



Our Mission

The mission of Chicago State University College of Pharmacy (CSU-COP) is the development of student and faculty scholars who will impact the health care needs of people in the region, state, and the nation. The College will provide a strong foundation in the knowledge, integration, and application of the biomedical, pharmaceutical, social/behavioral/administrative, and clinical sciences to transform students into practitioners who are committed to humanistic service, capable of providing patient-centered care, and innovative leaders who will advance the pharmacy profession. The College embraces the mission of the University to educate individuals from diverse backgrounds to enhance culturally competent care and reduce health care disparities.

Our Goals

To accomplish its mission, the College of Pharmacy is committed to:

- Recruiting, retaining, and graduating student pharmacists from diverse populations;
- Recruiting, hiring, and retaining qualified faculty from diverse populations who will be engaged as teachers, scholars, researchers, service providers, mentors, and leaders;
- Recruiting, hiring, and retaining staff dedicated to supporting the College's educational mission;
- Offering a curriculum that cultivates analytical thinking, ethical reasoning and decision-making, intellectual curiosity, multidisciplinary and inter-professional collaboration, professionalism, and service;
- Enabling students and faculty to provide patient-centered care to diverse patient populations through the safe, evidence-based and cost-beneficial use of medications;
- Fostering an environment for student engagement that encourages leadership in campus, public, and professional communities;
- Refining programmatic and curricular goals, policies, and procedures through ongoing assessment and evaluation;
- Establishing and enhancing community, educational, and professional partnerships;
- Expanding institutional resource capabilities through active pursuit of extramural funding support;
- Developing and strengthening postgraduate education and training opportunities;
- Providing programs and services that promote a supportive atmosphere for lifelong learning and continued personal and professional development for students, alumni, faculty, and staff.



Dean's Corner

Dear Colleagues, Friends and CSU-COP Family,



Academic year 2012-13 was a successful and exciting time for the CSU College of Pharmacy, as you'll read in this edition of *The College of Pharmacy Annual Report*. With the graduation of our second class of student pharmacists, we increased the number of pharmacist alumni focused on improving the quality and availability of health care services throughout Chicago and beyond. The many programs and initiatives undertaken by the College's student pharmacists, faculty, and staff embodied our Vision and Mission through a strong spirit of community and service.

The College recruited and retained high-caliber faculty and administrators to enhance its strategic growth in addition to a student body reflecting academic excellence and diversity. With the achievement of Accreditation Council for Pharmacy Education (ACPE) Continuing Pharmacy Education (CPE) Provider Accreditation, the College has begun to develop a growing continuing professional education program. Local and national recognition for our student pharmacists and faculty engaged in health care, service, research, and leadership-related endeavors, has increased substantially.

The receipt of a \$250,000 gift from CVS/Caremark will support the creation of a student center and technology laboratory to enhance student learning. In addition, a \$125,000 gift from Cardinal Health will be used to promote student scholarships, community-related health care education and independent pharmacy ownership. Newly formed collaborations among college faculty, pharmacy practice sites, corporate sponsors, and other supporters continue to enhance the College's academic and research infrastructure.

The growth of interprofessional collaborations is flourishing between the University's Colleges of Arts and Sciences, Health Sciences, and Pharmacy. Students from all three colleges are collectively engaged in academic and community outreach initiatives. Great progress has been made and additional work continues within this important area. The College also celebrated the life and achievements of our colleague and friend, Dr. Beverly Talluto, who lost her brave fight against breast cancer in July 2013. Her contributions to the College and the profession were numerous and she will truly be missed.

I invite you to revisit academic year 2012-13 through the pages of this report. As you read about the College's activities, with a particular emphasis on student accomplishments, please join me in congratulating the entire college community on their sustained contributions — through the important work of discovery, teaching, learning and providing care — that are shaping the future of tomorrow's health care every day.

Thank you for your interest and support of the CSU College of Pharmacy. I look forward to working with and hearing from you as we continue on this exhilarating journey!

A handwritten signature in black ink that reads "Miriam A. Mobley Smith". The signature is fluid and cursive.

Miriam A. Mobley Smith, PharmD, FASHP
Dean and Professor Chicago State University
College of Pharmacy



Power of One

Giving

Fiscal year 2012-2013 was another good year for Chicago State University College of Pharmacy (CSU-COP). The fiscal year began with a six-figure investment of \$250,000 from CVS/Caremark for the development of the CVS/Caremark Student Center and Technology Laboratory. This donation will help improve the College's physical space and technology resources, which will greatly enhance student success within the College of Pharmacy.

The grant, disbursed over a five-year period, will support pharmacy students by providing:

- Integrative learning—The laboratory will provide students with an opportunity for small group, hands-on experiences to help them prepare for and conduct presentations, and use new technology in their preparatory efforts.
- Development of practical skills to enhance scholarship—The new center will be used to enhance faculty-student engagement. Through this experience, students will improve and expand their oral, writing, and research skills.
- Social interaction—Students will work together to strengthen intercultural language, values, and traditions to foster a team spirit and promote quality objectives.

CVS/Caremark is the largest integrated pharmacy company in the United States and employs more than 24,000 pharmacists. "CVS/Caremark is pleased to support Chicago State University's College of Pharmacy and its mission to educate and train new generations of pharmacists," said Papatya Tankut, Vice President of Pharmacy Affairs at CVS/Caremark. "The CVS/Caremark Student Center and Technology Laboratory will help ensure that students are prepared for success in a rapidly evolving pharmacy industry."

During the fiscal year, CSU-COP launched the **inaugural faculty and staff annual giving program** entitled "We Live It." CSU faculty and staff contributed \$12,589 through the program to support student experiences and scholarships.

Finally, the fiscal year concluded with a six-figure investment of \$125,000 from Cardinal Health. This significant gift was awarded to fund scholarships for pharmacy students interested in independent pharmacy ownership. The grant marked Cardinal Health's first financial gift to the college.

"Cardinal Health's investment toward our students' success speaks volumes about their commitment to ensuring we develop talented health professionals to address the health care needs and challenges of all individuals," said CSU-COP Dean Miriam A. Mobley Smith, PharmD, FASHP. "I am truly excited about this new investment, and look forward to working closer with Cardinal Health over the next few years and beyond."

Along with these significant gifts, CSU-COP received multiple gifts of support from several individuals, corporations, and foundations.

The Power of One

It takes a community of individuals to educate **ONE** CSU pharmacist:

- **Mentors** — teachers, family members, and patients — help future pharmacists see the value in everything they do.
- **Partners** provide student scholarships, internships, and pre-graduation jobs.
- **Preceptors** create opportunities to sharpen practice skills with hands-on learning experiences.
- **Faculty members** teach lessons that reach beyond the traditional classroom.



ONE CSU pharmacist can influence the health outcomes of an entire community.



Paying it Forward



Her ability to crush language barriers that can stop Chinese immigrants from making healthier choices has been a source of pride for student pharmacist **Bernice Man**. In academic year 2013-14, she received a prestigious Schweitzer Fellowship to support her patient education and advocacy work with residents of Chicago's Chinese American Service League (CASL) Senior Housing.

Her father, Manfred, a physician, and her mother, Brigid, a nurse, provided a family life that Bernice feels fortunate to have had. This fuels her desire to give back. "I would like to be other people's advocate for health care," Bernice says. "There are people in my parents' immediate families [in Hong Kong] who have been adversely affected by a lack of [health] knowledge. I want to help others because not everyone is as lucky as I am."

Bernice's weekly visits to the senior center – where she offers blood pressure screenings and patient education workshops in Cantonese – quickly became a family affair. Because Cantonese is not her first language, Bernice's parents join her once a week to help translate. Dr. Manfred Man has also started visiting the center once a week to answer medical questions and explain any physician instructions the Chinese-speaking patients may not quite understand.

*After a five-year career in graphic arts and filmmaking, **Bernice Man** says she has finally discovered her professional niche with pharmacy. Bernice is a 2013 recipient of the CVS/Caremark Trust scholarship.*





Sharing Expertise with Students



Preceptor **Danielle Brown-Alm, PharmD**, gives CSU pharmacy students a first-hand look at the intricacies of administering pharmacy services to a hospital's youngest and tiniest patients. A pediatric clinical pharmacy specialist at the University of Chicago's Comer Children's Hospital, Dr. Brown-Alm is part of a comprehensive medical team that delivers general pediatric care (GI, liver, neurology, and nephrology) and Hematology-Oncology treatments for children.

Families often travel thousands of miles to receive care from the Chicago hospital's medical team. Many parents and family members arrive feeling traumatized by the severity of their child's disease. Helping student pharmacists develop counseling skills that strike the delicate balance between calming family concerns and garnering information from patients who may not be mature enough to effectively communicate about their health condition is a worthwhile challenge, Dr. Brown-Alm says.

"You have to talk on an appropriate level for children. Sometimes you have to ask questions multiple times and in different ways," Dr. Brown-Alm explains. Over the course of six-week rotations filled with patient interactions and other practical experiences, most student pharmacists are able to refine their bedside manners; several opt to pursue pediatric pharmacy residencies after graduation. "It's very rewarding to watch students learn and master the skill of pediatric medicine. I love what I do."

Dr. Brown-Alm is the College of Pharmacy's 2013 APPE Preceptor of the Year. The approximately 10 student pharmacists who trained under Dr. Brown-Alm in 2012-13 nominated her for this honor.



A Guiding Light

Student pharmacist **Julia Sears** had an interest in research — an interest **Melany Puglisi-Weening, PhD**, associate professor of pharmaceutical science, felt compelled to nurture. “To me, it’s about student success. I want to see people have opportunities to reach the goals they have in life and have fun getting to them,” Dr. Puglisi-Weening says.

When Dr. Puglisi-Weening’s own professional mentor, David Newman, PhD, chief of the National Cancer Institute’s (NCI) National Products Branch, took an interest in her students’ research applications and offered Julia Sears an opportunity to shadow his NCI research group, Dr. Puglisi-Weening started the process to make it happen.

Julia spent two weeks at the NCI’s Frederick, Maryland, facility observing and absorbing the work of Dr. Newman’s research team. “She came back and it was like, ‘wow!’,” says Dr. Puglisi-Weening. “She came back with all these ideas for cutting-edge research projects she wants to do.”

Julia continues her research under Dr. Puglisi-Weening’s guidance. Inspired by her trip to the NCI, she is conducting a small-scale study of marine bacteria and fungi.

Dr. Puglisi-Weening mentors 14 student pharmacists in various stages of their education. She offers an elective research course that provides hands-on experience in her laboratory, and an annual trip to the Florida Keys to collect samples and study marine microorganisms and the environment.

Right Place. Right Time.



A part-time job at Vista East Hospital in Waukegan, Illinois, led fourth-year student pharmacist **Brandon Orawiec** to provide patient education that one elderly couple may never forget. He had just finished filling automated dispensing machines at a nurse's station and was returning to the pharmacy when the couple called him into a nearby patient room for a chat. After learning he was a pharmacy student, small talk turned into an appeal for Brandon's thoughts about a costly medication regimen that could help the wife avoid surgery to treat a bone ailment.

"They were debating between two options and figured they'd bounce the idea off me. It was a pretty big decision they were making," the student pharmacist says. Initially, Brandon couldn't offer any insights about the medication and its effectiveness. "It's not one that you see every day. We hadn't studied it yet in class."

During his lunch hour, Brandon researched the medication. He also found a manufacturer's coupon that could help defray some of the couple's costs in case they decided that the medication was the best option. Although Brandon never found out which treatment option the couple chose, he hopes he gave them enough information to make a more informed decision and feel comfortable in making their choice. "They were just saying 'thank you' [over and over again]. They even said, 'Your mom did a nice job raising you,'" he recalls.

Brandon Orawiec began work in the Vista East Hospital Pharmacy in 2007, when he was a high school student. He previously worked two jobs to help finance his pharmacy education. In 2013, Brandon received the Illinois Council of Health-System Pharmacists Student Award and Scholarship.



The Power of One

In academic year 2012-2013, eight corporations and 11 organizations/foundations funded 57 scholarships for CSU student pharmacists. The College of Pharmacy's student scholarship program provides much-needed financial assistance to help students afford the costs of their pharmacy education. The scholarships and recipients include:

COLLEGE OF PHARMACY/CSU FOUNDATION SCHOLARSHIP

Tiffany P. Brown Linh M. Do Gerald G. Enriquez Teresa A. Lewis
Bernice Y. Man Brandon A. Orawiec Keane O. Soluade Thomas Wang

THE CVS/CAREMARK CHARITABLE TRUST, INC. SCHOLARSHIP

Athanasios S. Andriopoulos Tiffany P. Brown
Linh M. Do Bernice Y. Man
Brandon A. Orawiec

THE DOMINICK'S FINER FOODS MINORITY SCHOLARSHIP

Vincent D. Williams

THE ILLINOIS COUNCIL OF HEALTH-SYSTEM PHARMACISTS STUDENT AWARD AND SCHOLARSHIP

Brandon A. Orawiec

THE NATIONAL ASSOCIATION OF CHAIN DRUG STORES FOUNDATION PHARMACY STUDENT SCHOLARSHIP

Nunmoula V. Mazhari Albert J. Nelson
Jay V. Patel Rahmath M. Safvi
Jaclyn C. Sievers

THE STUDENT NATIONAL PHARMACEUTICAL ASSOCIATION (SNPhA) CSU PHARMACY DIVERSITY SCHOLARSHIP

Crystal R. Ellison

THE SUPERVALU PHARMACIES SCHOLARSHIP

Nunmoula V. Mazhari Jay V. Patel
Rahmath M. Safvi Nataliya Sidelnikova
Thomas Wang

THE WALGREENS DIVERSITY SCHOLARSHIP

Teresa A. Lewis Coty B. Tunwar
Elizabeth Philip Vincent D. Williams
Keane O. Soluade

THE WALGREENS DIVERSITY AND INCLUSION EXCELLENCE AWARD

Athanasios S. Andriopoulos

THE WALMART FOUNDATION SCHOLARSHIP

Gagandeep Singh

ACADEMIC EXCELLENCE & LEADERSHIP AWARD (FORMERLY KNOWN AS THE FACULTY/STAFF BOOK AWARD)

Michael Nolan Zipporah Phillips

ACADEMIC EXCELLENCE AWARD

Fisayo Abogunrin Abdel Bello
Crystal Ellison Aisosa Okpogie
Kevin Toms



A Helping Hand

After overhearing the concerns of an elderly patient who couldn't understand why her insurance company wouldn't cover the cost of a shingles vaccination, fourth-year student pharmacist **Vincent Williams** stepped in to help.

"What would I do if this patient was my mother or a relative?" As a Walgreens pharmacy intern in South Suburban Chicago, that's the question Vincent now asks himself at the beginning of every encounter with a patient.

The elderly patient wanted to be immunized. She'd watched several friends struggle with shingles and was afraid of having to deal with the painful symptoms herself. Without insurance, "I knew she couldn't pay for the shot. A shingles shot was \$200," Vincent says.

"Since I was a helping hand, I thought I could really help [the busy pharmacy team] out with this customer," Vincent explains. He called the patient's insurance company and spent an hour working to find a solution. "Being a health care professional, we think about the well-being of others all the time and we holistically think about patients."

In the end, the insurance company covered the cost of the patient's immunization. With her fears eased by the shingles shot, the customer was very, very appreciative.

Vincent Williams is a 2013 recipient of the Walgreens Diversity Scholarship, which he will use to defray the costs associated with taking the North American Pharmacy Licensure Exam in mid-2014. Upon graduating in May 2014, Vincent looks forward to working as a full-time Walgreens pharmacist in South Suburban Chicago and Northwest Indiana.



Opportunity Favors the Prepared

In 2013, the College of Pharmacy hosted the Health Sciences Enrichment Program. Every day for a month, a group of students from Thornton Township High School District 205 visited the CSU campus, where they took math, science, and writing enrichment courses.

In addition to reinforcing fundamental skills needed to successfully pass undergraduate prerequisites for advanced studies in the health professions, the program introduced high school students to various career opportunities in health care. College faculty members also accompanied the high school students on weekly field trips to hospitals, community pharmacies, and other health care environments.

The College hopes this program will show high school students from underrepresented communities that they, too, can have a career in the health professions through hard work and early preparation.

College of Pharmacy

— By the Numbers

349

Number of student pharmacists at Chicago State University College of Pharmacy

17

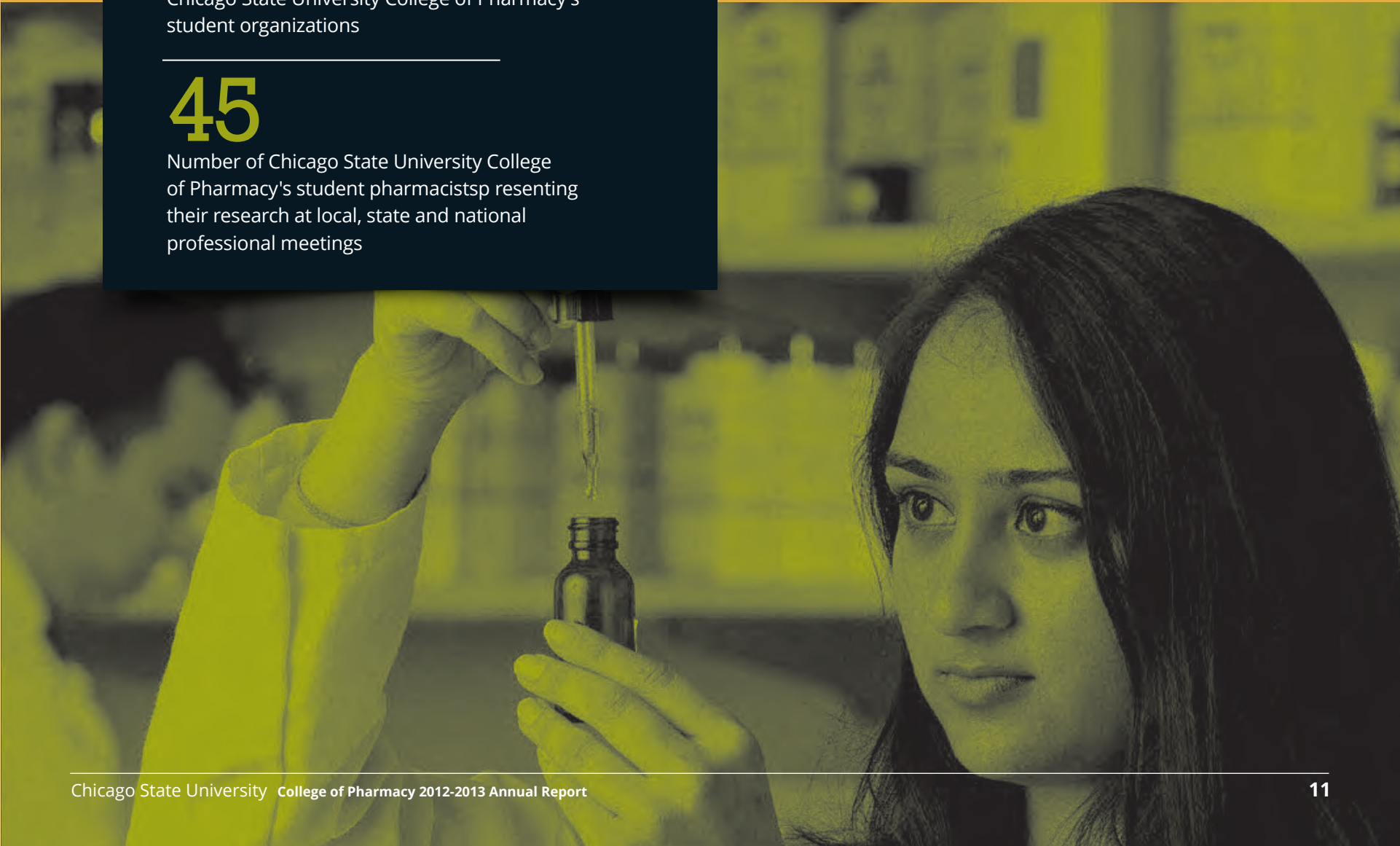
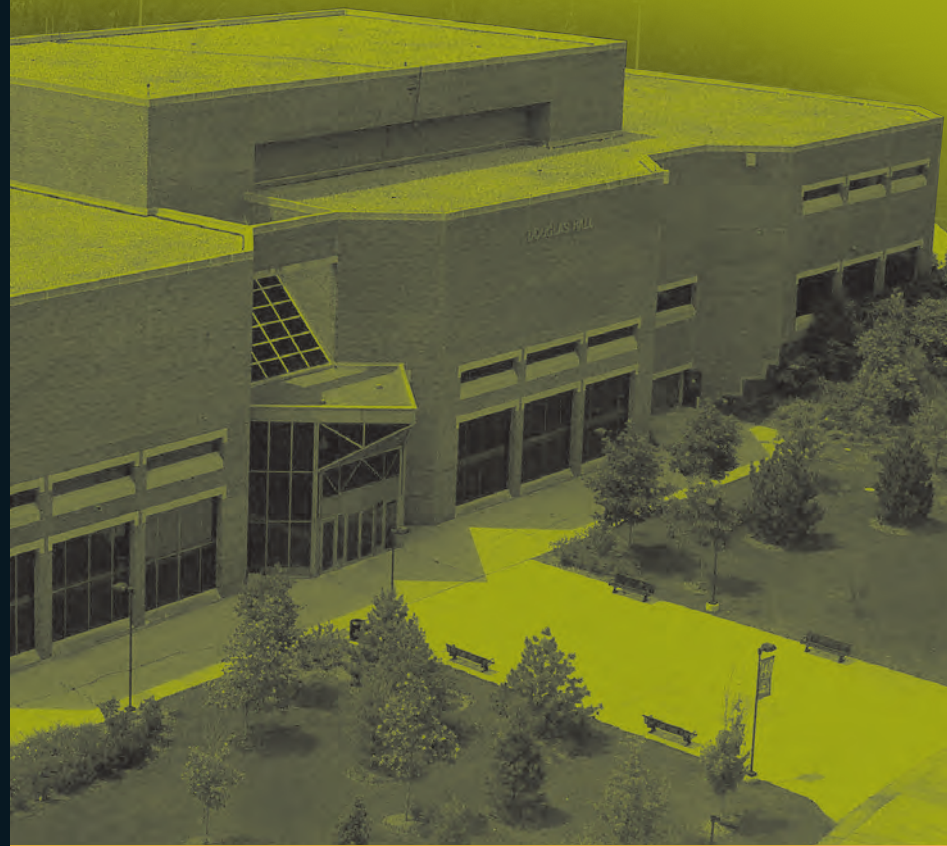
Student organizations at Chicago State University College of Pharmacy

75

Patient advocacy and education outreach activities that were conducted by Chicago State University College of Pharmacy's student organizations

45

Number of Chicago State University College of Pharmacy's student pharmacists presenting their research at local, state and national professional meetings





Fruits of Discovery

“Many times the simplest question brings with it some underlying content that may lead to interesting discoveries,” says **Ehab Abourashed, PhD**, associate professor of pharmaceutical sciences.

Sometimes these discoveries result in scientific breakthroughs — like identifying new substances that can improve or fill a void in the medicines on the market today. In September 2013, Dr. Abourashed received \$114,000 for first-year funding of a 3-year project from the National Institutes of Health (NIH) to continue his search for new plant compounds that can be used to develop better medications for minimizing the anxieties of drug withdrawal. Other discoveries come in the form of personal achievements and self-revelations among students. As early as academic year 2009-10, Dr. Abourashed has exposed many student pharmacists to the intricacies of natural product drug discovery through hands-on, elective research courses in his laboratory. The doors of his research lab were also open to CSU Liberal Arts and Sciences students participating in the campus’ Research Initiative for Scientific Enhancement (RISE) Program.

In addition to leaning the basics of preparing plant extracts and isolating pure natural products to support preliminary work on Dr. Abourashed’s NIH project and other studies, several student researchers discovered the personal satisfaction that comes with observing, recording and presenting the results of their research to

their peers, mentors and scientific community at large. Student pharmacists **Vaidehi Thakkar** and **Jadwiga Zawada** won first place in the 2013 CSU-College of Pharmacy Capstone poster competition and presented their findings at the 2013 American Association of Colleges of Pharmacy (AACP) meeting in Chicago. Both students obtained their Pharm.D. in 2013. Another student researcher – biology major **Triejaye McDowell**, BS ’12 – changed career goals after gaining exposure to the pharmacy profession in Dr. Abourashed’s lab. During that time, Ms. McDowell presented her preliminary findings at the 2012 STEM meeting in Chicago and took second place in the oral presentation competition. She is now pursuing a doctor of pharmacy degree.

Dr. Abourashed is part of a multidisciplinary team of Chicago State University researchers – including CSU-COP researchers **Abir T. El-Alfy, PhD** (Pharmaceutical Sciences), **Diana Isaacs, PharmD** (Pharmacy Practice), and **Sneha Srivastava, PharmD** (Pharmacy Practice) – that received \$1.97 million from NIH to explore better treatment options for people struggling with drug addiction and for patients using medications to keep chronic depression and/or anxiety disorders under control. These COP researchers are credited with securing the first, prestigious NIH grants on behalf of the College.



Student Achievements 2012-2013



Third-year student pharmacists **Jaime Brown** and **Abby Dunker** placed first in the February 2013 Spring Symposium and Research Conference in Science, Technology, Engineering and Math poster competition, held in Lisle, Illinois. The students' poster, titled "Neurotoxic Effects of Acrylamide on Expression of Nr4a2 in the Nervous System of Juvenile Rats," was prepared under the mentorship of Abir El-Alfy, PhD, associate professor of pharmaceutical sciences.

Fourth-year student pharmacist **Rainier Celi** placed third in the February 2013 Spring Symposium and Research Conference in Science, Technology, Engineering and Math poster competition, held in Lisle, Illinois. His poster, titled "Neurotoxic Effects of Acrylamide on Kappa Opioid Receptors in the Nervous System of Juvenile Rats," was prepared under the mentorship of Abir El-Alfy, PhD, associate professor of pharmaceutical sciences.

Fourth-year student pharmacist **Chelsey Imel** placed second in the graduate oral presentation competition at the February 2013 Spring Symposium and Research Conference in Science, Technology, Engineering and Math poster competition, held in Lisle, Illinois. Her presentation, titled "Comparison of Parthenolide Levels in Aquaponically vs. Conventionally Grown Tanacetum Parthenium," was prepared in collaboration with Ehab A. Abourashed, PhD, associate professor of pharmaceutical sciences, and under the mentorship of Melany P. Puglisi-Weening, PhD, associate professor of pharmaceutical sciences.

Fourth-year student pharmacists **Zura Liaqat** and **Aisha Rauf** each received a 2012 Minority Access to Research Career scholarship in the amount of \$3,700 to travel to the American Society for Human Genetics meeting, held May 2012 in San Francisco. These scholarships, awarded by the Federation of American Societies for

Experimental Biology/Minority Access to Research Careers program, were secured under the mentorship of Nadeem Fazal, PhD, associate professor of pharmaceutical sciences.

Third-year student pharmacist **Albert Nelson** placed second in the graduate poster presentation competition, chemistry category, at the February 2013 Spring Symposium and Research Conference in Science, Technology, Engineering and Math in Lisle, Illinois. His presentation, titled "Antibacterial Properties of Extracts of Subtropical Algae Against Potential Bacterial Pathogens," was based on his research prepared in collaboration with Urszula Tanouye and Brian T. Murphy from the University of Illinois at Chicago College of Pharmacy, along with CSU student pharmacist **Shanise Wallace** and Cindy Arocena, PharmD, clinical assistant professor of pharmacy practice, under the mentorship of Melany P. Puglisi-Weening, PhD, associate professor of pharmaceutical sciences.

Third-year student pharmacists **Albert Nelson** and **Shanise Wallace** placed second in the February 2013 Spring Symposium and Research Conference in Science, Technology, Engineering and Math competition in Lisle, Illinois. The students' poster, titled "Antibacterial Properties of Extracts of Subtropical Algae Against Potential Bacterial Pathogens," was prepared under the mentorship of Melany P. Puglisi-Weening, PhD, associate professor of pharmaceutical sciences.

First-year student pharmacist **Julia Sears** and second-year student pharmacist **Damiete Whyte** placed third in the February 2013 Spring Symposium and Research Conference in Science, Technology, Engineering and Math poster competition in Lisle, Illinois. The students' poster, titled "Exploring Marine Natural Products as Sources of Antifungal Compounds Against Known Funga," was prepared under the mentorship of Melany P. Puglisi-Weening, PhD, associate professor of pharmaceutical sciences.

Method of Learning

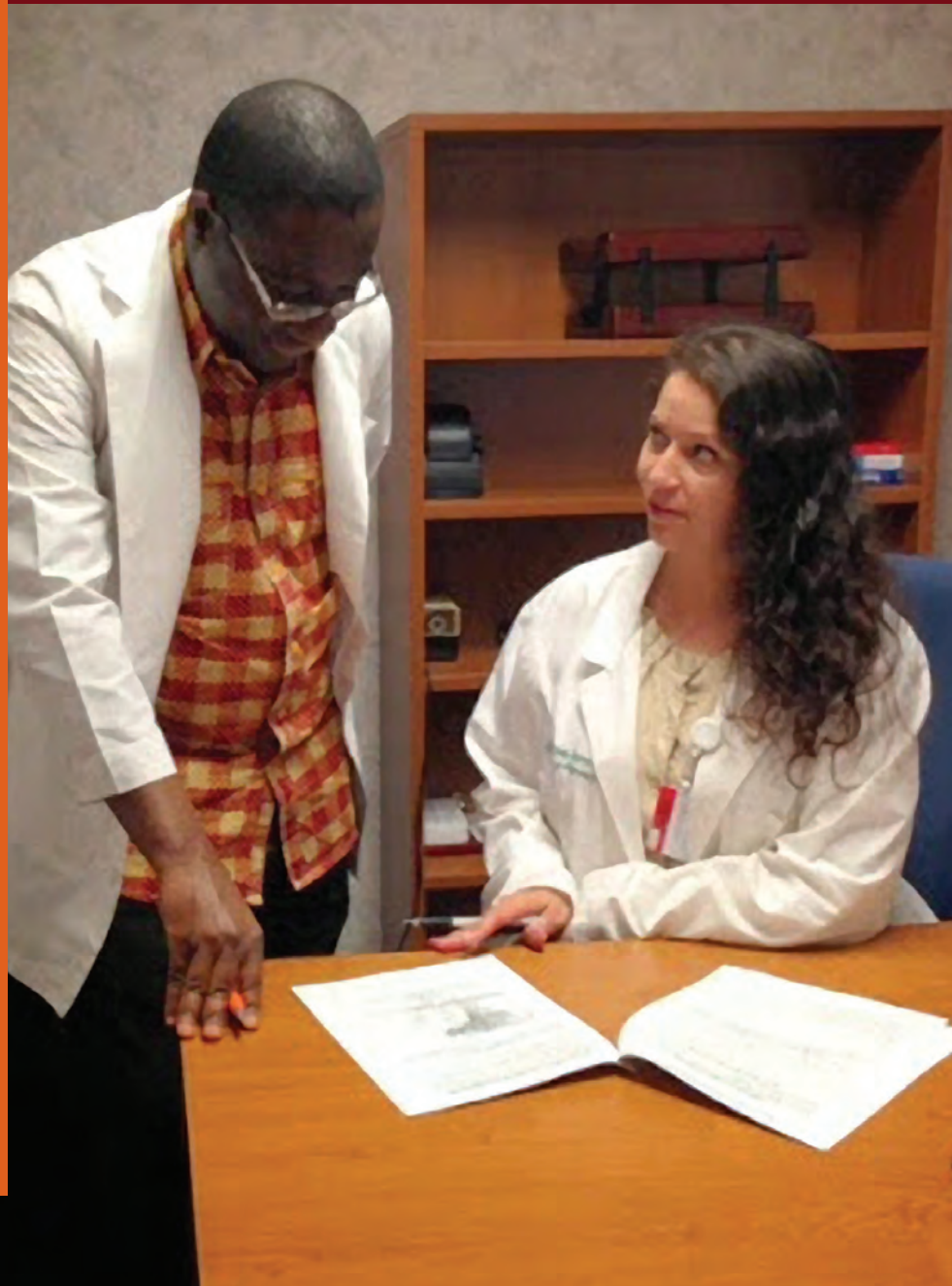
Clinical Assistant Professor **Sabah Hussein, PharmD**, teaches for the Department of Pharmacy Practice. She co-coordinates the community pharmacy course and practicum for first-year students, coordinates the medical Spanish course for second- and third-year students, and lectures on various topics throughout the academic year.

Yet her most rewarding teaching experience takes place outside the classroom. Dr. Hussein also works as a clinical staff pharmacist at Specialty Physicians of Illinois and Franciscan Physician's Network ambulatory care facilities in Olympia Fields, Illinois, where according to her, she makes the biggest impact on student training as a preceptor.

"Pharmacy is a very serious and very important profession," where mistakes can become matters of life or death. "When [students are] in clinic, they understand this and they see the relevance of what they learn in school," Dr. Hussein says.

Once students make the connection between their pharmacy coursework and real-life experiences with patients, their confidence begins to soar and they become better practitioners. "Everything they train for is to improve the lives of their patients. They see this — the patient is number one so they must always do their best."

Dr. Hussein is the College of Pharmacy's 2013 Faculty Preceptor of the Year. Her students nominated her for this honor.



Partners in the Profession

Hands-on training in working pharmacies, with opportunities to interact with real patients under the supervision of high-achieving pharmacists, is the cornerstone of a CSU pharmacy education. In academic year 2012-2013, the College either expanded or enhanced partnerships with over 275 sites throughout the Chicagoland area and beyond. With gratitude, we salute our partnering institutions.

A Tribute to CSU's Founding Dean



Internationally distinguished educators came to the Chicago area in October 2012 to celebrate the man who played a key role in establishing the CSU College of Pharmacy. They gathered in Alsip, Illinois, for the first-ever David J. Slatkin Symposium, which highlighted the career and accomplishments of Dean Emeritus **David J. Slatkin, PhD**, who was dean at the time of CSU-COP's founding.

Over 115 pharmacy educators, researchers, practicing professionals, and students attended the day-and-a-half event chaired by **Melany Puglisi-Weening, PhD**, associate professor of pharmaceutical sciences. Guest speakers

from universities and industry discussed and explored current and future trends that stand to impact research and the practice of pharmacy. At the conclusion of the symposium, a dinner was held to honor the career of Dr. David J. Slatkin.

David J. Slatkin Symposium Speakers:

Symposium Chairman **Melany Puglisi-Weening, PhD**, Associate Professor of Pharmaceutical Sciences, Chicago State University College of Pharmacy

John H. Cardellina II, PhD, Distinguished Scientist, Technical Innovation Center, McCormick & Co., Inc.

Denise L. Howrie Schiff, PharmD, Assistant Dean for Academic Affairs; Associate Professor, Pharmacy and Therapeutics, University of Pittsburgh School of Pharmacy

A. Douglas Kinghorn, PhD, DSc, Professor; Jack L. Beal Chair Medicinal Chemistry and Pharmacognosy, The Ohio State University College of Pharmacy

John M. Pezzuto, PhD, Dean, University of Hawaii at Hilo College of Pharmacy

Janis J. MacKichan, PharmD, FAPhA, Vice Chair; Professor of Pharmacy Practice, Northeast Ohio Medical University College of Pharmacy

James B. McAlpine, PhD, Adjunct Faculty Member, University of Illinois at Chicago, Department of Medicinal Chemistry and Pharmacognosy

Miriam A. Mobley Smith, PharmD, FASHP, Dean and Professor of Pharmacy Practice, Chicago State University College of Pharmacy

Paul L. Schiff, PhD, Professor, University of Pittsburgh School of Pharmacy



David J. Slatkin Dinner Speakers:

Robert Borris, PhD, Past President, American Society of Pharmacognosy

Ed Fisher, PhD, RPh, Past Department Chair, Midwestern University in Arizona

Barry O'Keefe, PhD, Deputy Chief, Molecular Targets Laboratory Center for Cancer Research, National Cancer Institute

David Newman, PhD, President, American Society of Pharmacognosy

Bret Walker '12, PharmD

Sherry Williams '12, PharmD



New Arrivals

The college welcomed several new faculty and staff members to the departments of Pharmacy Practice and Pharmaceutical Sciences, and the Offices of Academic Affairs and Experiential Education:

Martin Bielski, Research Lab Coordinator
Dana Blanton, Program Specialist
Ayesha Khan, PharmD, Assistant Clinical Professor
Barbara Limburg, PharmD, Director of Professional Labs
Kumar Mukherjee, PhD, MS, Assistant Professor
Lalita Prasad-Reddy, PharmD, MS, BCPS, BCACP,
 Assistant Clinical Professor
Marcus Roberson, Administrative Coordinator for User Services
Naomi Simwenyi, Director of Continuing Education
Tracie Williams, Office Administrator

College Roster

Office of the Dean

Miriam A. Mobley Smith, PharmD, FASHP, Dean
Yolanda Solarte, Office Administrator
Louis Wright, Executive Director of Development

Office of Academic Affairs

Elmer J. Gentry, PhD, Associate Dean
LaTania Milner, Office Administrator
Marcus Roberson, Administrative Coordinator for User Services
Naomi Simwenyi, Director of Continuing Professional Education

Office of Pharmacy Student Affairs

Carmita A. Coleman, PharmD, MAA, Associate Dean
Stephanie Berry, Business Support Specialist
Amalia Diaz, Program Advisor
Marcella Dillard, Customer Service Representative II
Sultan Farabee, Recruitment Coordinator
Allison Rose, PsyD, Learning Specialist

Department of Pharmaceutical Sciences

Anna Ratka, PhD, PharmD, Chair and Professor
Ehab Abourashed, PhD, Associate Professor
Martin Belski, Research Lab Coordinator
Michael Bradaric, PhD, Assistant Professor
Michael Danquah, MS, PhD, Assistant Professor
Duc P. Do, PhD, Assistant Professor
Abir El-Alfy, MS, PhD, Associate Professor
Nadeem Fazal, MD, PhD, Associate Professor
Elmer J. Gentry, PhD, Associate Professor
Vera Lynn Hilliard, Lab Support Specialist
Barbara Limburg-Mancini, PharmD, Director of Professional Labs
Mohammad Newaz, MD, PhD, Associate Professor
Daniel Pietryla, Research Lab Technician Specialist
Melany Puglisi-Weening, PhD, Associate Professor
Jozef Stec, PhD, Assistant Professor
Tracie Williams, Office Administrator

Department of Pharmacy Practice

Dolores Nobles-Knight, PharmD, MPH,

Chair and Associate Professor

Yolanda Hardy, PharmD, Vice Chair and Associate Professor

Cindy Arocena, PharmD, BCACP, Assistant Clinical Professor

Sneha Baxi Srivastava, PharmD, BCACP, Associate Clinical Professor

Jay Bogdan, PharmD, JD, Instructor

Don Brower, BS Pharm, Instructor

Carmita A. Coleman, PharmD, MAA, Associate Professor

Rebecca Castner, PharmD, Assistant Clinical Professor

John Esterly, PharmD, BCPS AQ-ID, Assistant Clinical Professor

Heather Fields, PharmD, MPH, BCACP, Assistant Clinical Professor

Elysia Ganier, Program Administrator Assistant

Deborah Harper-Brown, PharmD, Associate Clinical Professor

Sabah Hussein, PharmD, Assistant Clinical Professor

Diana Isaacs, PharmD, BCPS, Assistant Clinical Professor

Antoine Jenkins, PharmD, BCPS, Assistant Clinical Professor

Charisse Johnson, PharmD, MS, Associate Professor

Ayesha Khan, PharmD, Assistant Clinical Professor

Janene Marshall, PharmD, BCPS, Assistant Clinical Professor

Marketa Marvanova, PharmD, CGP, PhD,

Associate Clinical Professor

Miriam A. Mobley Smith, PharmD, FASHP, Professor

Kumar Mukherjee, PhD, MS, Assistant Professor

Tatjana Petrova, PhD, Assistant Professor

Lalita Prasad-Reddy, PharmD, MS, BCPS, BCACP,

Assistant Clinical Professor

Angela C. Riley, PharmD, CGP, Assistant Professor

Allison Rose, PsyD, Assistant Professor

Joseph Slonek, PhD, Assistant Professor

Office of Experiential Education

Charisse L. Johnson, PharmD, MS, Director

Dana Blanton, Program Specialist

Don Brower, BS Pharm, APPE Coordinator

Angela C. Riley, PharmD, CGP, IPPE Coordinator

Tamaria Thomas, Administrative Support

Faculty Promotions

Abir El Alfy, PhD, was promoted from assistant professor to associate professor of pharmaceutical sciences.

Melany Puglisi-Weening, PhD, was promoted from assistant professor to associate professor of pharmaceutical sciences.



Leadership Appointments

Diana Isaacs, PharmD, assistant clinical professor of pharmacy practice, was named chair-elect of the Illinois Council of Health-System Pharmacists' New Practitioner Network. Dr. Isaacs was also appointed to the American Society of Health-System Pharmacists' Membership and Outreach Advisory Group.

Janene Marshall, PharmD, assistant clinical professor of pharmacy practice, was appointed to the National Pharmacists Association's board of directors.

Board Certifications

Marketa Marvanova, PharmD, PhD, CGP, associate clinical professor of pharmacy practice was certified by the Commission of Certification in Geriatric Pharmacy as a geriatric pharmacy specialist.

Janene Marshall, PharmD, assistant clinical professor of pharmacy practice, was officially recognized by the Board of Pharmacy Specialties as a board certified pharmacotherapy specialist.

Cindy Arocena, PharmD, assistant clinical professor of pharmacy practice, received "The Pharmacist and Patient-Centered Diabetes Care" certification from the American Pharmacists Association.

Rebecca Castner, PharmD, assistant clinical professor of pharmacy practice, received "The Pharmacist and Patient-Centered Diabetes Care" certification from the American Pharmacists Association.

Marketa Marvanova, PharmD, PhD, CGP, associate clinical professor of pharmacy practice, received "The Pharmacists and Patient-Centered Diabetes Care" certification from the American Pharmacists Association.

Faculty Publications

El-Alfy AT, Abourashed EA, Matsumoto RR. "Nature Against Depression," *Current Medicinal Chemistry*, 19, no. 14 (2012): 2229-41.

El-Alfy AT, review of "Reproductive and Developmental Toxicology," by Gupta RG. *American Journal of Pharmaceutical Education*, 77, no. 1 (2013): Article 20.

El-Alfy AT, review of "Medical Toxicology of Natural Substances, Fungi, Medicinal Herbs, Plants, and Venomous Animals," by D.G. Barceloux. *Journal of Natural Products*, 74 (2011): 2027.

Esterly JS, Darin KM, Gerzenshtein L, Othman F, Postelnick MJ, Scarsi KK. "Clinical Implications of Antiretroviral Drug Interactions With Warfarin: a Case-Control Study," *Journal of Antimicrobiology Chemotherapy*, 56, no. 9 (2012): 4885-90.

Esterly JS, Gilley J, Griffith M, Postelnick M, Qi C, Scheetz MH. "An Evaluation of Clinical Outcomes in Patients with Gram-negative Bloodstream Infections According to Carbapenem Minimum Inhibitory Concentration (MIC) Stratification," *Antimicrobial Agents and Chemotherapy*, 68, no. 6 (2013): 1360-3.

Patel JA, **Esterly JS**, Scheetz MH, Postelnick MJ. "An Evaluation of the Accuracy of Physician-entered Indications on Computerized Antimicrobial Orders," *Infection Control and Hospital Epidemiology*, 33, no. 10 (2012): 1066-7.

Patel JA, **Esterly JS**, Scheetz MH, Bolon MK, Postelnick MJ. "Effective Use of a Clinical Decision Support System to Advance Antimicrobial Stewardship," *American Journal of Health-System Pharmacists*, 69, no. 18 (2012): 1543-4.

Marvanova M, Kripalani S, Roumie CL, Dalal AK, Cawthon C, Businger A, Eden SK, Shintani A, Sponsler KC, Harris LJ, Theobald C, Huang RL, Scheurer D, Hunt S, Jacobson TA, Rask KJ, Vaccarino V, Gandhi TK, Bates DW, Williams MV, Schnipper JL. "Effect of a Pharmacist Intervention on Clinically Important Medication Errors After Hospital Discharge: a Randomized Trial," *Annals of Internal Medicine*, 157, no. 1 (2012): 1-10.

Rodriguez C, Peterson J, Kripalani S, Danciu L, Harrell D, **Marvanova M**, Powers J. "Surveillance and Pharmacist Intervention for Vulnerable Hospitalized Geriatric Patients on High-risk Medication Regimens" (Abstract), *Journal of Hospital Medicine*, Suppl. 2, no. 7 (2012): 209.

Stec J, Fomovska, A, Afanador GA, Muench, SP, Zhou Y, Lai BS, Bissati KE, Hickman MR, Lee PJ, Leed SE, Auschwitz JM, Sommerville C,

Woods S, Roberts CW, Rice D, Prigge ST, McLeod R, Kozikowski AP. "Modification of Triclosan Scaffold in Search of Improved Inhibitors for Enoyl-Acyl Carrier Protein (ACP) Reductase in *Toxoplasma gondii*," *ChemMedChem*, 8 (2013): 1138-1160.

Muench SP, **Stec J**, Zhou Y, Afanador GA, McPhillie M, Hickman MR, Lee PJ, Leed SE, Auschwitz JM, Prigge ST, Rice D, McLeod R. "Development of a Triclosan Scaffold which Allows for Adaptations on Both the A- and B-ring for Transport Peptides," *Bioorganic & Medicinal Chemistry*, 23, (2013): 3551-3555.



Lectures, Poster Presentations, and Panel Discussions

In October 2012, **Ehab Abourashed, PhD**, associate professor of pharmaceutical sciences, presented a research poster titled "Utilization of Microbial Transformation to Enhance the Free-Radical Scavenging Activity of Silybin" at the American Association of Pharmaceutical Scientists Annual Meeting and Exposition in Chicago.

In November 2012, **Dr. Abourashed** was invited by the Associated Colleges of the Chicago Area to present a lecture titled "Biocatalytic Bugs: Microbial Transformation in Drug Discovery Development" at Dominican University.

Cindy Arocena, PharmD, assistant clinical professor of pharmacy practice, presented a poster titled "Effect of Patient Self-Testing on Chronic Anticoagulation" during the 2012 American College of Clinical Pharmacy (ACCP) Annual Meeting in Hollywood, Florida.

In November 2012, **Abir El-Alfy, PhD**, associate professor of pharmaceutical sciences, presented a lecture titled "Application of Microarray Technique in Understanding the Neurotoxicity of Acrylamide in Juvenile Animal Models" as an invited plenary speaker at the First International Conference on Advanced and Basic Applied Sciences in Hurgada, Egypt.



In August 2012, Dr. El-Alfy delivered a lecture titled “Nature Against Depression, Anxiety, and Opioid Withdrawal” as an invited speaker at the 244th American Chemical Society’s National Meeting and Exposition in Philadelphia.

In July 2012, **Marketa Marvanova, PharmD, PhD**, CGP associate clinical professor of pharmacy practice, presented a continuing education presentation titled “Antipsychotic Use in Older Adults” during the 24th Annual Midwest Regional American Society of Consultant Pharmacists Conference in Chicago.

Tatjana Petrova, PhD, assistant professor of pharmacy practice, delivered a one-hour seminar titled “Motivational Interviewing: Use in Health Care and Evaluation of Health Care Trainees” at the University of Connecticut School of Pharmacy’s Department of Pharmacy Practice in November 2012.

In January 2013, **Anna Ratka, PharmD, PhD**, department chair and professor of pharmaceutical sciences, delivered an elective pain management workshop to pharmacy students at Poznan University of Medical Sciences (PUMS) in Poznan, Poland. This four-day workshop included presentations and pain case studies. Dr. Ratka’s visit was sponsored by the Center of Medical Education in English. She has been asked to instruct the PUMS pharmacy students again in spring 2014.

Esterly J, Patel J, McLaughlin M, Weiss C, Wunderink R, March K, Cooper C, Rachwalski E, and Postelnick M presented a poster titled “Impact of Antibiotic Selection on Risk-adjusted Mortality in ICU Patients Requiring Gram-negative Therapy” in October 2012 at the American College of Clinical Pharmacy Annual Meeting in Lake Hollywood, Florida.

Gilbert E, Gandhi S, **Esterly J**, and Dorgan K presented a poster titled “Benefits of Electronic Versus Manual Billing of Anesthesia Gases at an Academic Medical Center” in December 2012 at the American Society of Health-System Pharmacists Midyear Clinical Meeting in Las Vegas, Nevada.

Keppel A, Tai-ho T, Postelnick M, Patel J, and **Esterly J** presented a poster titled “Accuracy of Healthcare-associated Pneumonia as the Selected Indication on Physician-entered Antimicrobial Orders” in December 2012 at the American Society of Health-System Pharmacists Midyear Clinical Meeting in Las Vegas, Nevada.

Short E, McLaughlin M, **Esterly J**, and Postelnick M presented a poster titled “De-escalation of Broad Spectrum Antibiotics in Enterococcal Bloodstream Infections According to VRE Colonization” in September 2012 at the 52nd Interscience Conference on Antimicrobial Agents and Chemotherapy in San Francisco.

External and Internal Grants and Awards

External Grants

Department of Pharmacy Practice faculty members, including **Cindy Arocena, Rebecca Castner, Sabah Hussein, Diana Isaacs, Charisse Johnson, Janene Marshall, Marketa Marvanova, Angela C. Riley** and **Sneha Srivastava**, collectively received a Million Hearts Team Up, Pressure Down community grant in the amount of \$1,000 from the National Association of Chain Drug Stores Foundation.

Duc Do, PhD, assistant professor of pharmaceutical sciences, received the American Association for Cancer Research (AACR) Minority Serving Institution Faculty Scholar in Cancer Research Award in the amount of \$1,800 to participate in the 2013 AACR annual meeting in Washington, D.C.

Mohammad Newaz, PhD, associate professor of pharmaceutical sciences, received a Federation of American Societies for Experimental Biology (FASEB) Minority Access to Research Careers Travel Fellowships to support travel expenses for two of his students who attended the 2013 FASEB meeting in Boston.

Internal Grants

Michael Danquah, PhD, assistant professor of pharmaceutical sciences, received a Center for Teaching and Research Excellence grant in the amount of \$14,000 to support the research project titled “Nanotherapies for Treating Breast Cancer.”

Abir El-Alfy, PhD, associate professor of pharmaceutical sciences, received a Center for Teaching and Research Excellence enrichment grant in the amount of \$1,600 to attend and deliver a presentation at the American Chemical Society's 2012 national meeting in Philadelphia.

Chicago State University awarded **Elmer Gentry, PhD**, associate dean of academic affairs, and **Rosalyn Vellurattil, PharmD**, Capstone director and associate professor of pharmacy practice, with a 2012 Center for Teaching and Research Excellence grant in the amount of \$12,000 to support the project titled "Capstone Research Day."

Jozef Stec, PhD, assistant professor of pharmaceutical sciences, received a Center for Teaching and Research Excellence seed grant in the amount of \$15,000 to support the research project titled "Synthesis of Novel Antitubercular Agents."

Chicago State University awarded **Tatjana Petrova, PhD**, assistant professor of pharmacy practice, with a 2012 Center for Teaching and Research Excellence research grant in the amount of \$7,500 for the project titled "Identifying Unique Cohorts of Students With Unique Conceptualization of Professionalism."

2012-13 Pharmacy Advisory Council Members

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Mr. Ernest Armstrong, Executive Director, Chicago Pharmacists Association

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Ms. Elizabeth A. Cardello, Director of National Accounts/Business Development American Pharmacists Association

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Dr. Paul Krynski, Pharmacy Supervisor, Walgreens

Ms. Elizabeth Lough, Red Tap Cutters/I & A Team Leader, AgeOptions

Mr. Don Lynx, Director of Pharmacy, Edward Hines VA Hospital

Dr. Rita Magnuson, Director of Pharmacy, Little Company of Mary Hospital

Mr. Sudhir Manek, Registered Pharmacist, Aurora Pharmacy

Ms. Audrey Hudson McFarlin, Select Agent, State Farm Insurance Agency

Dr. Erin Meeker, Pharmacy Campus Relation Manager, Walgreens

Mr. Scott Meyers, Executive Vice President, Illinois Council of Health-System Pharmacists

Mr. Yash V. Patel, Manager, Professional and College Relations, CVS/Caremark

Dr. James Quach, Market Health & Wellness Director Market, Walmart

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Dr. Brian Raymond, Target Corporation

Dr. Rolla Sweis, Pharmacy Director, Advocate Christ Hospital

Ms. Donna Thompson, CEO, ACCESS Community Health Network

Mr. Paul Wachter, Pharmacy Specialist Western Region, Meijer

Dr. Lisa M. Wallen, Medical Review Manager, GPRD Abbott Laboratories

Mr. Larry Walsh, Director of Pharmacy Operations, Safeway, Inc. (Dominick's Division)

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Dr. Melissa Whittle, Group Pharmacy Leader, G192, Target

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Tiffany Brown
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