment of an endowment to support the Center’s activities through the generosity of alumni Lonnie and Sharon Moulder (TUSP ’80; see below). The Temple University Drug Discovery Research Initiative, based primarily at the center, was officially completed with the awarding of the final group of Drug Discovery Research Initiative Awards (see below), and the center’s director Dr. Magid Abou-Gharbia received several prestigious awards (see below). Several new research grant awards were received that demonstrate the breadth of the center’s intellectual enterprise as well as its collaborative reach with colleagues in academia and industry:

- Dr. Abou-Gharbia (P.I.) and several TUSP colleagues (Drs. Childers, Blass and Korzekwa) received an NIH RO1 award of $1.9 million to study GLT-1 enhancers as candidates for cocaine addiction; this award was in partnership with colleagues at Johns Hopkins University and the University of Florida.
- Dr. Wayne Childers (Co-I) received $450,000 as part of a $2.5 million NIH study awarded to Dr. Tomasz Skorski of TUMS to study DNA repair in refractory/resistant myelogenous leukemia, and $730,000 from the Department of Defense to study inhibitors of botulinum protease.
- Dr. Ben Blass received an NIH award of $648,000 to develop D3 receptor compounds for the treatment of psychostimulant abuse, with collaborators from North Texas Health Sciences Center, University of Pennsylvania and Arizona State University. He also received support from the Biostrategy Partnership ($60,000) for the development of SHT7 antagonists to treat inflammatory bowel syndrome, and from the University City Sciences Center QED Proof of Concept program ($200,000) to explore the use of GLT-1 expression modulators in the treatment of ALS.
- Dr. Marlene Jacobson received an NIH Shared Instrument Grant award of $267,000 to purchase a Hamamatsu Kinetic Plate Reader. The Center negotiated an agreement with Mophosys AG for access to the company’s Ylantia technology for use in validating new disease-related targets. Dr. Jon Condra will lead the effort to apply this technology to help generate therapeutic antibody candidates. Drs. Abou-Gharbia and Childers co-authored two invited review articles in the Journal of Medicinal Chemistry addressing the current state of drug discovery efforts in the pharmaceutical industry. The articles were among the top 10 most read papers in the journal during the year. The Center received funds from Chemspec International Corporation to support graduate medicinal chemistry scholarships, which will be matched by funds from the Office of the Dean.
RESEARCHERS JOIN TUSP

PROTEOMICS/METABOLOMICS

SALIM MERALI, PhD

In November of 2013, Dr. Salim Merali joined the Department of Pharmaceutical Sciences at TUSP after serving at Temple University School of Medicine (TUMS) for 13 years. Dr. Merali received his PhD in Biochemistry from the City University of New York in 1993. He thereafter moved to the New York University (NYU) School of Medicine first serving as a Post-Doctoral Fellow, and then as Assistant and Associate Professor in the Department of Medical and Molecular Parasitology.

In 2005 he joined TUMS with appointments in the Department of Biochemistry and the Fels Research Institute, serving as Director of the Proteomics Facility. At the time of his appointment to TUSP, Dr. Merali’s vitae listed 59 co-authored research publications in top-tiered journals, two chapters, 7 patent applications and a total of approximately $10 million dollars in outside funding spanning 18 years. He has trained numerous physician and post-doctoral research associates in his laboratory, and serves as a reviewer for numerous prestigious journals and on research study sections for the NIH. He is internationally recognized as an expert in Proteomics, a cutting-edge discipline of growing importance for translational science research and drug discovery.

As Director of TUSP’s Proteomics/Metabolomics Facility, Dr. Merali will continue his collaborations with medical colleagues across the globe, and has already established a close working partnership with TUSP’s Moulder Center. Shortly after his appointment at TUSP, Professor Merali was joined in his lab by two accomplished research colleagues, Dr. Oscar Perez-Leal, MD and Carlos A. Barrero, MD.

OSCAR PEREZ-LEAL, MD

Dr. Oscar Perez-Leal was appointed Research Assistant Professor in the Department of Pharmaceutical Sciences in June 2014. He received his MD with honors from the Universidad del Norte in Columbia in 2002. He thereafter served as a Research Fellow in Molecular Biology and Immunology at the Institute of Immunology of Columbia, where he was able to fully characterize five new proteins in the Plasmodium Vivax parasite within three years, earning him honorary distinction in basic research from the National Academy of Medicine of Columbia.

In 2005 Dr. Perez-Leal joined Dr. Merali’s lab at Temple University School of Medicine as a Post-Doctoral Fellow, combining his background in molecular biology with proteomics to study the translational control of enzymes that are important anti-cancer targets, for which he received the Young Scientist Award from the Biochemical Journal in 2009; that same year he was appointed as Associate Scientist. Dr. Perez-Leal is currently developing tools to identify drugs that improve the translation of anti-oxidant proteins for use in diseases where oxidative stress plays a major role.

CARLOS A. BARRERO, MD

Dr. Carlos A. Barrero was appointed Research Assistant Professor in the Department of Pharmaceutical Sciences in June 2014. He received his MD from Caldas University in Columbia in 2001, and thereafter served as a Research Fellow at the Fundacion Instituto de Immunologica de Columbia where he applied proteomics for the development of novel tuberculosis and malaria vaccines.

In 2006 he joined Dr. Merali’s lab at TUMS as a Post-Doctoral Fellow utilizing mass spectrometry to acquire state-of-the art knowledge in proteomics, metabolomics and bioinformatics to study the pathologic mechanisms of various diseases. In 2009 he was appointed an Associate Scientist. Dr. Barrero has been fully supported by grant funding during his time at Temple University, has been a co-author on 24 publications in major impact journals and has been a major contributor to 4 patent applications submitted by Temple University. He has made substantial contributions to an understanding of the mechanisms underlying chronic obstructive pulmonary disease (COPD), and discovered biomarker proteins for COPD detection and progression. These findings have translational applications that can assist greatly in the identification and treatment of patients with this disease. He has made similar contributions in the areas of obesity and HIV-AIDS.

Dean Doukas presents President Theobald with tokens of appreciation from the School of Pharmacy students, faculty and staff at the TUSP Alumni Association Board meeting in March 2014.

SINCE JOINING TUSP THIS TRIO OF RESEARCHERS HAS RECEIVED NUMEROUS NEW GRANTS FROM OUTSIDE SOURCES. Dr. Merali has received a total of $800,000 in funding from the NIH and another $366,000 from Biostrategy Partners, Johnson & Johnson and other corporate sponsors. Dr. Perez-Leal has received $60,000 from Biostrategy Partners and $522,000 from the NIH. Dr. Barrero has received $325,000 from the Flight Attendant Medical Research Institute and $20,000 in development funds from the Comprehensive Neuro-Aids Center at Temple School of Medicine. The total of more than $2.1 million in new multi-year support is a very auspicious beginning for what augers to be highly productive research focus at TUSP.
**DRUG DISCOVERY RESEARCH INITIATIVE: A SET OF HIGHLY SUCCESSFUL OUTCOMES**

Between academic years ‘10-‘11 and ‘14-‘15 these funds were utilized to enhance TUSP as follows: construction of 2400 square feet of new lab space (and the renovation of others), 2700 square feet of 15 new clinical faculty offices, secretarial space, and the Experiential Education office suite and 1,525 sq. ft. of meeting/recitation space; start-up funds for 5 new faculty as well as “bridge funding” for 7 pharmaceutical sciences faculty; purchases of major specialized equipment, a compound library, enabling technologies and software; and support for research staff. One million dollars was distributed to other academic units as follows: College of Science and Technology, $200K; Medical School and the Fels Institute, $600K; Fox Chase Cancer Center, $150K; and Engineering, $50K. Since the establishment of the Moulder Center and coincident with the Drug Discovery Initiative, TUSP has received to date (May 2016) approximately $16.7 million in multi-year funding in the form of federal/state grants, contracts and foundation support, approximately half of which has been generated by Moulder Center scientists and the other half by pharmaceutical sciences faculty colleagues. By any measure the investment made by the University in TUSP has been an outstanding success. This has provided a strong foundation for future successful endeavors to which the School of Pharmacy looks forward.

**SPACE RENOVATIONS**

Several spaces within TUSP were upgraded to provide state of the art facilities including: the Pharmacy Practice Lab and the Parental Teaching Lab on the fourth floor, the lobby and new Museum/Executive Conference Room on the first floor.

**TEMPLE UNIVERSITY PRESIDENTIAL VISITING PROFESSOR/SCHOLAR PROGRAM**

In February of 2015 TUSP hosted Dr. Stephen Dewhurst of the University of Rochester School of Medicine and Dentistry as a Temple University Presidential Visiting Professor/Scholar (PVPS). The PVPS program was initiated in 2014, and TUSP was one of the first schools in the University to host such a prestigious scholar and researcher.

Dr. Dewhurst is Dean’s Professor and Chair of Microbiology & Immunology at the University of Rochester School of Medicine and Dentistry (URSMD). He received his Ph.D. from the University of Nebraska Medical Center in 1987, and completed postdoctoral training at Columbia University and at the Harvard School of Public Health. His doctoral and postdoctoral work focused on the pathogenesis of human and simian immunodeficiency viruses.

Dr. Dewhurst has over 20 years of experience as a molecular virologist, working on both RNA and DNA viruses (including HIV-1 and human herpes viruses) and is an expert in the areas of viral gene transfer vectors, HIV-1 vaccine development and neuroAIDS. He has served on many NIH special emphasis and regular grant review panels and is a former Study Section Chair as well as a past (2004-2008) member of the NIH Recombinant Advisory Committee (RAC), which oversees all recombinant DNA studies in human subjects. He serves as Director of the UR’s NIH-funded Development Center for AIDS Research, and also directs an NIH-funded Predoctoral training program in HIV-1 research, in addition to his own research.
Jacqueline M. Theodorou, PharmD

Jacqueline M. Theodorou, PharmD was appointed Clinical Assistant Professor in the Department of Pharmacy Practice in July 2013. Dr. Theodorou received her Doctor of Pharmacy degree from Temple University School of Pharmacy in 2009 and completed a one year PGY-1 Residency in Pharmacy Practice at The Temple University Health System. Since the completion of her residency, Dr. Theodorou has served as a Clinical Pharmacist Specialist at TUH and at Pennsylvania Hospital. She is Board Certified as a Pharmacotherapy Specialist, has had teaching responsibilities at her practice sites and has served as an experiential preceptor and as a Residency Advisor. She has also served as a recitation leader. She has established an Internal Medicine pharmacy practice site at Pennsylvania Hospital which will provide the venue for student clinical rotations.

Kimberly A. Toussaint, PharmD

Kimberly A. Toussaint, PharmD was appointed Clinical Assistant Professor in the Department of Pharmacy Practice in July 2013. Dr. Toussaint received her Doctor of Pharmacy degree from Temple University School of Pharmacy in 2010 and completed a one year PGY-1 Residency in Pharmacy Practice at the University of Maryland Medical Center in Baltimore. Upon completion of this residency she joined the Geisinger Wyoming Valley Medical Center as a Clinical Pharmacist Specialist and in July of 2012 she was accepted into the PGY-2 Infectious Diseases Pharmacy Residency at Temple University Hospital. Dr. Toussaint is Board Certified as a Pharmacotherapy Specialist, has had prior adjunct teaching responsibilities as an experiential preceptor at the University of Maryland, Wilkes University and Temple University Schools of Pharmacy. Dr. Toussaint has established an internal medicine pharmacy practice site at Temple University Hospital.

Jennifer Lynn Andres, PharmD

Jennifer Lynn Andres, PharmD was appointed Clinical Assistant Professor in the Department of Pharmacy Practice in August 2014. Dr. Andres received her Doctor of Pharmacy degree from TUSP in 2011 and completed a PGY-1 Pharmacy Practice Residency at the Martinsburg VA Medical Center in West Virginia. During her residency she also completed a Teaching Certificate at Shenandoah University. She became Board Certified in Pharmacotherapy in 2012. Upon completion of her residency Dr. Andres was appointed Assistant Professor of Pharmacy Practice at the PCOM School of Pharmacy in Suwanee, Georgia. Dr. Andres had instructional responsibilities in Infectious Diseases; Integrated Therapeutics; Toxicology; Men’s Health; and Pharmacy Practice Lab. In addition to providing mentoring to Doctor of Pharmacy students in their clinical experiential rotations at the Atlanta, GA VA Medical Center, she had course coordinator responsibilities in Case Studies; Introduction to Drugs; and Seminar. Dr. Andres will be developing a Clinical Pharmacy Practice in Ambulatory Care Internal Medicine at Temple University Hospital which will serve as a venue for student experiential learning under her mentorship.

Melissa Erin Rotz, PharmD

Melissa Erin Rotz, PharmD joined the School of Pharmacy as Clinical Assistant Professor in the Department of Pharmacy Practice in August 2014. Dr. Rotz received her Doctor of Pharmacy degree from the Philadelphia College of Pharmacy (PCP) in 2012. She was awarded a PGY-1 Residency based at PCP that afforded her clinical residency experiences at Cooper Hospital in Camden, NJ, the Philadelphia VA Hospital and the Hospital at the University of Pennsylvania (HUP). Dr. Rotz thereafter completed a PGY-2 Residency in Internal Medicine based at PCP that provided her with clinical residency experiences at Penn Presbyterian Medical Center, Cigna HealthSpring Wellness Center, Cooper Hospital and HUP and research experience at PCP. During her residency experience Dr. Rotz had considerable experiential and didactic teaching assignments responsibilities. She developed an interest in inter-professional learning models, leading workshops with pharmacy, medical, physician assistant, occupational therapy and physical therapy students. These latter experiences broaden the dimensions of her potential contributions to curricular development as we seek to build inter-professional education initiatives at TUSP. Dr. Rotz will be developing a Clinical Pharmacy Practice at Temple University Hospital which will serve as a venue for student experiential learning under her mentorship.
CRAIG B. WHITMAN PHARM.D

Dr. Craig B. Whitman was appointed Clinical Associate Professor in the Department of Pharmacy Practice in October 2014.

Dr. Whitman received his Doctor of Pharmacy degree from the Ernest Mario School of Pharmacy at Rutgers University in New Jersey in 2005. He was awarded a PGY-1 Pharmacy Practice Residency at the VA Western New York Health System in Buffalo, New York. He then completed a PGY-2 Critical Care Pharmacy Residency at the University of Buffalo School of Pharmacy and Pharmaceutical Sciences where he also served as a clinical instructor in their Doctor of Pharmacy experiential program. Dr. Whitman is Board Certified as a Pharmacotherapy Specialist and has completed two teaching certificates.

From 2007 through 2013, Dr. Whitman served as Assistant Professor of Clinical Pharmacy at Philadelphia College of Pharmacy (PCP) at the University of the Sciences in Philadelphia (USP). While at PCP, Dr. Whitman established a PGY-2 Critical Care Residency at Cooper University Hospital in Camden, New Jersey, serving as the residency director from 2010 to 2013, until he moved to Barnes Jewish Hospital in St. Louis, Missouri to serve as a clinical pharmacist in the Surgical, Burn, and Trauma Intensive Care Unit.

Dr. Whitman has had considerable recitation, lecture, and experiential teaching experience, and has co-authored several peer-reviewed clinical pharmacy papers, chapters and poster presentations and has delivered numerous invited professional presentations. He has served on numerous faculty committees, and has been a reviewer for several clinical pharmacy journals. Dr. Whitman will be developing a Critical Care Medicine Practice at Temple University Hospital, serving with the Respiratory Intensive Care Unit, which will serve as a venue for student experiential learning under his mentorship.

RETIRED FACULTY

JOY D. BAUMGARDNER, PhD

Dr. Joy D. Baumgardner, Associate Professor of Pharmacognosy, retired in July, 2014 after 34 years of teaching in the School of Pharmacy. Dr. Baumgardner taught courses in Infectious Diseases, Anti-Infective Agents, Natural Products, and Veterinary Pharmacy and also taught sections of Medicinal Chemistry and Pharmacology. Dr. Baumgardner developed and taught the Veterinary Pharmacy course for 24 years.

She served as the Associate Director of the TUSP Graduate Program, as Editor of the Apothecary (School of Pharmacy Newsletter), and the ASP Newsletter (American Society of Pharmacognosy), as an Ombudsman at TUSP and was also a member of the TUSP admissions committee throughout most of her tenure. Upon her retirement, Dr. Baumgardner was granted Associate Professor Emeritus status.

Dr. Baumgardner has three sons: Travis, Shane and Grant and several grandchildren.

NEW STAFF

MARY CRUZ

Mary (Maria) Cruz joined the Dean’s Office as an Administrative Assistant in August 2013. She will work directly with the Associate Dean for Education, the Assistant Dean for Finance and Administration, the Director of Development and the Director of Alumni Relations and External Affairs.

Prior to joining the School of Pharmacy Maria worked as an Administrative Assistant since 1992 in the Department of Medicine at Temple Hospital.

FACULTY NEWS

During AY ’13-’14 Dr. Magid Abou-Gharbia, Associate Dean for Research and Director of the Moulder Center for Drug Discovery was named the Laura H. Carnell Professor of Medicinal Chemistry by President Neil Theobald in honor of his outstanding achievements in research coupled with his national and international recognition, as evidenced by his receipt of numerous honorific awards and titles. During FY ’14-’15 Dr. Abou-Gharbia and the research team he lead while at Wyeth received their second Heroes of Chemistry Award from the American Chemical Society for the discovery of Effexor, a first-in-class antidepressant that has benefited millions of patients worldwide. He also received the Philadelphia Business Journal PA Bio Innovation Award as Educator/Researcher of the year. In December of 2014 Dr. Abou-Gharbia received the Grand Hamdan Award for Drug Discovery and Excellence in Medical Sciences at the 8th Dubai International Conference for Medical Sciences held in the UAE.

Dr. Lawrence Carey, Clinical Associate Professor of Pharmacy Practice was chosen as President-Elect of the Delaware Valley Society of Health System Pharmacists in 2014.

Dr. Jason Gallagher was elected a Fellow of the American College of Clinical Pharmacy (ACCP) in 2014.

Dr. Ken Korzekwa, Associate Professor of Pharmacy, authored two of the chapters in Kinetics and Drug Metabolism: Fundamentals and Applications (Springer/Humana Press) in 2013. Dr. Ken Korzekwa also served on the Macmillan Advisory Board for the ABC Parenting Feature Supplement in 2013.

Dr. Ellen Walker was invited to participate in the World Health Organization (WHO) 36th Expert Committee on Drug Dependence (ECDD) Meeting at WHO Headquarters in Geneva, Switzerland, June 2014. In October 2014, Dr. Walker also received the George B. Koelle Award from the Mid-Atlantic Pharmacology Society (MAPS) in recognition of her accomplishments in research, teaching and mentoring young scientists. The award was presented at the annual MAPS meeting held at the Temple University School of Medicine.
THE SCHOOL OF PHARMACY’S OUTSTANDING FACULTY SERVICE AWARD RECIPIENTS

Drs. Charles Ruchalski in 2014 and Nima Patel-Shori in 2015 received the Outstanding Faculty Service Awards. Drs. Charles Ruchalski and Nima Patel-Shori have consistently provided outstanding service to the School of Pharmacy especially through dedication to our students.

The 6-week Pharmacy Mission to Vietnam was conceived and developed fully by Dr. Charles Ruchalski and has become an anticipated experience for select students. Upon their return, the students have given outstanding presentations to fellow classmates and the faculty about the profound personal and professional enrichment the mission provides.

The “Rx in Vietnam” experience has been described as life-changing by our students, providing an opportunity for their immersion in a different culture. The most important benefit to students is that they experience the adverse conditions and medical needs of people at the other end of the world. It is an arduous 6 weeks rotation. The students receive a lifelong memory of a profound experience and smiles and hugs of deep appreciation.

Students at TUSP enthusiastically want to participate in this mission and this is not only due to the chance to travel and experience another culture. It is because Dr. Ruchalski makes the trip fun in spite of the sometimes-harsh conditions. This is only one of the many service contributions made by Dr. Ruchalski, who has never failed to step up and give of his time and energy to activities that help to create the connective tissue of our Doctor of Pharmacy program, while providing excellent didactic and clinical instruction.

Dr. Nima Patel-Shori is Board Certified in Ambulatory Care Pharmacy, specializing in cardiovascular disease and women’s health and provides clinical pharmacy services at Temple University Hospital Internal Medicine Clinic. Dr. Patel-Shori operates under collaborative practice agreements with her physician colleagues contributing to the treatment of approximately 900 patients per year with hypertension, diabetes and lipid disorders, as well as those needing anti-coagulant therapy. She is also partnering with medical colleagues in an NIH sponsored study of a collaborative model to improve blood pressure control and minimize racial disparities.

She has received the TUSP Golden Apple Award for teaching innovation, by playing a leadership role in the development of standardized patient simulations as a means to prepare students for their eventual encounters with actual patients in the clinical setting, and has played a leadership role among the faculty in developing case and team based active learning strategies.

Dr. Patel-Shori was instrumental in constructing, and thereafter in directing, the Temple/Acme-Sav-On Community Pharmacy Ambulatory Residency. She recently played the leadership role in establishing the School’s first Ambulatory Care Residency Program, one of the School’s Strategic Goals. She is an excellent clinical practitioner role model for her students as well as faculty leader, and the School of Pharmacy is most proud to count her among its professional practice faculty.

The RAQA staff greeting students at one of their Open House events. Front (left to right): Patricia Lee and Joan Westbrook Levitt Black (left to right): Sylvia McNally, Brenda Haslego, David Brickett and Wendy Lebing

QARA GRADUATE PROGRAM TRANSITIONS ITS TITLE TO: “RAQA”

TUSP’s internationally recognized graduate program in quality assurance/regulatory affairs (QARA) has officially changed its name to “Regulatory Affairs and Quality Assurance (RAQA)” in order to take advantage of Search Engine Optimization (SEO) techniques used to determine placement during Google searches. The change became effective in April of 2015 upon approval of the University’s Board of Trustees.

Between 2013 and 2015 Assistant Dean Wendy Lebing, representing the RAQA program, participated in several professional conferences including: The Drug Information Association (DIA) Conference (Vienna, Austria, March 2014), along with colleagues from the National University of Singapore (NUS); the Regulatory Affairs Professional Society (RAPS) Annual Meeting (Houston, Texas, October 2014); and the Midwest Regional Career Day sponsored by the Chicago Chapter of RAPS (May, 2015). She also worked closely with the US Pharmacopeia (USP) in organizing a global lecture series on regulatory topics that included presentations by two instructors from TUSP’s RAQA program (Barry Berger and David Lebo). While visiting numerous corporate sites as a part of her annual outreach efforts, Assistant Dean Lebing also expanded the program’s on-line marketing efforts by developing a RAQA Facebook page, constructing advertisements on the RAPS Portal and authoring two commentary pieces for the RAPS Portal specifically for potential students.

In 2015 two new MS degree programs and one Certificate program, all under the RAQA umbrella, were approved by the Board of Trustees. The MS in Global Clinical and Pharmacovigilance Operations is specifically designed for TUSP Doctor of Pharmacy students. It is based upon the RAQA program’s strength in pharmacovigilance, which was established several years ago through a major educational development grant from Johnson and Johnson, and the decades-long experience with numerous courses in clinical trial management. By carefully planning their roster of elective courses as they pursue the PharmD degree, students are eligible to enroll in courses in clinical trials and pharmacovigilance as well, conceivably earning their MS within less than a year after graduation.

The MS in Regulatory and Pharmaceutical Sciences, although open to all students, was specifically designed for RAQA’s growing number of students at NUS, building on the strengths of two partnering institutions. The program is structured to provide students with a grounding in scientific principles and methods that are critical to regulatory decisions made by industry and global regulatory bodies. The Certificate in Pharmaceutical Labeling and Advertising addresses the growing need for professionals with an understanding of the complex US and global regulations affecting labeling, print, TV and internet advertising created by pharmaceutical and related companies.

Partial or full FDA Centennial Scholarships were awarded to Donald Ertel, Ding Ding, Margaret Dillenbeck and Jillian Carnice in 2013, and to Bobby Nguyen, Jeffrey Baffoe-Bonnie, Vishalkumar Patel and Lea Shields in 2014. A second FDA scholarship was established in 2015 specifically for FDA employees; its first recipient was James Mason.
GRADUATE NEWS (CONTINUED)

RONALD GAUTIERI SCHOLARSHIP AWARD

The Department of Pharmaceutical Sciences and Temple University School of Pharmacy awarded the Ronald Gautieri Scholarship Award to Vishnu Sharma ’14 in 2014 and Aneesh Argikar ’17 in 2015. This fund was established in 1995 in memory of Ronald Gautieri, PHM ’57, CLA ’60. The scholarship is used to promote graduate education and to recognize contributions to the department by dedicated, hard-working graduate students.

KALLELIS AWARD

In fiscal years 2014-2015, Harshini Neelekantan ’14 was the 2014 recipient of the Theodore Kallelis Award. This scholarship was established in 2002 by Sophia Kallelis in memory of Dr. Theodore Kallelis, PHM ’54, to provide an annual award to an outstanding graduate student in the School of Pharmacy.

AAPS STUDENT CHAPTER AWARD

In 2014 the Graduate Students Chapter of the American Association of Pharmaceutical Scientists, won 3rd place for Outstanding Student Chapter of the Year at the annual meeting in San Diego, CA.

TEMPLE UNIVERSITY SCHOOL OF PHARMACY RESIDENCY/ FELLOWSHIPS CLASS OF 2014

RESIDENCY

Brittany Cael
Temple University Hospital (James)
Philadelphia, PA

Eris Cani
Albert Einstein Medical Center
Philadelphia, PA

Jacinta Chin
University of Illinois at Chicago
Chicago, Illinois

Elizabeth Giunta
Albert Einstein Medical Center
Philadelphia, PA

Xing Jin
University of the Sciences/ Cooper Hospital
Philadelphia, PA

Dana Jordan
Kennedy Health System Hospital
Stratford, NJ

Nur Kazzaz
Bayhealth Medical Center
Dover, Delaware

Thanh La
Philadelphia VA Medical Center
Philadelphia, PA

Michael Lehr
Milton Hershey Medical Center
Hershey, PA

Caitlin Lozorak
Reading Hospital
Reading, PA

Erika Monacelli
Moses Taylor Hospital
Scranton, PA

Viet Nguyen
Acme/Temple
Philadelphia, PA

Steve Orlando
William Middleton VA
Madison, WI

Kavita Patel
Christiana Care Hospital
Newark, DE

Vicky Qin
St. Luke’s Roosevelt Hospital Center
New York, NY

Hannah Spinnler
Baystate Medical Center
Springfield, MA

Kemelsha Taylor
Reading Hospital
Reading, PA

Sarah Vaguer
Jefferson Hospital
Philadelphia, PA

TEMPLE UNIVERSITY SCHOOL OF PHARMACY RESIDENCY/ FELLOWSHIPS CLASS OF 2015

RESIDENCY

Hasan Al-Hasani
Christiana Care Hospital
Newark, DE

Ngoc Bui
Moses Taylor Hospital
Scranton, PA

Chase Burkavage
Pennsylvania Hospital
Philadelphia, PA

Marissa Casagrande
Temple University Hospital
Philadelphia, PA

Catherine Chua
New York Methodist Hospital
Brooklyn, NY

Alexander Dellabella
Carolina Medical Center
Charlotte, NC

Ryan Fenney
Temple University Hospital
Philadelphia, PA

Erika Goldberg
Philadelphia VA Medical Center
Philadelphia, PA

Alexia Gross
Christiana Care Hospital
Newark, DE

Alexandra Hanretty
University of California
San Francisco

Nicole Hollinger
University of Maryland
Baltimore, MD

Emalee Hribick
Lebanon VA Medical Center
Lebanon, PA

Ekaterina Kachur
Jefferson University Hospital
Philadelphia, PA

Jennifer Le
Indian River Medical Center
Vero Beach, FL

Shihmeng Liu
Atlanticare
Atlantic City, NJ

Drew Lockstein
Hahnemann University Hospital
Philadelphia, PA

Elisa Lyver
James A Haley Veterans’ Hospital
Tampa, FL

Meghan Mitchell
Jefferson University Hospital
Philadelphia, PA

Benjamin Pullinger
Temple University Hospital
Philadelphia, PA

Kristen Schmerbeck
Hackensack Medical Center
Hackensack, NJ

Angeli Sivarman
Albert Einstein Medical Center
Philadelphia, PA

Tonisha Thompson
New York Methodist Hospital
Brooklyn, NY

Ken Trinh
Reading Health System
Reading, PA

FELLOWSHIP

Robert Klepacki
Bristol Myers Squibb
R & D Strategy and Analytics
(Rutgers Program)
Princeton, NJ

Janelle Mikulca
Infectious Disease
Medical Affairs
Cubist Pharmaceuticals
Boston, MA

Residency/Fellowship Breakfast

Advisar, Dr. Marlene Jacobson, and graduate students win Outstanding Student Chapter of the Year award.

Ronald Gautieri Scholarship Award

Aneesh Argikar ’17

Kallelis Award

Harshini Neelekantan ’14

AAPS Student Chapter Award

American Association of Pharmaceutical Scientists

Graduate Students Chapter

NYES AWARD

In 2014 the Graduate Students Chapter of the American Association of Pharmaceutical Scientists, won 3rd place for Outstanding Student Chapter of the Year at the annual meeting in San Diego, CA.

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RONALD GAUTIERI SCHOLARSHIP AWARD

The Department of Pharmaceutical Sciences and Temple University School of Pharmacy awarded the Ronald Gautieri Scholarship Award to Vishnu Sharma ’14 in 2014 and Aneesh Argikar ’17 in 2015. This fund was established in 1995 in memory of Ronald Gautieri, PHM ’57, CLA ’60. The scholarship is used to promote graduate education and to recognize contributions to the department by dedicated, hard-working graduate students.

KALLELIS AWARD

In fiscal years 2014-2015, Harshini Neelekantan ’14 was the 2014 recipient of the Theodore Kallelis Award. This scholarship was established in 2002 by Sophia Kallelis in memory of Dr. Theodore Kallelis, PHM ’54, to provide an annual award to an outstanding graduate student in the School of Pharmacy.

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Eileen Lichtenstein
Director of Student Relations

PRIOR TO THE BEGINNING OF THE ACADEMIC YEAR in August the new first professional year (PY-1) class participates in a Doctor of Pharmacy Orientation Day; in 2013 TUSP welcomed 157 new students and in 2014 the School welcomed 154. During the first week of the Fall semester PY-1 students attend an Introduction and Review of the Doctor of Pharmacy Curriculum provided by Associate Dean for Education, Ina Calligaro; later in that same week students also attend a welcome barbeque.

The White Coat Ceremony, held each Sept. kicks off the many professional activities that include the Phi Lambda Sigma Induction, The Rho Chi Honor Society Induction, Research Recognition Day, Round Table Employment Discussions, The Company Fair, Interview Day, The Sprowls & Zammarelli Lectures as well as various pharmacy advocacy and patient related lectures.

In addition to the rigorous curriculum, student groups annually coordinate and participate in community outreach activities in the following areas: Operation Immunization, Operation Diabetes, Operation Heart, Heartburn Awareness, Cold Care Awareness, Kidney Early Evaluation Program (KEEP), Power to End Stroke, Medical Adherence Education, Prostate Cancer, Breast Cancer, Smoking Cessation, Bone Marrow Donation Awareness and Organ Donor Awareness. Each October during Pharmacy week, there are daily presentations by students conducted on the Temple Health Science Campus to educate patients on health topics. Additionally, students sponsor drives for: blood, clothing, food and toys, participate in the MLK Day of Service as well as many other community outreach programs.

Students are exposed to a variety of social events including: The Holiday Dance, attended annually by over 350 students and guests and supported by Supervalu (ACME) as well as the Dean’s Office. Spring brings the annual student/faculty volleyball and dodgeball games, which are always popular events, along with the Spring Formal which raises money for Shriners and St. Jude’s Hospitals.

With partial financial support from the Dean’s Office, more than 100 students annually attend over ten different professional conferences and conventions where they present posters and discuss research initiatives, compete in skills competitions and receive recognition and honors.

Academic year ’13-’14 ended with the School of Pharmacy Diploma and Awards Ceremony Reception in May 2014. Alumnus Grady Grant III ’80, Vice President of Medical, Mead Johnson Nutrition, provided the keynote address for 138 Doctor of Pharmacy graduates, their families and the 5 Doctor of Philosophy Graduates.

Academic year ’14-’15 ended with the School of Pharmacy Diploma and Awards Ceremony and Reception in May 2015. Alumni David Kwasny, ’76, President, PrismRX, provided the keynote address for 136 Doctor of Pharmacy graduates and their families.

RESEARCH DAY 2014 AND 2015
Each year the School of Pharmacy hosts its Annual Research Recognition Day. In the past two years over 100 posters were presented by graduate and professional students as well as those undergraduate students from the College of Science and Technology who pursued research in the School of Pharmacy labs, along with their faculty mentors.

The 2014 Research Day began with a lecture entitled: “Vaccines and the Public Health” by Dr. Emilio A. Emini, Senior Vice President, Vaccine Research & Development, Pfizer, Inc. In 2015 “The ABC’s of Building a Successful Translational Research Career: Focus on C” was presented by Dr. Kevin W. Garey, Professor and Chair, Department of Clinical Sciences and Administration, University of Houston College of Pharmacy. Following a luncheon, the students presented their research to judges from industry, health care and academic institutions. After the awards ceremony a reception was held for all participants.

For a complete list of the winners, please visit temple.edu/pharmacy.

TUSP/AMCP COLLABORATION
In March 2015 the Temple University School of Pharmacy (TUSP) Chapter of the Academy of Managed Care Pharmacists (AMCP), collaborated with the AMCP chapters of two other Philadelphia pharmacy schools to host nine roundtable discussions on non-traditional pharmacy career paths. CEO of AMCP Edith Rosato ’82, was the featured keynote speaker.

For a complete list of the winners, please visit temple.edu/pharmacy.
PHARMACY STUDENTS “GIVE BACK TO TEMPLE”

In October of 2014 the TUSP student chapters of the PA Health Systems Pharmacists, the American Pharmacists Association and the American Society of Consultant Pharmacists, hosted a health fair at the Howard Gittis Student Union Center on Temple University Main Campus. The event was open to all students, faculty, staff and community neighbors. Students presented posters about migraine headaches and educated participants on the triggers, signs, symptoms and treatment options.

DIRECT ADMIT PROGRAM FOR HIGH SCHOOL SENIORS

Beginning with the Fall 2015 semester, high school students can choose to enroll in the newly established Direct Admit Doctor of Pharmacy program at Temple’s College of Science and Technology (CST). This option will afford students the opportunity to be granted a conditional acceptance into the PharmD program upon admissions into (CST) and be awarded a Bachelor’s Degree in Pharmaceutical Sciences upon completion of the first year of the PharmD program. This program was developed by Associate Deans Ina Calligaro and Michael Borenstein in collaboration with colleagues from CST and the Office of Vice Provost for Undergraduate studies at Main Campus.

RENZULLI SCHOLARS

Michael Renzulli ’63, a third generation alumnus whose father Dante ’39, and grandfather Michele ’18, also graduated from the School, established the Renzulli Family Scholarship Fund in 2010. This prestigious scholarship award recognizes PY3 and PY4 students who demonstrate outstanding leadership through the promotion of professional initiatives within the School of Pharmacy.
SCHOOL OF PHARMACY

ASHP HONORS PHARMACY STUDENTS FOR CAMPUS, PRACTICE LEADERSHIP

ASHP recognizes twelve pharmacy students from across the country for their achievements in campus leadership and pharmacy practice in hospitals or ambulatory care clinics (including professional work experience, internships and other accomplishments) with the ASHP Student Leadership Award. Nicole Hollinger, PharmD candidate Class of 2015, was a recipient of this impressive award. The award, sponsored by ASHP and the ASHP Research and Education Foundation, is given to student members in their second through fourth professional years of pharmacy school.

STUDENTS WIN GOLD AT PPA COMPETITION

In January 2014 the Pennsylvania Pharmacists Association hosted its Annual Self-Care Competition with teams from each of the seven Pennsylvania Pharmacy Schools participating. The signature event of the PPA Mid-Year Conference is the student OTC Competition sponsored by the National Alliance of State Pharmacy Associations (NASPA), Non-prescription Medicine Academy (NMA) and Proctor and Gamble. Student participants competed in venues similar to the television show Jeopardy, where teams from each school face off and answer questions from a game board with “interesting” self-care categories. All questions relate to over-the-counter medications and self-care treatments. Temple School of Pharmacy came in first place and took home the gold.

Pictured right (from left to right), Team Gold Temple, Emalee Hribick ‘16, Hasan Al-Hasani ‘16, Patrick Haar ‘14 and Justin Nixon ‘14

STUDENTS EXCEL WITH NABPLEX PASS RATE 2013-2015

The School is proud to report that the NABPLEX Pass rate for the May-September cohort of the classes of 2013-2015 exceeded the national pass rate.

<table>
<thead>
<tr>
<th>Class of</th>
<th>Temple</th>
<th>National</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>99.2%</td>
<td>95.57%</td>
</tr>
<tr>
<td>2014</td>
<td>97.6%</td>
<td>95.61%</td>
</tr>
<tr>
<td>2015</td>
<td>95.97%</td>
<td>93.86%</td>
</tr>
</tbody>
</table>

TEMPLE VS. NATIONAL

STUDENTS EXCEL WITH NABPLEX PASS RATE 2013-2015

THE DELAWARE VALLEY SOCIETY OF HEALTH-SYSTEM PHARMACISTS’ ANNUAL RESIDENCY SHOWCASE

The Delaware Valley Society of Health-System Pharmacists’ (DVSHP) Annual Residency Showcase which allows residency programs to meet with students about residency and fellowship opportunities post-graduation was held in October 2014. A large number of Temple students and faculty attended; Drs. Christina Rose, Nima Patel, Jason Gallagher, Jacqueline Theodorou and Lawrence Carey. Several alumni were there in their new roles as residents and fellows, including Drs. Kavita Patel; Eris Cani; Elizabeth Giunta; Brittany Cael and Janelle Mikulca.

SCHOOL OF PHARMACY CELEBRATES CULTURAL DIVERSITY DAY

In October of 2014 The School of Pharmacy celebrated cultural diversity day which showcased how pharmacy is practiced worldwide. The day was coordinated by Phi Lambda Sigma and The Cultural Diversity Day Committee and supported through a grant from Walgreens Corporation.

Left to Right: Dr. Rucha Shah (PGY1 resident in pharmacy practice), Dr. Candis McGraw (PGY2 resident in ambulatory care), Dr. Yogini Patel (PGY1 resident in pharmacy practice), Dr. Brittany Cael (PGY1 resident in pharmacy practice), Dr. Christina Rose (faculty) and Dr. Eris Cani (PGY1 resident in pharmacy practice)

Students present traditional hat dance
GUATEMALA MISSION

The School of Pharmacy is dedicated to global health and improvement of access to care as well as quality of life. To uphold this philosophy, TUSP supports annual missions to Vietnam and Guatemala. These missions provide students a broader understanding of pharmaceutical care to the underserved and experiencing in-depth civic and social responsibility at the local level.

A total of 27 Pharmacy students in the past two fiscal years, accompanied by two faculty members and an Emerging Leaders Resident, traveled to the Patanatic region of Solola, Guatemala for a 7-day mission. The first team visited in the summer of 2013 included: Bo Lee, Elizabeth Giunta, Eri Jibowo, Jaclyn Beckett, Kemeisha Taylor, Lauren Navarre, Rashida Jones, Thanh La and Wei Leong (Class of 2014). They were precepted by Chidinma Onukogu, PharmD, PGY2 Ambulatory Care Resident, and faculty members Drs. Mirza Perez and Nicole Sifontis. The team conducted medical exams for Patanatic and Cerro de Oro elementary school students, initiated home visits where they performed blood pressure and diabetes screening and follow up and also assisted with inspection of the drinking water filtration system.

Team members visiting in the spring of 2014 included: Samantha Brown, Marissa Casagrande, Rona Farighi, Alexandra Hanretty, Nicole Hollinger, Kimberly Kulick, Gracja Osinska, Hatil Patel, Jeremy Wolfe, Alexis Gross, Emalee Hribick, Ashley Riggs, Erika Goldberg, Liza Ferri, Maria Parra, Tonisha Thompson, Timothy Eboli, Ekaterina Kachur, and Liza Ferri. They were precepted by Dr. Candis McGraw, PharmD, PGY2 Ambulatory Care Resident and faculty members Dr. Nicola Sifontis. In addition to drinking water filtration inspections, home and school medical check-ups and screenings, this group also participated in new and expanded health-care efforts. They conducted a deworming campaign for 100% of the children at the elementary school in Patanatic and Cerro de Oro, and a health promotion program relating to hand hygiene and healthy eating. The team also coordinated a full day of diabetes and cholesterol screenings, check-ups and vaccinations, this group also participated in home visits and medical check-ups.

This Mission brought approximately 933 universal socket prosthetics to amputees and held free clinics treating over 5,500 patients during the last two Pharmacy Missions.

ALUMNI ASSOCIATION ELECTS NEW OFFICERS

New Officers were elected to the Pharmacy Alumni Association for a two-year term ending in May 2016. Dr. Stephen Pfeiffer ’85 was elected to the role of President; Gilbert Rudman Esq. ’68 assumed the role of Vice President; Dr. Sejal Patel ’08 assumed the role of Secretary and Dr. Francis Al Rubino ’12 assumed the role of Treasurer.

President Theobold and Dean Doukas gather with alumni at a rainy Homecoming.
A MESSAGE FROM

Brenda Malinics
Director of Alumni Relations & External Affairs

GALLERY OF SUCCESS
The Gallery of Success honors those Temple Alumni who have attained success through their professional accomplishments and who serve as an inspiration to Temple students.

Rear Admiral Scott Giberson ’93, was the 2013 Gallery of Success recipient. RADM Giberson is the United States Assistant Surgeon General, Chief Professional Officer for the pharmacy category of the U.S. Public Health Service (USPHS) and the first Director of the Division of Commissioned Corps Personnel and Readiness. In that capacity he has operational leadership over 6,700 Commissioned Corps officers of the USPHS, one of the seven uniformed services of the United States.

In 2001 he was part of the government response to the Anthrax attacks in New York City and was later chosen by his peers as the national coordinator for over 40 response teams under the newly-formed Department of Homeland Security. In 2003, RADM Giberson was detailed to the Department of Defense (DOD) for three years. He led multiple international health missions for the U.S. Pacific Command involving more than 23 countries and was awarded the DOD Meritorious Service Medal.

Judith U. Arnoff, BS ’68 was the 2014 Gallery of Success recipient and is president of J.U. Arnoff & Associates, Inc., a pharmaceutical consulting firm. Having spent the past 40 years in the generic pharmaceutical industry, Mrs. Arnoff was also the first female president of the Philadelphia Drug Exchange, the oldest continuously active trade association in the United States. She has served as the president of the Temple University School of Pharmacy Alumni Association and as a member of the School’s Board of Visitors. She is a strong advocate for cancer-related issues and is a volunteer with the American Cancer Society and Cancer Action Network. She and her husband, Larry, established the Arnoff Endowed Scholarship, which provides assistance to pharmacy students with outstanding academic achievements.

ZAMMARELLI LECTURE SERIES 2014 AND 2015
The Annual Zammarelli Lecture Series was established by Amelia Z. Batastini, PHM ’59, in memory of her parents.

Thomas Snedden Director, PACE Program, Pennsylvania Department of Aging, gave the inaugural lecture in this series in 2014. Mr. Snedden has been the Director of the Pennsylvania Pharmaceutical Assistance Contract for the Elderly, more commonly known as the PACE Program, since 1985. PACE is the largest state pharmacy assistance program in the country. Mr. Snedden is also a co-director for the state pharmacy program consolidation initiative in the Pennsylvania Governor’s Office of Health Care Reform. Mr. Snedden’s long public service career began in 1972 in the Governor’s Office as Director of the Intergovernmental Personnel Programs Division.

Dr. Frank Breve ’81, MBA, CCP, delivered the 2015 lecture. Dr. Breve has been owner and president of Mid Atlantic PharmaTech Consultants, LLC since 1990. He is a Certified Consultant Pharmacist and is currently Chairman of the Board, New Jersey Pharmacists Association and Chair, New Jersey Academy of Consultant Pharmacists. Dr. Breve maintains an affiliation with Kennedy Health System, the University of Medicine and Dentistry of New Jersey, Baxter Healthcare Renal Division and serves on the Joint Commission of Long Term Care Professional and Technical Advisory Board, and is an adjunct instructor at TUSP. He is active in numerous professional organizations.

SPROWLS LECTURE
The Sprowls Lecture is presented annually in conjunction with the Pharmacy Alumni Association in memory of and in recognition of Dean Joseph B. Sprowls (1950-67) and his many contributions to the School, the University and the profession of Pharmacy.

Marilou Watson ’91, a registered pharmacist and U.S. patent attorney, presented the 2014 Sprowls Lecture, entitled “Pursuing your Passion in Pharmacy Practice, a Pathway to the Profession of Patent Law” in March 2014. A partner at Fox Rothschild, LLP, a full-service law firm, Marilou represents clients in all aspects of intellectual property law with a particular emphasis on foreign and domestic patent prosecution; client counseling; and infringement analysis.

Lonnie Moulder ’80 presented the 2015 Sprowls Lecture, entitled “The Economics of Biopharmaceutical Innovation.” Lonnie is the CEO and Founder of Tesaro, Inc., an oncology-focused biopharmaceutical company based in Waltham, MA, and a Temple University Trustee. Lonnie began his career as a clinical pharmacist at Temple University Hospital. He graduated with an MBA from the University of Chicago in 1997 and in 1999 Lonnie was recruited by the board of directors of MGI Pharma, Inc. to join the company as executive vice president. He became Chief Operating Officer in 2002, and President and CEO in 2003.

WHITE COAT CEREMONY
The annual September White Coat Ceremony is a transitional ceremony for students entering the profession of pharmacy where they receive their lab coat and school pin, and take the Oath of the Pharmacist for the first time.

The 2013 White Coat Ceremony welcomed 154 students into the class of 2018. Gilbert Rudman ’68, Vice President, Pharmacy Alumni Association, presented the Distinguished Pharmacist Practitioner Award to Robert Frankil ’85 who delivered a keynote address entitled, “Advocacy and Action: Prescription for Success.”

Corporate sponsors in 2013 include: ACME/Savon, CVS Corporation, RiteAid Corporation and the Philadelphia Association of Retail Druggists.

At both ceremonies, representatives from the Pennsylvania Pharmacists Association and the School of Pharmacy Alumni Association presented welcome gifts to each member of the incoming class.
N THE FALL OF 2013, the School launched a six part lecture series, entitled “The Practical Politics Seminar Series” which was spearheaded by Adjunct Instructors, Loretta Brickman, ’63 and Harold Bobrow, RPh.

US ASSISTANT SURGEON GENERAL REAR ADMIRAL SCOTT GIBERSON ’93 ADDRESSES EBOLA EPIDEMIC

February 2015 introduced President Barack Obama while addressing an audience about America’s leadership in the fight against Ebola Virus Disease (EVD).

Under Giberson’s direction, the U.S. Public Health Service (USPHS) Commissioned Corps opened a treatment center outside of the Liberian capital of Monrovia in mid-November to treat Liberian and international health care workers. Giberson is also CEO of the USPHS Commissioned Corps and Director, Division of Commissioned Corps Personnel and Readiness.

“We will continue to be resilient, and fight this war on Ebola, and win,” Giberson said in a brief speech before introducing President Barack Obama. While Giberson was in Liberia, he said, President Obama called him and noted it was a rare opportunity to save so many lives. He said, “That leader, when others were spreading doubt and fear, was my Commander-in-Chief and our President.” Obama took the opportunity to thank Giberson and his team, as well as many other workers on the front lines and behind the scenes responding to EVD.

to promote advocacy within pharmacy. Political leaders from key pharmacy organizations were invited to address students about the importance of advocacy within their fields.

Speakers included: Stacie Maass, Esq., Senior Vice President, Pharmacy Practice and Government Affairs at The American Pharmacist Association—the largest pharmacy association in the United States;

Matt DiLoreto, Director of State Government Affairs, National Community Pharmacists Association, which represents the pharmacist owners, managers and employees of more than 23,000 independent pharmacies across the US;

William G. Lang IV, MPH, Vice president, Policy and Advocacy for the American Association of Colleges of Pharmacy (AACP). AACP is a national organization representing pharmacy education;

Heidi Ann Ecker, Director of Government Affairs and Grassroots Programs, National Association of Chain Drug Stores (NACDS). NACDS works to advance the interest and objectives of the chain community pharmacy industry by fostering its growth and promoting its role as a provider of healthcare services and consumer products;

Arnold Clayman, PD, FASCP, Senior Director of Professional, Clinical & Governmental Affairs for The American Society of Consultant Pharmacists (ASCP). The ASCP is the only international professional society devoted to optimal medication management and improved health outcomes for all older persons;

Josh Bolin, Member Relations and Government Affairs Director for the National Association of Boards of Pharmacy (NABP). The NABP is the impartial professional organization that supports the state boards of pharmacy in protecting public health and aims to ensure the public’s health and safety through its pharmacist license transfer and pharmacist competence assessment programs.

Christopher Van Vessem
Director of Development

DURING THE MOST RECENT FISCAL YEARS, 2013-14 AND 2014-15, the School received a total of $7,491,378 and received nearly 1,000 gifts for each of the past two years from the School’s alumni, friends, foundations and corporate partners, many of which were either partially or fully designated to an endowment at the School. A full list of donors is available online at: pharmacy.temple.edu/giving/donor-recognition. During those past two years, six named endowments were created:

Leon O. ’80 and Sharon L. Moulder ’80 Endow The Moulder Center for Drug Discovery

Lonnie and Sharon Moulder, both members of the TUSP Class of 1980, pledged $5 million to endow the Moulder Center for Drug Discovery Research. This commitment funds expenses of research personnel salaries, equipment and supply purchases and other costs associated with TUSP’s program in drug discovery.

Joye Ann Billow, PhD ’66 and ’73 Faculty Development Fund

In 2014, the School of Pharmacy received a bequest from Joye Ann Billow, PhD ’66 and ’73. Joye’s estate gift, in excess of $1 million, was split between a newly created fund which will provide an endowment to support School of Pharmacy faculty development, and the Joye Ann Billow Scholarship Fund, which she established in 2008 in memory of her parents, Mary D. and Schuyler E. Billow.

Stanley F. Kulaga Jr. ’60 MD Memorial Scholarship Fund

The Stanley F. Kulaga Jr. MD Memorial Scholarship Fund was established in 2015 from the unrestricted Estate of Stanley F. Kulaga Jr. MD, TUSP Class of 1960, in amount of $1 million dollars. Dr. Kulaga’s family worked closely with the School to establish a scholarship fund for pharmacy students who are not receiving any financial aid, with preference to students from Pennsylvania.

Carl J. Naden ’53 Memorial Scholarship Fund

Dr. Carl J. Naden, ’53, left the School an unrestricted bequest. With guidance from his widow Yvonne Kiesel, a newly named scholarship was created in Carl’s name to provide support to high achieving Doctor of Pharmacy students, who have an economic need.

Randall Chapman ’73 Endowed Scholarship Fund

In early 2015, Randy Chapman, ’73, set up an endowed scholarship fund for students who have completed their third professional year, who are ranked within the 40th to 60th percentile of the class by grade point average, and who have financial need.

School of Pharmacy Alumni Association Professional Development Fund

During the 2013-14 fiscal year, the Alumni Association Board of Directors established a student professional development fund to provide stipends to TUSP students who are selected to attend regional and national pharmacy based conferences.
### 2013-2014 Russell H. Conwell Society Members

**Trustees’ Circle**
- $100,000 and Above
- Merck and Company
- MHR Foundation
- Michael and Victoria Renzulli

**Founder’s Club**
- $50,000 to $99,999
- The Philadelphia Association of Retail Druggists
- Peter H. Doukas
- Erin and James M. Cirillo, Jr.
- Walgreens
- Toby and Joel D. Shpigel
- Independent Apothecary

**Fellows**
- $10,000 to $24,000
- Albertsons’ Stores Charitable Foundation
- Michael R. Cohen
- David M. Haines
- Independent Apothecary
- Toby and Joel D. Shipgel
- Walgreens

**Benefactors**
- $5,000 to $9,999
- Patricia and Andrew A. Brown
- Erin and James M. Ciroli, Jr.
- CVS Pharmacy
- Peter K. Doukas
- Gerald and Suzanne Gane
- Philadelphia Association of Retail Druggists
- Rite Aid Corporation
- The Chemical Heritage Foundation
- Rosalie and Joseph S. Turi

**Friends**
- $2,500 to $4,999
- Lisa Beaver
- Norbert Becker
- Richard Bryan
- Eli Lilly and Company
- Estate of Howard Levin
- Joan L. Ippoliti
- R. J. Rommici

**Johnston & Johnson**
- Regina and Anthony Jurywicz
- Allan and Eileen Kaplan

**Kennedy Pharmacy**
- Wayne Grover Koons
- Bruce and Maureen Laporte
- Kimph Le and Chan Bao Luong
- Joseph F. Mackie, Jr.
- Grace M. Miyawaki

**Modern Drug Company**
- Paul S. Mudrick
- Myrtle R. Ragsdale Trust
- Bang K. Nguyen
- Nam B. Nguyen
- Dennis and Kathleen O’Brien

**Founders’ Club**
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- Randall W. Chapman, II
- Estate of Carl Naden
- Mary and Walter R. Maupay, Jr.
- Carl J. Naden

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**Chemical Heritage Foundation Walgreens**
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**Autumn Kwansy**
- David R. Kwansy
- George C. McCormick
- Patricia P. McCormick
- Mead Johnson Nutrition
- Pfizer Foundation

**Philadelphia Association of Retail Druggists**
- Publix Super Markets
- Roth International
- Kelly G. Sauer
- Robert W. Sauer
- Richard Horton Swope
- The Chemical Heritage Foundation
- Wal-Mart Stores

**Members**
- $1,000 to $2,499
- Christine Alderete
- Judith and Lawrence Arnow
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- Paul F. Batzstan
- Amelia and Dr. Paul J. Batzstan, Jr.
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- Erin A. Bettine
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- Irwin S. Gibbs and Andrea Gibbs
- Trevor and Madeline Glenn
- Lewis F. Gould, Jr.
- Joel G. Hart
- Lesley Ann Hughes
- James E. Culbert Trust

**Truste’s Circle**
- $100,000 and Above
- Joyce Ann Billow
- Estate of Joyce Ann Billow
- Estate of Stanley F. Kula
- Flight Attendant Medical Research Institute
- Stanley F. Kula, Jr.
- Merck and Company
- Sharon and Leon O. Moulder, Jr.
- Moulder Foundation

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- Lewis F. Gould, Jr.
- Lynne and Grady Grant, III

**Johnston & Johnson**
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- David and Autumn Kwansy
- Philadelphia Association of Retail Druggists
- Roth International
- Richard and Joyce Swego
- Rosalie and Joseph S. Turi
- Walmart
- Karen R. Zimm

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- Judith and Lawrence Arnow
- Rose Mahon Beck
- Francis Joseph Berenato, Jr.
- Erin A. Bettine
- John Braythwaite
- Linda and Franklin Breve
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- Frank A. Rubino Trust
- Antoinette and Francis Rubino, Sr.
- Beatrice Schwartz
- Lewis R. Schwarz
- Susan A. Seltzer - Reaching Pharmacists
- With Help
- June Hopp Seguinot
- Peter Seguinot III
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- Merle and Nathan Singer
- Robert E. Singiser
- Mathew S. Slapkoer
- The Frick Family Fund
- The Sherako Trust
- Joseph S. Tomko
- June and Stuart Wesbury, Jr.
- Carlyle C. Wetherby
- Janice and Bruce Young, Sr.

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- MHR Foundation
- Grace M. Miyawaki
- Modern Drug Company
- Paul S. Mudrick
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- Nam B. Nguyen
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- Michele and Alan E. Royce
- Eugene and Michael Ruane
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- Antoinette and Francis Rubino, Sr.
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- Kelly and Robert Sauer
- Lewis R. Schwarz
- Frank and Judy Sherako
- Leslie Tadzynski Shur
- Robert E. Singiser
- Mathew S. Slapkoer
- Judith Stephens
- Anita and John S. Stevens, Jr.
- Temple University School of Pharmacy

**Class of 2014**
- The Frick Family Fund
- The Prescription Center
- The Sherako Trust
- Joseph S. Tomko
- June and Stuart Wesbury, Jr.
- Carlyle C. Wetherby
- Janice and Bruce Young, Sr.

A complete list of donors from 2013-2015 is available at temple.edu/pharmacy.
**FACULTY INTERESTS & ACCOMPLISHMENTS**

**CLINICAL PHARMACY SPECIALTY AREAS—PHARMACY PRACTICE**

- **Jennifer L. Andres, PharmD, BCPS, BCPS**
  Clinical Assistant Professor of Pharmacy Practice
  Ambulatory Care, Internal Medicine

- **Michael C. Barros, PharmD, BCPS, BCACP**
  Clinical Assistant Professor of Pharmacy Practice
  Ambulatory Care

- **Neela Bhajandas, PharmD**
  Clinical Assistant Professor of Pharmacy Practice
  Pulmonary, Lung Transplantation, Critical Care

- **Ina Calligaro, PharmD**
  Associate Clinical Professor of Pharmacy Practice
  Internal Medicine, Home Intravenous Therapy

- **Lawrence P. Carey, PharmD**
  Clinical Associate Professor of Pharmacy Practice
  Internal Medicine, Preventive Care

- **Marissa Cavaretta, PharmD, BCPS, BCACP**
  Clinical Assistant Professor of Pharmacy Practice
  Internal Medicine, Transitional Care

- **Rachel Clark, PharmD, BCPS**
  Clinical Professor of Pharmacy Practice
  Cancer Pain Management, Oncology

- **Marquette Cannon-Babb, PharmD**
  Professor of Clinical Pharmacy
  Associate Dean of Admissions
  Geriatrics

- **Christine Fitzgerald, PharmD, BCPS**
  Clinical Assistant Professor of Pharmacy Practice
  Neurology

- **Jason Gallagher, PharmD, FCP, FIDSA, BCPS**
  Clinical Professor of Pharmacy Practice
  Infectious Diseases

- **Michael Jacobs, PharmD**
  Professor, Clinical Pharmacy
  Pulmonary, Clinical Trials Management

- **Susan Kent, PharmD, CGP**
  Clinical Assistant Professor of Pharmacy Practice
  Ambulatory Care, Geriatrics

- **Michael Mancano, PharmD**
  Chair and Clinical Professor of Pharmacy Practice
  Drug Information, Adverse Drug Reactions, Biostatistics

- **Deborah Mayo, PharmD, BCPS, BCACP**
  Adjunct Clinical Associate Professor of Pharmacy Practice
  Ambulatory Care, Cardiology

- **Patrick Mcdonnell, PharmD**
  Clinical Professor of Pharmacy Practice
  Pulmonary, Clinical Trials Management

- **Nima Patel-Shori, PharmD, BCPS, BCACP**
  Clinical Professor of Pharmacy Practice
  Cardiovascular Care, Hypertension, Lipid Disorders, Women’s Health, Preventive Care

- **Mirza Perez, PharmD, BCPS**
  Adjunct Clinical Associate Professor of Pharmacy Practice
  Internal Medicine, Anticoagulation, Women’s Health, Diabetes

- **Talitha Pulvino, PharmD, BCPS**
  Clinical Associate Professor of Pharmacy Practice
  Ambulatory Care, Anticoagulation

- **Melissa Raniere, PharmD**
  Clinical Associate Professor of Pharmacy Practice
  Internal Medicine, Drug Interactions

- **Christina Rose, PharmD, BCPS**
  Clinical Associate Professor of Pharmacy Practice
  Critical Care, Respiratory Care

- **Melissa Rotz, PharmD, BCPS**
  Clinical Assistant Professor of Pharmacy Practice
  Ambulatory Care

- **Charles Ruchalski, PharmD, BCPS**
  Clinical Professor of Pharmacy Practice
  Ambulatory Care, Neurology, Diabetes, Asthma Management

- **Nicole Sifontis, PharmD, FCP, BCPS**
  Clinical Assistant Professor of Pharmacy Practice
  Pharmacotherapy

- **Jacqueline Theodorou, PharmD, BCPS**
  Clinical Assistant Professor of Pharmacy Practice
  Transplant Pharmacotherapy

- **Nicole Sifontis, PharmD, BCPS**
  Clinical Professor of Pharmacy Practice
  Pharmacotherapy

- **Kimberly Toussaint, PharmD, BCPS**
  Clinical Assistant Professor of Pharmacy Practice
  Internal Medicine, Pharmacotherapy

- **Albert Wertheimer, PhD**
  Professor of Pharmacy Practice
  Pharmacoeconomics, Outcomes Research, Comparative Effectiveness

- **Craig Whitman, PharmD**
  Clinical Associate Professor of Pharmacy Practice
  Critical Care Medicine

**RESEARCH INTERESTS—PHARMACEUTICAL SCIENCES**

- **Magid Abou-Gharia, PhD, FRSC**
  Investigator of the National Institutes of Health (NIH)
  Medica Research Assistant Professor
  Research Assistant Professor
  Pharmacology and Genetic
  Pharmacology

- **Dr. Jon H. Condra**
  Associate Professor of Pharmacology
  Clinical Sciences
  Large molecule therapeutic agents/biologics

- **Reza Fasshi, PhD**
  Professor of Pharmaceutics
  Biopharmaceutics and design of modified and novel drug delivery systems.

- **Marc A. Ilies, PhD**
  Associate Professor of Instruction
  Medicinal Chemistry
  Synthesis of novel chemotherapeutic agents.

- **Marlene Jacobson, PhD**
  Associate Professor of Pharmaceutics
  Pharmacology and Genetic
  Pharmacology

- **Benjamin Blasch, PhD**
  Assistant Professor of Medicinal Chemistry
  Medicinal Chemistry; Drug Discovery; design and synthesis of novel chemical probes for therapeutic targets.

- **Michael R. Borenstein, PhD**
  Associate Professor of Medicinal Chemistry
  Medicinal Chemistry; Design and development of novel screening methodologies.

- **Evgeny Krynetskiy, PhD**
  Associate Professor of Pharmaceutics
  Pharmacogenomics and molecular pharmacology.

- **Kenneth Korzekwa, PhD**
  Associate Professor of Pharmacogenomics and molecular pharmacology.

- **Reza Fasshi, PhD**
  Professor of Pharmaceutics
  Biopharmaceutics and design of modified and novel drug delivery systems.

- **Robert B. Rafta, PhD**
  Professor of Pharmacology
  Pharmacogenomics and molecular pharmacology.

- **Sarita Nargi, PhD**
  Associate Professor of Pharmaceutics
  Drug metabolism; Pharmacokinetics and Pharmacogenomics.

- **Robert A. Walker, PhD**
  Professor of Pharmacodynamics
  Pharmacodynamic modulation of anaglesia, antidepressive, and feeding.

- **Ellen A. Walker, PhD**
  Professor of Pharmacodynamics
  Pharmacodynamic modulation of anaglesia, antidepressive, and feeding.

- **Ho-Lun Wong, PhD**
  Associate Professor of Pharmaceutics
  Development of novel drug delivery systems.

- **Joanne Zue, PhD**
  Research Assistant Professor
  Drug and gene delivery.

For a list of faculty awards and publications from 2013-2015, please visit temple.edu/pharmacy.
ADMINISTRATION AND STAFF

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Michelle Smith, BS, Executive Assistant
Ngoc Tran, PharmD, Research Assistant*
Christopher Van Vessem, MS, Director of Development
Leigh Webber, RPh, Experiential Education Coordinator
Min Ye, MS, Assistant Scientist

* 2013 new hire
** 2014 new hire

Students raise awareness of kidney disease on World Kidney Day.