

Nurturing for *Life*



From the Chancellor



SIUE is dedicated to enhancing the quality of life for our students, faculty, staff and surrounding communities. Despite the difficult economic times, the University continues to thrive with a fall 2010 enrollment of

14,133 students, the largest in the history of the University. Applications to SIUE undergraduate and graduate school programs reached 16,759 this past year, representing a nine percent increase over last year.

And there is more good news originating from our peers. For the second consecutive year, SIUE was recognized as one of 68 “Top Up and Coming Schools” by *U.S. News & World Report*. The University is among a select group of schools nationwide considered to be making “the most promising and innovative changes in academics, faculty, students, campus or facilities.” For the sixth consecutive year, *U.S. News* also has heralded SIUE for its Senior Assignment Program, an integrative learning

experience required of all seniors prior to graduation.

Under the leadership of founding Dean Phil Medon, the School of Pharmacy has graduated 160 well-trained pharmacists, received full accreditation from the Accreditation Council for Pharmacy Education and is recognized as a national model for other new pharmacy schools around the country. Dean Medon stepped down in June, and I am confident that his commitment to the University’s values of Excellence, Openness, Wisdom, Citizenship and Integrity will continue the School of Pharmacy’s forward momentum. We wish him the very best in his newest career endeavor.

Thank you for taking the time to explore one of the many outstanding programs at Southern Illinois University Edwardsville. I encourage you to visit campus and learn more about our exciting progress.

Go Cougars!

A handwritten signature in black ink, reading "Vaughn Vandegrift". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Vaughn Vandegrift, Ph.D.
SIUE Chancellor

About SIUE

Beautifully situated on 2,660 acres, SIUE is a public university offering a broad choice of degrees and programs ranging from liberal arts to professional studies. Undergraduate and graduate degrees are offered in the arts and sciences, business, education, engineering and nursing. Professional degrees are available in dental medicine and pharmacy. More than 14,000 students choose SIUE for the enlightening programs, engaging faculty and convenient location just 25 minutes from St. Louis.

On the cover:

Serge E. C. Anato,
P2 student,
Class of 2013



From the Provost



This summer brought significant changes for the School of Pharmacy. Dr. Philip J. Medon, Founding Dean of the School of Pharmacy, accepted a new appointment as Vice President and Dean of the Manchester College

School of Pharmacy. We are pleased to have appointed Dr. Gireesh V. Gupchup as the Acting Dean during our upcoming national search for a new Dean.

Together with an exceptional faculty, staff, student body, alumni and a vast network of local, regional and national supporters, Dr. Medon built an outstanding educational program with state-of-the-art facilities, technologically advanced classrooms and research laboratories and a contemporary curriculum that emphasizes critical thinking, problem solving, professionalism, teamwork and lifelong learning. The School's mission statement has remained at the forefront of each decision, allowing the young program to achieve full accreditation, and graduate its first and second professional class in May 2009 and 2010, respectively.

We are extremely grateful for Dr. Medon's significant contribution to the development of the School and are confident that his foundational leadership will continue to be felt for years to come. It is fitting that Dr. Gupchup, who played a pivotal role in the creation of the School of Pharmacy as Associate Dean for Student Affairs, now serves as Acting Dean through the 2010-11 academic year. He is clearly committed to maintaining the great momentum the School has enjoyed thus far and brings an outstanding record of scholarship, teaching and administration.

Paul W. Ferguson, Ph.D.

A handwritten signature in black ink, appearing to read "Paul W. Ferguson".

SIUE Provost and
Vice Chancellor for Academic Affairs

From the Acting Dean



Consistent with the School of Pharmacy's mission, and embracing our theme of "nurturing for life," our students, faculty and staff have distinguished themselves at state and national levels as leaders in

education, patient care and research. Our alumni practice and contribute to their communities all around the country.

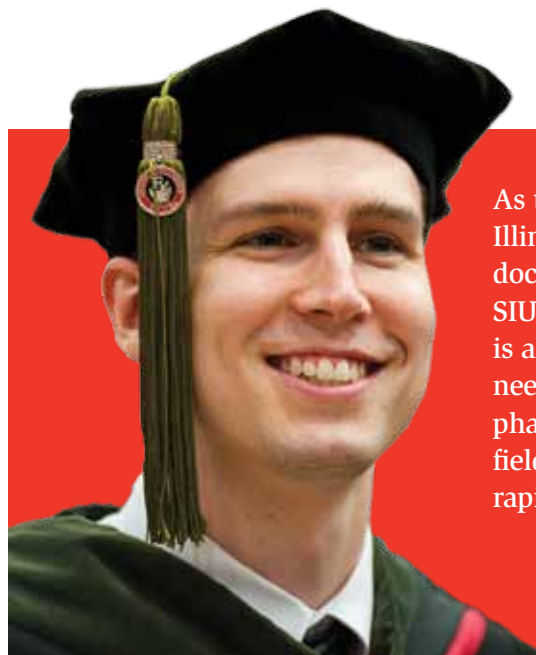
In the coming year, we will continue our focus on student, faculty and staff success, and work to highlight our many contributions to the community. Continuing to engage our supporters and enhance our many partnerships throughout the region remain key aspects of our strategic plan.

As you note the many milestones detailed in the following pages, you will see a School prepared to meet the expectations and academic needs of the next generation of students.

Gireesh V. Gupchup

A handwritten signature in black ink, appearing to read "Gireesh V. Gupchup".

Professor and Acting Dean
SIUE School of Pharmacy



As the only downstate Illinois pharmacy doctorate program, the SIUE School of Pharmacy is addressing the growing need for well-trained pharmacists in a career field that is experiencing rapid and dramatic growth.

About the School of Pharmacy

Mission

The mission of the SIUE School of Pharmacy is to prepare health care professionals capable of providing high-quality health care to meet the diverse pharmaceutical care needs of the citizens of Illinois and to serve the profession of pharmacy through a balanced program of education, research, service and patient care. The SIUE School of Pharmacy embraces the educational philosophy of the University, which is dedicated to communication, expansion



and integration of knowledge through excellence in its teaching programs; through scholarly, creative and research activity of its faculty, staff and students; and through professional and community service.

Students at a Glance

Number of Students

Enrolled: 320

Class of 2011 – 77

Class of 2012 – 79

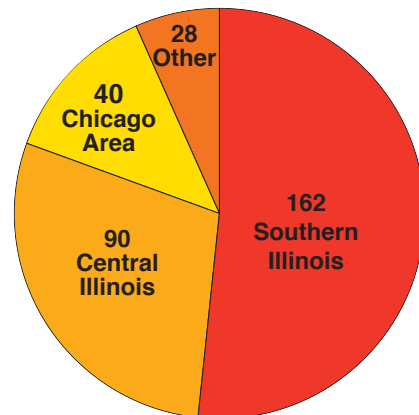
Class of 2013 – 82

Class of 2014 – 82

Academic Averages	Class of 2009	Class of 2010	Class of 2011	Class of 2012	Class of 2013	Class of 2014
Cumulative GPA	3.58	3.61	3.61	3.63	3.65	3.46
Pre-Pharmacy GPA	3.62	3.65	3.63	3.69	3.69	3.51
Science/Math GPA	3.57	3.61	3.58	3.63	3.65	3.42
PCAT Score	68.2	73.19	75.0	75.0	68	60



Serving Illinois
Number of students from:





The School of Pharmacy's contemporary curriculum emphasizes integration of pharmaceutical sciences and practice components.

A Space for Students

As the School of Pharmacy has moved through the accreditation process, the Accreditation Council for Pharmacy Education (ACPE) identified creating additional student space as an important issue to address. When the fourth class entered in fall 2008, the need became more evident.

The Pharmacy Student Learning Center opened for student use on July 30, 2009. The 3,500-square-foot area accommodates student organization storage and provides significant work/study spaces. It has already become a focal point for students, with nearly 150 students using the space each day. The efficient and comfortable space promotes student communication, collaboration and creativity.

The Student Learning Center features

- private study carrels
- four collaborative study “rooms” for groups of 4-10
- comfortable living room-type atmosphere with
 - adaptable furnishings
 - wireless internet access
 - views that encourage reflection



Learning from Patients

SIUE pharmacy students who complete a rotation at the Belleville Veterans Affairs Outpatient Medical Center with Jessica Kerr, associate professor of pharmacy practice, will interact with patients and collaborate with a team of medical professionals. The opportunity to gain these types of experiences is one of the things that Kerr believes makes the SIUE School of Pharmacy one of the best.

“The students in my clinic work as part of a medical team,” Kerr said. “They learn to interview patients and collaborate with the physicians to make decisions about drug therapies and manage disease states in a hands-on setting that isn’t widely available elsewhere.”

The VA Clinic is a unique patient-care model for pharmacists, according to Kerr. “Within the VA model, we have pharmacists who have prescribing authority, so we meet with patients and help in making determinations about their drug treatment.”

Kerr runs the cardiovascular risk reduction clinic, which provides cardiovascular risk management services to U.S. Veterans living in southern Illinois. Her students spend the first week watching her interact with patients and learning interview techniques. By the second week, students are interviewing patients. By the third week of the rotation, the students meet with the



“The students in my clinic work as part of a medical team.”

– Jessica Kerr

patients on their own, with Kerr reviewing their notes and recommendations.

Kerr is the advisor for the SIUE Chapter of the American Pharmacists Association-Academy of Student Pharmacists (APhA-ASP), which partners with the American Diabetes Association to host an annual American Diabetes Education Day. She also helped bring a statewide diabetes initiative to the area.

The Diabetes Education Day, which brings in close to 200 patients each year, relies heavily on student support and participation. “Students write the grant to get funding for the materials needed for the free screenings at the symposium, as well as conduct the blood pressure screenings, foot inspections and blood tests,” she said.

The statewide diabetes initiative involves training pharmacists to be diabetes coaches and work with patients to get their diabetes under control—something Kerr focuses on with the students on rotation in her clinic. More than 90 percent of the VA Clinic patients have Type 2 Diabetes, so students gain a great deal of experience in treating diabetic patients. “They really get into the process and as a result, learn a great deal,” said Kerr.



Growth in Springfield

Thanks to an expansion of the SIUE School of Pharmacy program in Springfield, Ill., and a cooperative relationship with the SIU School of Medicine, many fourth-year pharmacy students can now complete all of their advance-practice rotations consecutively in Springfield. This enables them to temporarily “put down roots.”

But, according to Mark Ruscin, professor of pharmacy practice and the central regional coordinator of the School’s Springfield location, that is just one benefit of doing rotations in Springfield. The biggest benefits, he said, come from the day-to-day interaction with medical students and residents, as well as other professionals in the community.

“Pharmacy students go on rounds with pharmacy faculty, as well as medical school students, residents and faculty,” Ruscin said. “It’s important for pharmacy students to understand what medical students do in their training, and for medical professionals to understand what pharmacists learn in their training.”

The Springfield location offers students rotations with faculty at two main hospitals—Memorial



The Department of Pharmacy Practice embraces a patient-centered care philosophy and features a progressive experiential educational program.

Medical Center and St. John’s Hospital. But there also are opportunities for rotations at several other sites in the community.

“We have a number of community pharmacists who act as preceptors and take students on rotations. Additionally, we have several unique opportunities such as nuclear pharmacy, pharmacy clinical support services for the State of Illinois and pharmacy association management with the Illinois Pharmacists Association, to name a few,” said Bill Wuller, clinical associate professor of pharmacy practice and director of Experiential Education for the School of Pharmacy. “This really has opened the door for the students to gain an enormous amount of experience in a variety of practice settings. It’s great for the students and it’s great for the community.”

“A lot of our students are from this area,” Ruscin said. “With the faculty we’ve added and the relationships we’ve established with the untapped market of the SIU School of Medicine and the community, the students are getting to do more patient care than they could ever get in the classroom.”

The School of Pharmacy added four faculty members last year who are based in Springfield, bringing the total faculty in Springfield to seven.

The newest faculty members are:

Janice Frueh, clinical assistant professor of pharmacy practice

Misty Gonzalez, clinical assistant professor of pharmacy practice

Jennifer Arnoldi, clinical assistant professor of pharmacy practice

Carrie Vogler, clinical assistant professor of pharmacy practice

Bringing Research to Class

Ken Witt, assistant professor of pharmaceutical sciences, enjoys teaching the concepts and ideas he employs in his research to the students in his classes. Witt's research recently received a \$250,000 grant from the National Institutes of Health, which will help him study the effectiveness of new drugs in treating Alzheimer's disease.

Witt's research involves investigating the use of novel drugs to encourage the breakdown of amyloid beta accumulation. Healthy brains are able to clear away excess amyloid beta, while a brain with Alzheimer's disease is unable to control the accumulation of amyloid beta. This accumulation is associated with the reduction or reversal in the ability to learn, as well as memory loss that is characteristic of Alzheimer's.

Witt said his research, which is funded via the grant until 2011, is significant because the drugs he is studying have the potential to be "disease-modifying."

The other beneficial aspect of his research is the opportunity he has, via his faculty position, to share what he learns with his students. "A lot of what I do in my research applies to what I teach," he said. "I teach concepts, methods and



SIUE School of Pharmacy faculty, like Ken Witt, engage in pharmaceutical research to enhance the profession and better prepare students to practice.

ideas that I use in research every day, and I discover things in my research that are exciting to share with students."

Witt's students often want to understand how what they are learning in class will apply to what they will be doing when they graduate. "It's easier to help them make those connections when I can point to the research I am doing on a drug that could modify a disease like Alzheimer's," he said. "That makes it very real."

Research Highlights

The School of Pharmacy is committed to its goal of making an impact within the pharmacy profession through innovative faculty research. "In 2009, SIUE ranked in the top half of pharmacy schools that received National Institutes of Health research funding. For a young program, achieving that rank is both significant, and exciting," said Acting Dean Gireesh Gupchup.

- Mike Crider, associate dean for research, professor of pharmaceutical sciences and chair of that department has successfully developed a research infrastructure to support the School's research goals.
- Maria Kontoyianni, assistant professor of pharmaceutical sciences, joined the faculty in 2009 and assisted with the creation of the School's Computational Chemistry Lab. The lab is utilized by professors and students whose research requires

high-performance scientific computation, allowing the application of computer science and mathematical techniques to the design and discovery of new therapeutic agents and the study of drug target sites.

- In September 2009, a 400 MHz nuclear magnetic resonance spectrometer (NMR) was installed in the SIUE Pharmaceutical Sciences Laboratory building. Nuclear magnetic resonance spectroscopy involves the transition of a nucleus from one spin state to another spin state with the absorption of energy. This transition is captured in the form of an NMR spectrum. Pharmacy faculty are using the NMR in drug design and discovery projects directed toward the development of new compounds for the treatment of pain, infection, tuberculosis, Alzheimer's disease and epilepsy.

Professor's Research Reinforces Teaching

Bill Neumann, assistant professor of pharmaceutical sciences, believes that teaching and research are intertwined. For that reason, his work on a study to develop drugs to relieve chronic pain has benefited his students.

The SIUE School of Pharmacy recently received a \$975,000 National Institutes of Health grant to help fund Neumann's work in studying ways of relieving chronic pain through new approaches in treating neuroinflammation. He and his partner in the research, Saint Louis University Associate Professor Daniela Salvemini, have been working on the project for a number of years.

Neumann and Salvemini are the principal investigators on the project, which studies how "peroxynitrite" (produced in the body in inflammatory settings) can actually cause chronic pain when the body produces too much of the chemical. The research is significant because studies have shown that one-third of Americans suffer from chronic pain, but about 30 percent of those sufferers report that drugs now available don't help the problem.

The research is significant to Neumann as he teaches biochemistry and medicinal chemistry in the School of Pharmacy.

"I am a firm believer that teaching and research reinforce one another," Neumann said. "If you are involved in research day in and day out as I am, you can bring it into the classroom. I pull examples from research for slides and other teaching tools to use in class. My teaching benefits from my research work, but my research work also benefits from my teaching."

Additionally, Neumann recently gave a seminar on the pain project for all of his pharmacy students, and he has had some pharmacy students assist in his research. Neumann said the examples he shares with his students from his research and the research of other scientists are relevant because the students know they have real-world applications. "We are to the point where we know the drug we are studying is active and analgesic. Now we're trying to determine if the molecules can be orally absorbed. We're shooting for the stars to develop an oral drug and it's exciting to share this research with the students."

"I am a firm believer that teaching and research reinforce one another."

– Bill Neumann





“Pharmacy not only fulfills my academic desires, but allows me to use my knowledge for the betterment of my patients.”

– *Cody Sandusky*

Proud to Learn and Lead

Cody Sandusky started thinking about a career in pharmacy while sitting with his friends at an old-fashioned pharmacy counter in his hometown of Carrier Mills, Ill. He was drinking a Coke and admiring the colorful show of globes and the collection of mortars and pestles.

His interest in the field matured beyond the “accessories,” and as Cody researched career options in high school, pharmacy kept bubbling to the surface. “I was always interested in health care and medical careers,” he said. “I have a deep love for the sciences, especially chemistry. I wanted a job that would allow me to learn a great deal about my favorite subjects and use that knowledge on a day-to-day basis.”

Sandusky, a third-year pharmacy student, chose the SIUE School of Pharmacy because of the reputation of the University and the faculty. “SIUE has a great reputation as a whole, and the School of Pharmacy faculty is outstanding,” he said. “They are great about working with and mentoring students. It is a very close-knit, family environment—you can get to know everyone in your class.”

In fact, Sandusky went the extra mile to get to know everyone in his class by becoming a leader among his fellow students. He currently is the president of the Class of 2012 and the National Community Pharmacists Association. He also is active in the American Pharmacist Association Academy of Student Pharmacists. “Getting involved is a great way to grow professionally and personally, and I encourage other students to do the same. The benefits are worth it.”

To stay motivated with his challenging schedule, Sandusky focuses on what his pharmacy degree will allow him to do with his life.

“As I’ve progressed through my studies at SIUE, I’ve found I definitely made the right career choice,” Sandusky said. “I’ve developed a great sense of pride in what pharmacists do and are capable of doing, and I look forward to a lifetime in one of the world’s most respected professions.”

Ghana Native Drawn to SIUE

Rosemary Amponsaa-Korang, a fourth-year pharmacy student, chose to study pharmacy because of the versatility of study the field provides.

“I like to help people but I’m adventurous, too, and I want to be able to study many topics,” she said. “Physicians diagnose disease, but without the proper treatment, people can’t get better. Pharmaceutical science lets me study ways to use various medicines to help people get better.”

Amponsaa-Korang, a native of Ghana, chose to get her master’s in biology at SIUE because she comes from a long line of family members who were educated in the Midwest. Her mother, now a resident of Champaign, Ill., earned a degree in social work from Washington University in St. Louis and her grandfather, now a speech pathologist in Ghana, was educated at SIU Carbondale. Her sister is a mass communications graduate student at SIUE.

But Amponsaa-Korang chose to continue her studies at SIUE and enter the School of Pharmacy not because of family tradition, but because of the quality education she knew she would receive.

“We have dedicated faculty and staff who provide great experiences in the classroom and in the field, plus there is plenty of opportunity for research and extra-curricular involvement,” she said. “The School is just the right size and the students and faculty help me feel at home.”

The Pinning Ceremony represents the student’s transition from the instructive curriculum to the full-time experiential curriculum and direct patient care. This event is held near the end of the students’ third year, prior to advanced clinical pharmacy practice rotations. Pictured at right, former Dean of the School of Pharmacy Philip Medon, presents Rosemary Amponsaa-Korang her pin.

Extra-curricular involvement is certainly something Amponsaa-Korang has embraced. During her first year, she was the treasurer for the Student National Pharmaceutical Association (SNPhA). She served as president-elect of the organization in her second year and just completed her term as president.

The group organizes events and outreach programs that deliver diabetes education, immunizations and other services to the community. Under her leadership last year, the SIUE chapter was recognized for its community outreach efforts with an award at the national convention.

Her leadership within that organization helped Amponsaa-Korang win an Outstanding Student Leader award and scholarship from Wal-Mart in 2009. She was one of five national recipients. Scholarships were awarded to just one student in each of five regions nationwide.

“The School of Pharmacy gives students the tools to succeed in the pharmaceutical field.”

– Rosemary Amponsaa-Korang



All in the Family

The School of Pharmacy has three sets of siblings pursuing their degrees at SIUE. They got together to talk about the joys—and frustrations—of sharing their educational experience with their older (or younger) sister (or brother).

What has been the best thing about having your sibling here with you?

Tim: “The opportunity to spend quality time together. I don’t think many siblings take advantage of the time they can spend together growing up, so this was a second chance of sorts.”

Saba: “The support, sense of being at home and sympathetic ear I get from Sana. Above all, the love and moral support between us has been wonderful.”

Are there any negatives to having your sibling here with you?

Nicole: “Honestly, I think it’s kind of cool having my little sister follow in my footsteps.”

Laura: “I am often asked if I am Tim’s sister or I’m called “Tim’s sister.” Just once I want to hear Tim referred to as “Laura’s brother!”

“Other things may change us, but we start and end with family.”

– Anthony Brandt, author

What is the most valuable piece of advice you have asked for or given your sibling?

Sarah: “I asked Nicole for advice on how to handle everything—classes, extracurricular activities, studying and multiple teachers. Just knowing how to approach everything has been very valuable.”

Tim: “The best advice I have given Laura is to really take advantage of all that SIUE has to offer. Get involved in student pharmacy organizations as they have been essential in my development as a professional student, above and beyond what the classroom has to offer.”

Laura: “The most valuable piece of advice I received from Tim is the importance of networking. The pharmacy profession is a small community, and reaching out to these people can impact the opportunities I have in my future.”

Why did you choose a career in pharmacy?

Sarah: “Pharmacists participate in every aspect of the health field, which is an appealing part of the career. I love the interaction with patients and the opportunity to help them to improve their life.”

Saba: “I love this profession. My passion to serve the community has been a great inspiration for me.”

Sana: “I want to help people in a unique and compassionate way that will leave a life-lasting impact on them.”



Pharmacy student-siblings Sana and Saba Khan, Chicago; Nicole and Sarah Repking, Effingham; and Tim and Laura Gleason, Schaumburg, learn from each other. (There are two more sibling pairs as of fall 2010: Roxanne and Gabrielle Spain and Edward and Maxwell Weiler).



Alumni Insight

Maggie Rodeffer, Pharm.D. '09, works for two independent pharmacies—Family Care Pharmacy in Highland and Watson’s Drug Store in Greenville. “The SIUE School of Pharmacy more than prepared me for a career as a pharmacist,” she said. “But I never expected my career to be so similar to being a student. I am constantly learning new things and challenging myself.”

Maggie recently participated in an alumni panel for School of Pharmacy students. Alumni were on hand to answer student’s questions about life after graduation. Maggie took the opportunity to reinforce the concept of responsibility. “The transition from student pharmacist to pharmacist brings about huge responsibility,” she told students. “Not only do you have to be accountable for the actions you perform at work, but community members look up to you and respect you, so it is very important to set a good example.”

“Patients value my opinion and the advice I give to such a great extent. It’s very rewarding.”

– Maggie Rodeffer

Inaugural Class is Above Average

The 2009 graduating class of the SIUE School of Pharmacy achieved a 97.26 percent passing rate on the North American Pharmacist Licensure Examination (NAPLEX). Overall there were more than 10,000 examinees during the May 1-Aug. 1 time period.

Students taking the NAPLEX exam must show their ability to

- Assure safe and effective pharmacotherapy
- Optimize therapeutic outcomes
- Assure the safe and accurate preparation/dispensing of all medications

The exam also covers the candidate’s knowledge of health care information as well as proficiency in promoting public health

NAPLEX Passing Rates

2009

National – 95.03 %

SIUE Pharmacy Students – 97.26 %

2010

National 92.39 %

SIUE Pharmacy Students – 95.77 %



Publications

- Bergman, S. J., Gonzalez, M., Ronald, K., & Ruscin, J. M. (2009). Pharmacotherapy Update 2009, part I: Cardiology, Neurology, and Psychiatry. *Annals of Long Term Care*, 17(12), 30-34.
- Bergman, S. J., Gonzalez, M., Ronald, K., & Ruscin, J. M. (2010). Pharmacotherapy Update 2009, part II: Infectious disease, positive Beers criteria, and pharmacist intervention. *Annals of long-term care*, 18(2), 41-44.
- Bergman, S. J., Tyagi, I., & Ronald, K. (2010) (in press). Antifungal dosing in critically ill patients. *Current Fungal Infection Reports*.
- Butler, L. (2010) Looking Beyond Medications to Find Better Health [database on the Internet]: *American Society of Health-System Pharmacists SafeMedication Blog*. Cited February 2, 2010, from safemedication.com/safemed/PharmacistsJournal.aspx.
- Carroll, R. C., Worthington, R. E., Craft, R. M., Snider, C. C., Dakin, P. A., Wortham, D. C., et al. (2010). Post interventional cardiology urinary thromboxane correlates with Platelet Mapping detected aspirin resistance. *Thromb. Res.* 125(4), 118-122.
- Dhanalakshmi, S. A., Shornick, L. P., Albert, C. J., Steward, M. M., Zoeller, R. A., Neumann, W. L., et al (2010). Chlorinated lipid species in activated human neutrophils: lipid metabolites of 2-chlorohexadecanal. *J. Lipid Res*, 51, 1085-1092.
- Devraj, R., Butler, L. M., Gupchup, G. V., Poirier, T. I. (in press). Assessment of the Use of Active Learning Strategies for Developing Health Literacy Knowledge and Skills. *Am J Pharm Educ*.
- Elbl, J. & Lubsch, L. (2010), Cayston (Aztreonam). *Cystic Fibrosis Center Newsletter*, 5(2), 4.
- Gable, K. N., & Stunson, M. J. (2009 Oct Epub ahead of print). Clinical Pharmacist Interventions on an Assertive Community Treatment Team. *Community Mental Health Journal*.
- Gable, K. N. (2010). Personality Disorders and Eating Disorders. *CPNP/ASHP BCPP Board Certification Review Course*.
- Gonzalez, M. (2010). Enjoy the Fiesta! *CPNP Update* (Week of February 22, 2010).
- Gonzalez, M. (2010). Meet a Member: Judith M. Hyatt. *CPNP Update* (Week of April 5, 2010).
- Herndon, C. M. (in press). Clinically significant drug interactions at end of life. *Progress in Palliative Care*.
- Herndon, C. M. (Guest Editor). (2009). Pharmacists' role in pain management. *Pharmacy Today 2009*, 15(Suppl 1), 9.
- Hutt, E., Ruscin, J. M., Linnebur, S. A., Fish, D. N., Oman, K. S., Fink, R. M., et al. (2010) (in press) A multifaceted intervention to implement guidelines did not affect hospitalization rates for nursing home acquired pneumonia. *J Am Med Dir Assoc*.
- Johnson, P. N., Miller, J. L., Boucher, E. A., Lubsch, L., Giroto, J. E., Pesaturo, K. A., et.al. (2009). Position statement on medication dosing in overweight and obese children. *Pediatric Pharmacy Advocacy Group* from: ppag.org/obesedose.
- Kilbridge, P. M., Noirot, L. A., Reichley, R. M., Berchelmann, K.M., Schneider, C., Heard, K. M., Nelson, M., et al. (2009 Sep-Oct). Computerized surveillance for adverse drug events in a pediatric hospital. *J Am Med Inform Assoc*. 16(5), 607-612.
- Lee, B. R., Lubsch, L., Cowles, B., & Gatlin, L. (2009). Position statement on antidepressant use in children. *Pediatric Pharmacy Advocacy Group* from: ppag.org/SSRI.
- Lubsch, L. (2009). Breathing easy- update on asthma management. *Pharmacy Tech Topics*, 14(3), 1-20.
- McCord Brooks, A., & Thacker, S. M. (2009) Dapagliflozin for the Treatment of Type 2 Diabetes. *Ann Pharmacother*, 43, 1286-1293.
- McCullough, T. M. (2009). Design and Implementation of a Service Learning Course and Project: The File of Life. *Journal of Community Engagement and Higher Education*, 1(1). <http://www.discovery.indstate.edu/osj>.
- McCullough, T. M. (2009 January) "Some Service Please!" *ICHHP KeepPosted*.
- McPherson, T. & Fontane, P. (2010). Patient-centered care in the community-based compounding practice. *Journal of the American Pharmacists Association*, 50, 37.
- McPherson, T. B., Manek, R. V., Kolling, W. M., Long, S., & Li, T. (accepted) (2010). Physical characterization of 1,3-dipropyl-8-cyclopentylxanthine (CPX). *AAPS PharmSciTech*.
- Page, R. L., Linnebur, S. A., Bryant, L. L., & Ruscin, J. M. (2010). Inappropriate prescribing in the hospitalized elderly patient: defining the problem, evaluation tools, and possible solutions. *Clin Interventions in Aging*, 5, 75-87.
- Poirier, T., Butler, L., Devraj, R., Gupchup, G., Santanello, C., & Lynch, J. (2009). A Cultural Competency Course for Pharmacy Students. *Am J Pharm Educ*, 73(5) Article 81.
- Poirier, T., & Gupchup, G. (2010). Assessment of Pharmacy Students Professionalism across a Curriculum. *Am J Pharm Edu*, 74(4) Article 62.
- Poirier, T., & Santanello, C. (2010). Impact of a Pharmacy Education Concentration on Students' Teaching Knowledge and Attitudes. *Am J Pharm Educ*, 74(2) Article 23.
- Ruscin, J. M. (2010). Pharmacotherapy. In Foreman, M. D., Millisen, K., Fulmer, T. T., (Eds.) *Critical Care Nursing of Older Adults: Best Practices* (3rd ed.) (pp 267-276). New York: Springer Publishing Company.
- Santanello, C. (2009). Blake's Illness: A Case of 'Wild Life' Management. *The National Center for Case Study Teaching Science at the University of Buffalo, State University of New York*, <http://ublib.buffalo.edu/libraries/projects/cases/ubcase.htm>.
- Smith, W. D., Karpinski, J. P., Timpe, E. M., & Hatton, R. C. (2009). Evaluation of seven IV drug compatibility references by using requests from a drug information center. *Am J Health-Syst Pharm.*, 66, 1369-75.
- Sun, G., Lee, N. S., Neumann, W. L., Freskos, J. N., Shieh, J. J., Dorshow, R. B., et al. (2009). A fundamental investigation of cross-linking efficiencies within discrete nanostructures, using the cross-linker as a reporting molecule. *Soft Matter*, 5, 3422-3429
- Thacker, S., & Petkewicz, K. (2009). Gestational Diabetes. *US Pharm*. 34(9), 43-48.
- Wear, J., McPherson, T. B., & Kolling, W. M. (accepted) (2010). Stability of sodium bicarbonate solutions in EXCEL® bags. *American Journal of Health-System Pharmacy*.

Westberg, S. M., Bumgardner, M. A., Brown, M. C., & Frueh, J. (2010). Impact of an Elective Diabetes Course on Student Pharmacists' Skills and Attitudes. *Am J Pharm Educ*, 74(3), Article 49.

Wilhelm, M., Petkewicz, K., & Kerr, J. L. (2010). Description of an Interprofessional Collaboration to Optimize Influenza Immunization Efforts [Abstract]. *JAPhA*, 50(2), 275.

Wilhelm, M., & Ruscini, J. M. (2009). The use of OTC medications in older adults. *US Pharmacist*, 34(6), 44-47.

Book Chapters

Baumann, T., Strickland, J., & Herndon, C. M. (in press). Pain Management. *Pharmacotherapy: A pathophysiologic approach* (8th ed.). McGraw-Hill Medical.

Bergman, S. J. (2010). Presumptive antimicrobial selection for emergencies in infectious diseases: From head to toe. In Khardori, N. M. & Wattal, C., *Emergencies in Infectious Diseases: From head to toe* (1st ed.) (pp273-278). Byword Books, Delhi.

Crider, A. M., Nieto, M. J., Witt, K. (2010). Central Dopaminergic Signaling Agents, In Wilson & Gisvold's *Textbook of Organic Medicinal and Pharmaceutical Chemistry*. (12th ed.) (pp. 471-490). Lippincott, Williams & Wilkins.

Herndon, C. M., Jackson, D. J., & Conry, M. (in press). Social work and pharmacy collaboration in palliative care. *Textbook of palliative social work*. Oxford University Press.

Kerr, J. L. (in press). Diabetes mellitus. In Sutton, S. S., Sutton, C., (Eds.), *Naplex Review Guide*. New York: McGraw-Hill.

Ruscini, J. M. (2009). Chronic Illnesses II. In Richardson, M., Chant, C., Cheng, J. W. M., Chessman, K. H., Hume, A. L., Hutchison, L. C., et al, (Eds.), *Pharmacotherapy Self-Assessment Program* (6th ed.) (pp 61-71). Polymyalgia Rheumatica and Giant Cell Arteritis. Lenexa, KS: American College of Clinical Pharmacy.

Witt, K. A., Ronaldson, P. T., Sandoval, K. E., & Davis, T. P. Central Nervous System Delivery of Peptides across the Blood-Brain Barrier. In K. K. Jain, (ed.) *Neuroscience Methods Series*. Humana Press.



Grants/Contracts Funded

Bergman, S. J. Research training program. SEED grant for faculty development. SIUE School of Pharmacy. \$5,000, 1-year.

Butler, L. M. Pharmacy Services for Uninsured and Underserved Patients-Volunteers in Medicine Clinic. Express Scripts Foundation, \$10,000, 1-year.

Halim, Sobia Ahsan (under Dr. Kontoyianni's direction), Computer-Aided Inhibitor Design of the IL-2/IL-2R Interaction for Immunosuppressive Therapy, Higher Education Commission (Pakistan), \$3000, 6 months.

Klepser, M. & Bergman, S. Pharmacy-based influenza screening and treatment. Gilead Sciences, San Francisco, CA \$75,562.50, 1-year.

Kontoyianni, M., Features Discriminating Ligands that Do or Do not Cause Conformational Changes to Proteins upon Binding SIUE Undergraduate Research and Activities Program, \$2000, 1 semester.

Kontoyianni, M., I., Towards an Expert System for Binding Site Definitions using Descriptors. II. Extension of the System to Ligands: Predicting Function of their Respective Targets from a Pool of Ligand Descriptors, SIUE Graduate Assistant Fellowship, \$6560, 2 semesters.

Kwon, G., Preservation of mass to prevent and/or reverse type 2 diabetes, SIUE (STEP 2010), \$12,063, 1 year.

Lynch, J. C. & Niemerg, J. R. Pharmacy Outreach Program; Southern Illinois Healthcare Foundation, \$60,000, 2-years.

Newmann, W. & Salvemini, D., Targeting the Relief of Chronic Pain with Orally Active Peroxynitrite Decomposition Catalysts. NIH (NIAMS)-RC1AR058231, \$975,000, 2 years.

Sundareshan, V. & Bergman, S. Vancomycin heteroresistance in Staphylococci. Memorial Medical Foundation, \$21,150, 1-year.

Timpe, E. M. & Ferguson, M. C. Contract with Mallinckrodt, Inc. for Drug Information Services, \$7500, 1-year.

Timpe, E. M. & Ferguson, M. C. Contract with Wolters Kluwer Health for Drug Information Services, \$7500, 1-year.

Wuller, C. A. (PI), Senior Assignment Fund Proposal, SIUE Office of Assessment, \$6000, 1-year.

Witt, K. A. (PI), Somatostatin Agonist Treatment for Cognitive Aging and Dementia, National Institutes of Health (Institute for the Study of Aging), \$322,150, 2 years.

Witt, K. A. (co-PI) & Sandoval, K.E. (co-PI), Dose-dependent impact of Estrogen on the Aging Blood Brain Barrier, SIUE (STEP), \$12,000, 1 year.

New Faculty

The School of Pharmacy has added six new faculty members since June 30, 2009. Their extensive knowledge and collective enthusiasm and energy enhance the vibrant learning environment in the School.

Pharmaceutical Sciences

Maria Kontoyianni,
Assistant Professor

Kontoyianni's research interests involve the classification of structural data pertaining to ligand-protein complexes, development of computational tools to better understand ligand recognition by macromolecular targets, and drug discovery approaches to specific disease areas.



Janice Frueh, Clinical
Assistant Professor

Frueh holds an adjunct appointment with the Department of Family Medicine at Southern Illinois University School of Medicine in Springfield, Ill. Her current clinical areas of interest include diabetes, cardiovascular disease and asthma/COPD.

Pharmacy Practice

Jennifer Arnoldi, Clinical
Assistant Professor

Arnoldi holds a joint appointment with the SIU School of Medicine, Division of General Internal Medicine at St. John's Hospital in Springfield, Ill. Her areas of interest include diabetes, nutrition support and medication reconciliation.



Misty Gonzalez, Clinical
Assistant Professor

Gonzalez holds a joint appointment with the Department of Internal Medicine at SIU School of Medicine. Her areas of interest include mental illness and comorbid medical conditions, mentally ill chemical abusers, drug-induced psychosis, and adjunctive pharmacotherapy.

McKenzie Ferguson,
Assistant Professor

Ferguson practices in the Drug Information and Wellness Center. Her research interests include advancement of health literacy and patient safety and professional leadership development for students, residents and preceptors.



Carrie Vogler, Clinical
Assistant Professor

Vogler holds a joint appointment with the SIU School of Medicine, Division of General Internal Medicine at Memorial Medical Center in Springfield, Ill. Her areas of interest include cardiology, endocrinology, hematology and medication reconciliation.

Leading the Way

The Strategic Planning Summit for the Advancement of Pain and Palliative Care Pharmacy was held in October 2009 on the SIUE campus. Sponsored by a generous grant from the Mayday Fund, the Summit was developed by a multidisciplinary advisory board including pharmacists, physicians and nurses to examine the education and development of pharmacists on pain and palliative care across the entire professional continuum.

The SIUE School of Pharmacy is one of the few schools in the United States to offer specialized training in pain and symptom management. The pain summit—the first of its kind within the profession—set out to change that.

The Pain Summit Advisory Council released its recommendations about how to enhance pain management training for pharmacists at the 29th Annual Scientific Meeting of the American Pain Society in Baltimore.

Recommendations

- Model designs and recommended content within didactic and experiential coursework, as either focused learning experiences or embedded within already offered coursework
- An outline of collaborations between degree program accreditation bodies, state and national licensing boards and professional organizations representing pharmacy educators for pharmacy professional degree programs
- Requiring that pharmacists pursuing formal post-graduate clinical training outside a pain and palliative care specialty, or providing patient care in practice settings, have a core understanding of pain and palliative care
- Outlining individual practice areas and subsequent skill sets for unique practice settings with specialization
- Formally recognizing expertise for pharmacists with advanced understanding of pain and palliative care through credentialing



The Pain Summit Advisory Council is calling for enhancement of pain management training for all pharmacy schools and post-graduate training programs. “Adopting these recommendations would result in pharmacists becoming more of an active participant in treating these patients. Through improved education, pharmacists have the opportunity to contribute to the alleviation of pain and related symptoms,” said SIUE Assistant Professor of Pharmacy Practice Chris Herndon, who coordinated the summit.

“The AAHPM applauds the Planning Summit for leading the important work to produce these recommendations.”

– Dale Lupu, American Academy of Hospice and Palliative Medicine (AAHPM)

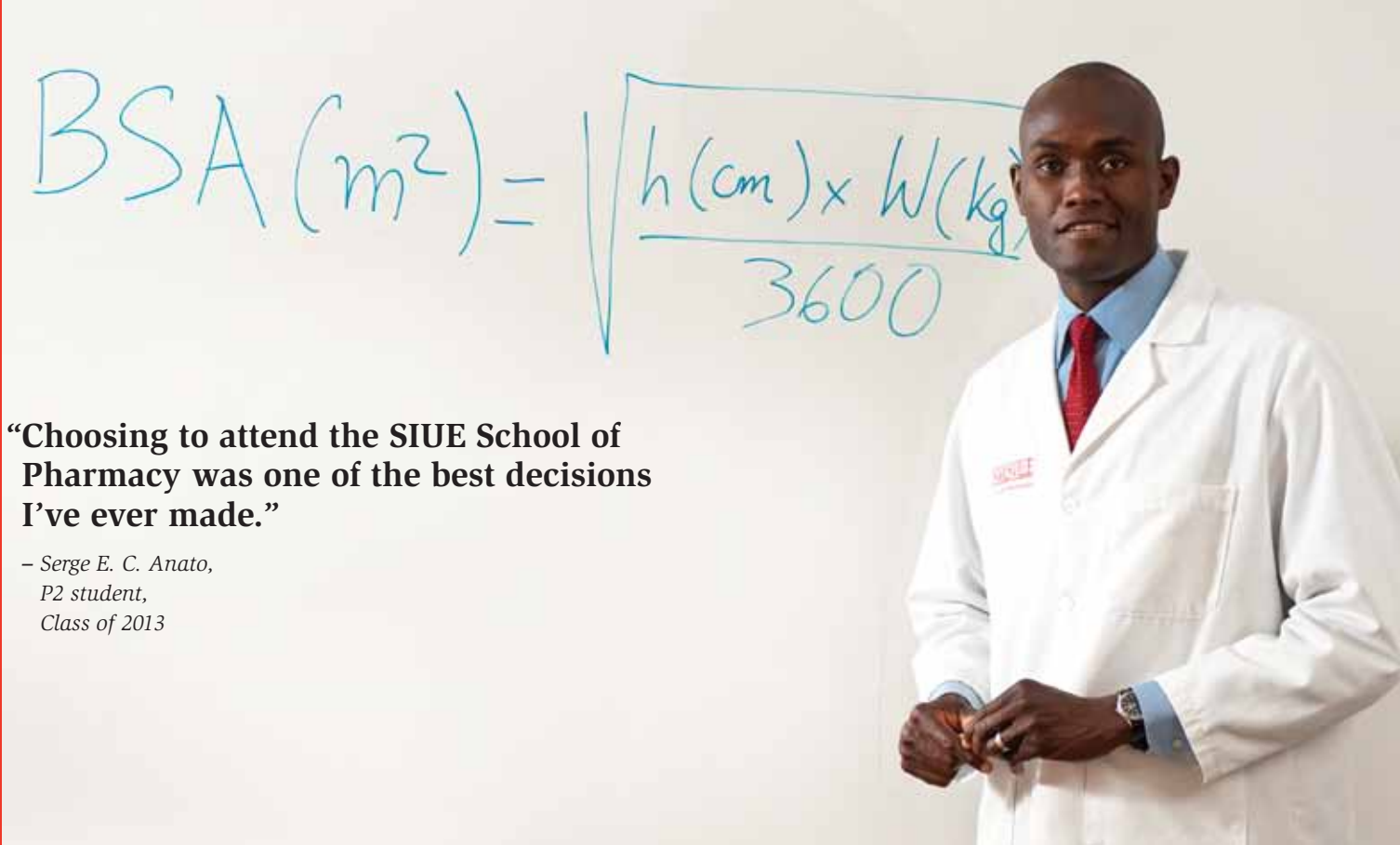
Consensus Recommendations have been endorsed in their entirety by AAHPM.

Visit pharmacypainsummit.com

- Read the full list of consensus recommendations
- View endorsing organizations
- Download poster presentation for your professional meeting

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The image shows a man in a white lab coat standing in front of a whiteboard. The whiteboard has a handwritten formula in blue ink: $BSA (m^2) = \sqrt{\frac{h(cm) \times W(kg)}{3600}}$. The man is looking towards the camera with a slight smile. He is wearing a blue shirt, a red tie, and a watch on his left wrist. The background is a plain white wall.

“Choosing to attend the SIUE School of Pharmacy was one of the best decisions I’ve ever made.”

– Serge E. C. Anato,
P2 student,
Class of 2013



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forests, controlled sources and
recycled wood or fiber

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