



Care for the Community is not just something we say, it is the reason for everything we do.

Graduation 2015 at PC School of Pharmacy

Presbyterian College School of Pharmacy awarded doctoral hood and diplomas to its second class during Commencement activities on May 8th and 9th, 2015,.

The Presbyterian College School of Pharmacy bestowed seventy-five doctoral hoods upon its second graduating class on May 9, 2015 in Belk Auditorium and then diplomas at the Presbyterian College commencement ceremonies the following morning.

Dr. Jenelle Sobotka, Endowed Chair of Pharmacy Practice at Northern Ohio Northern University Raabe College of Pharmacy, was the Keynote Speaker at the Hooding Ceremony. The P4 class nominated Jean Whyte to be the Distinguished Graduating Speaker to address the class and guests at the 2015 Hooding Ceremony.

Dr. Richard Stull, former Founding Dean, received an honorary Doctor of Public Service degree.





- **Jean Whyte** was nominated and awarded the South Carolina Pharmacy Association (SCPhA) 2015 Student Pharmacist of the Year award at the Annual Convention this June. This award is presented to a student in good standing at a college in SC, has been a member of SCPhA for at least 1 year, demonstrates involvement in and promotion of SCPhA on their respective campus, and demonstrates passion for the profession, their patients and their community.



• Students and faculty attended the South Carolina Pharmacy Association (SCPhA) Annual Convention this past June in Hilton Head, SC where the theme this year was "Grease."

Publications

- Foushee J, Fox LM, Gormley LR, Lineberger MS. Physical compatibility of cisatracurium with selected drugs during simulated Y-site administration. *American Journal of Health-System Pharmacy* 2015;72:483-6.
- Linder L, Clements J. Combination therapy for hypothyroidism. Accepted and to be published in *Journal of the American Association of Physician Assistants*.
- Maxwell W, Moore K, White SF, Shrader S, and Lu K. Manuscript accepted to *Journal of Clinical Pharmacy and Therapeutics*. (Title: Survey of Pharmacists' Subtherapeutic INR Management and Anticoagulation Bridging Practices: A Preliminary Assessment)
- Clements J, Shealy K. Liraglutide: an injectable option for the management of obesity. *Ann Pharmacother* 2015 May 18. [Epub ahead of print]

Accomplishments



- **Dr. Gene Reeder** was presented with the University of South Carolina Pharmacy 2015 Outstanding Alumnus Award at the Convocation Ceremony and Doctoral Hooding for the USC campus of the South Carolina College of Pharmacy (SCCP) on May 6th.



- The latest National Institutes of Health (NIH) funding rankings have been released. Presbyterian College is ranked #60 with \$417,389 in total funding from NIH during 2014. We have moved up nine spots from #69 in 2013. This is outstanding for a program that started just 6 years ago. Much of this success can be attributed to Dr. Alfonso Sandoval Romero, our Director of Research. He and several others have assisted us in developing a strong research effort here at PC.

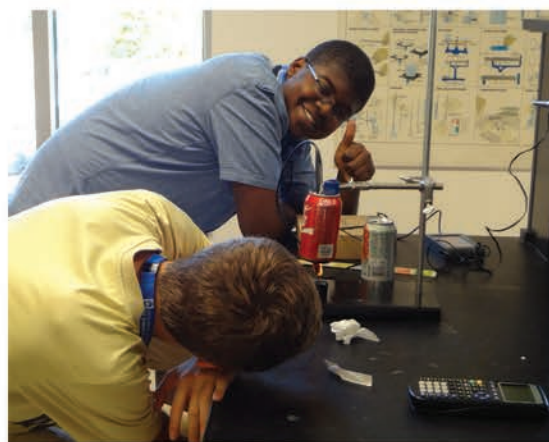


- **Dr. Giuseppe Gumina** placed first with a time of 21:39 at the Pharmathon 5K held at the American Association of Colleges of Pharmacy (AACP) Annual Meeting in Maryland this July.



"Pharmacy: Patients, Pills, and Potions" at the SC Governor's School

PCSP was well represented at the 2015 GoSciTech, the SC Governor's School for Science and Mathematics' annual residential summer science camp in Hartsville, SC. Drs. Scott Asbill, Rebecca Bickley, Giuseppe Gumina, Amy Messersmith, Nancy Taylor, Tiffaney Threatt and Eileen Ward, and P3 student Becca Foster offered a week-long full exposure to the many different facets of pharmacy. The class, composed of 16 bright 9th and 10th graders from across the state of South Carolina, learned about compounding, community and clinical pharmacy, as well as chemistry, physics, biology and pharmacogenomics of drugs. Hands-on experiences included compounding a medicated cream and a simple syrup, surveying nutrition, exercise and electronic use habits, using an asthma inhaler, reading a medical chart, preparing an IV bag, building a polarimeter and a calorimeter, and extracting DNA from fruit.





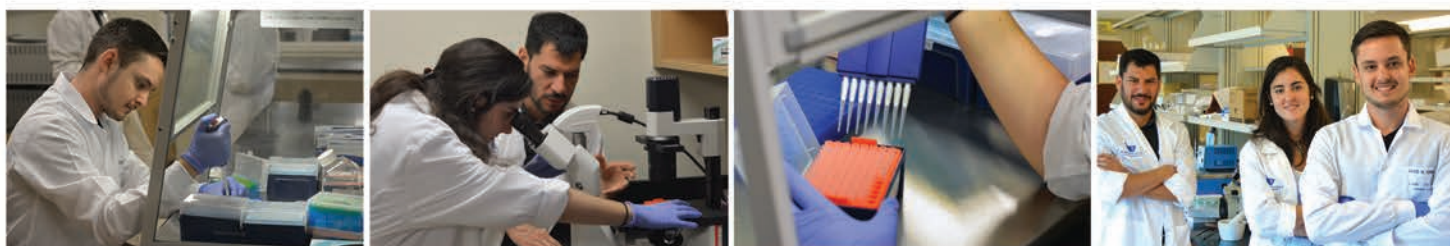
Pharmacy Research Summer Interns Return to PC

Presbyterian College School of Pharmacy welcomed thirteen Pharmacy Research Summer Interns for the 2015 summer program.

This summer, interns spent eight weeks doing faculty-mentored pharmacy and biomedical research projects that spanned from clinical to basic science. This year the program included PCSP students and pre-pharmacy students from across the US. The program also expanded to include international students as well. This year, the program welcomed two international students, Carolina ("Carol") Moracho Vilrriales from University of Alcalá, Alcalá de Henares, Spain and David Ferreira from University of São Paulo, Ribeirão Preto, Brazil. Carol is learning how to design and synthesize puromycin analogs to be used as novel antibiotics at the laboratory of Dr. Gumina. David is working at the laboratory of Dr. Romero-Sandoval in the study of how macrophages could help in the resolution of inflammation and wound healing using a nanotechnology-based gene therapy.

This year PCSP sent two pharmacy students, Annie Bailey and Nieka Jackson, to the University of Alcalá, Spain. Annie is working at the laboratory of Dr. Ramirez-Chamond and Dr. Matilde Alique in the study of the molecular mechanisms of endothelial cell senescence in chronic kidney disease conditions using molecular biology techniques. Nieka is working at the laboratory of Dr. Lopez-Garcia and Dr. Elsa Cisneros in the characterization of compounds with potential analgesic effects using molecular biology and electrophysiological approaches.

Dr. Alfonso Romero-Sandoval, Director of Research at PCSP and coordinator of the PRSI program states, "This year the PRSI program was the most competitive one since its inception in 2013. The selection of our thirteen interns was very difficult due to the high quality of all applicants. This demonstrates the relevance that the PRSI program is acquiring in our institution, other states in the country, also in our partner university in Spain (University of Alcalá) and even in other countries." He continued, "I am confident to say that this year the PRSI program has settled as the corner stone of the PCSP student research endeavors. It not only provides high caliber scientific research opportunities, but also a full time hands-on experience with a one-to-one mentor interaction. The PRSI interns participated in weekly group workshops on how to read, write, search, and interpret scientific literature, which provides them with a solid background of theory and real science. Our PRSI students also enjoy a community service activity. This summer, we volunteered 22 hours of community service at The Hospice of Laurence County"



PSRI Posters Presented at the Summer Fellows Symposium at PC:

The SMAC Mimetic Birinapant Induces Apoptosis via cIAP1 and cIAP2 in Urothelial Bladder Cancer Cells.

Mentor: Dr. Serge Afeli PRSI intern: Sarah Goines (PCSP P3)

Development of Methods for the Extraction and Analysis of Vinblastine, Losartan, and Citalopram from Tissue Culture Cells

Mentor: Dr. David Eagerton PRSI intern: Jessica Beamon (Hamline University, MN)

Design and Synthesis of Puromycin Analogs as Novel Antimicrobial Agents

Mentor: Dr. Giuseppe Gumina iPRSI intern: Carolina Moracho (iPRSI - UAH, Spain)

Characterization of Lymphocytes in the Cervical Mucosa

Mentor: Dr. Amy Messersmith PRSI intern: Becca Foster (PCSP P3)

Correlation of Cobalt Effects on Gene Expression with Intracellular Metal Ion Accumulation in an In Vitro Sertoli cell Model

Mentor: Dr. Nancy Pedigo PRSI intern: Meleq Williams (Claflin University, SC)

Functional blockade of CD163 receptor overexpressed in macrophages impairs release of cytokines and the wound healing process

Mentor: Dr. Romero-Sandoval iPRSI intern: David Ferreira (University of São Paulo, Brazil)

P-glycoprotein Induction of Chemotherapy Naive Cancer Cells via Non-chemotherapy P-glycoprotein Substrates

Mentor: Dr. Chris Farrell PRSI intern: Lisa Gibbs (PCSP P2)

The Effects of Efavirenz on ABCG2/BCRP Expression in Human Carcinoma Cells

Mentor: Dr. Eddie Grace PRSI intern: Nikki Dominick (PCSP P3)

Social Support in a Pharmacist-Run Diabetes Education Program in a Rural Free Clinic

Mentors: Drs. Sarah Wagner, Tiffaney Threatt, Eileen Ward PRSI intern: Theodora Hampton (PCSP P2)

Correlation of Peripheral Diabetic Neuropathy with Glucose Levels in Patients from the PCSP Wellness Center

Mentors: Drs. Romero-Sandoval, Sarah Wagner, Tiffaney Threatt PRSI intern: Jessica Prestia (PCSP P2)

Diabetic Neuropathy: Incidence and Treatment in Rural Underserved Diabetic Patients from the PCSP Wellness Center

Mentors: Drs. Romero-Sandoval, Sarah Wagner, Tiffaney Threatt PRSI intern: Jimmy Pruitt (PCSP P2)



The 2015 Teacher of the Year Award:

Dr. Nancy Goodbar.

Awards Day 2015

Here at the PC School of Pharmacy, we are fortunate to have students who strive to learn, have strong character and ambition to be leaders and compassion to provide service and care to their communities. We are also fortunate to have an outstanding faculty and staff that educate, challenge and mentor our students to be the best they can be inside and outside of the classroom. On April 15, we gathered to honor those that went above and beyond. Student government members and student organization leadership members were recognized for their service. We have truly had an outstanding group of students, faculty and staff this year.



The Student Advocate Award:
Ms. Gloria King.



The Outstanding Student Service Award:
Courtney Meade.



The Outstanding Student Leadership Award:
Edana Holliday.



The Outstanding Student Research Award:
Evan Bryson.



The Outstanding Student Professionalism Award:
Arathi Pillay.



The Preceptor of the Year Award:
Dr. Viren Patel.



The Faculty Preceptor of the Year Award:
Dr. Tommy Johnson.



The Outstanding Faculty Research Award:
Dr. Giuseppe Gumina.

Scholarships Awarded:

The recipients of the Walgreens Diversity Scholarships were **Adia Singleton** and **Randall Watson**.

The recipient of the Walgreens Diversity and Inclusion Excellence Scholarship was **Edana Holliday**.

The recipients of the Rite Aid Scholarships were **John Mark Dias**, **Sarah Goines**, **Jason Jones**, **Kathryn Masincupp**, and **Lizzy Robinette**.

The recipients of the PC Care of the Community Scholarships were **Katherine Bourgeois**, **Morgan Enlow**, **Jessica Sanchez-Cruz**, and **Caitlin Sanders**.

The recipients of the NACDS Foundation Pharmacy Partners Scholarship were **Jenny Goetzmann** and **Nicole Rhinehart**.

The recipient of the Mutual Drug Pharmacy Student Scholarship was **Caleb Staggs**.

The recipient of the David Marion Cullum Scholarship was **Victoria Paradisio**.

The recipient of the J.M. Smith Foundation Scholarship was **Emily Huneycutt**.