



News Update



Dr. Rodney Hunter, Provost Harris, Interim Dean Milton, Pharmacy and TSU students.

Get Connected Health Fair

The Phi Lambda Sigma (PLS) Alpha Pi Chapter, hosted their first annual Get Connected Health Fest Event on Tuesday, April 23, 2019 from 12:00 PM to 5:00 PM. As a pharmacy leadership society on the Texas Southern University campus (TSU), PLS strives for the betterment of the community, and the pharmacy profession. The goal of this event is to provide a hub of access to all of the resources at TSU including other pharmacy groups, the Health Center, Recreational Center, Counseling Center, and many other different organizations! At this event, PLS provided free health screenings such as blood pressure, blood glucose, blood cholesterol, BMI, STD and depression. In addition to this, educational materials were displayed to bring awareness to use of antibiotics, medication safety, breast cancer awareness, and many other fun activities. The health fair showcases the various programs within the College of Pharmacy and Health Sciences.



Texas Southern University students participating in the Zumba dance clinic during the Phi Lambda Sigma Health Fair.



Pharmacy students testing other students blood glucose levels.

Academic Leadership of the
College of Pharmacy and Health
Sciences

Interim Dean

Dr. Shirlette Glover Milton

Associate Dean of Academic Affairs

Dr. Aisha Morris-Moultry

Director of Assessment

Dr. Richard Plott

Assistant Interim Dean of Student Services

Dr. Willie Capers

Assistant Dean of Practice Programs

Dr. Flora Estes

Department Chairs

*Dr. Nora Osemene, Interim
Pharmacy Practice and
Clinical Health Sciences*

*Dr. Dong Liang Pharmaceutical and
Environmental Health Sciences*

*Dr. Sondip Mathur Pharmacy
Administration and
Administrative Health Sciences*

*Dr. Portia Davis and Dr. Kim
Pounds
Interim Vice Chair (OCAS)
Office of Clinical Admin Services*

*Mr. Richard Gould
College Business Administrator*

Lyndon B. Johnson Hospital Health Administration Professional Development Excursion



***Pictured:** Bushra Almashama, Taneshia Bias, Jasmine Cox, Kiera Francis, Krystal Harris, Hillary Hooker, Nakeisha Isom, Jenny Le, Mikaela Odom, Dr. Monica Rasmus, Kimberly Riley-Richardson, Chinh Sam, Taliah Washington, Dajah Wilson, Kimberly Brown, Bianca DeLeon (Harris Health Coordinators)*
***Not Pictured:** Dr. Kimberly Pounds, Jennifer Williams*

On March 28, 2019, Harris Health System welcomed the Health Administration students for a tour of their facility at LBJ Hospital. There were 17 students, 2 professors and 1 staff person in attendance. The group was hosted by Health Administration Senior and employee, Derius Davis, and the Volunteer Services Coordinators, Bianca DeLeon and Kimberly Brown. The day was filled with presentations from Mr. Chris Matthews, Administrative Director of Hospital Operations and Ancillary Services and Mrs. Juanita Al-Abbadi, Director of Patient Customer Relations. The students enjoyed learning about sharpening their leadership skills and ways that they can transition into healthcare through volunteerism. They were treated to a tour throughout the hospital and along the way learned about the many areas of the hospital and where as future administrators they could work. During one of the stops, the students were able to meet Kia Ward, who is a two time graduate of TSU and now works in

operations. She gave them some perspective of what it is like to work in an administrative role for a clinical program. Overall, the tour was a huge success and each participant was excited about the learning opportunity to interface with administrative professionals in Health Administration.



Texas Southern University Alumna, Kia Ward spoke to our Health Administration students about her role in Nursing Operations during the LBJ tour. Kia is a two time graduate of TSU.



Health Administration student Derius Davis who serves as an employee for LBJ

Student Highlights

Phi Lambda Sigma (PLS) Alpha Pi Chapter Induction 2019



Phi Lambda Sigma (PLS) Alpha Pi Chapter Induction 2019 with (10) incoming members. PLS Chapter Advisor: Dr. Flora Estes

Phi Lambda Sigma (PLS) recognizes its graduating seniors of which four (4) obtained residencies Justin Babino (PGY1/2/MS Health System Administration and Leadership at Baylor St. Luke's Medical Center/University of Houston - Houston, TX), Michelle Dano (PBY1/2/MS Health System Administration and Leadership at University of Wisconsin Health - Madison, WS), Ryan Hughes (PGY1/2/MS Health System Administration and leadership at Novant Health - Charlotte, NC), Mary Young (PGY1 at University of Texas Southwestern medical Center - Dallas, TX).



Phi Lambda Sigma (PLS) Alpha Pi Chapter 2019 Inductees: (Left to Right) Uzoamaka Abajue (P3), Chuck Asonye (P3), Melissa Bui (P3), Cris Cruz (P3), Vivian Ezigwe (P2), Jessica Francois (P3), Kimlan Nguyen (P2), Shirley Nguyen (P2), Andre Phillips (P1), Tasha Roshan (P2).

Student Leadership and Development

Meetings	Locations	Dates
Kappa Psi Southwest Province Spring 2019 Assembly	Denver, CO	March 1-3, 2019
ACHE Congress on Healthcare Leadership	Chicago, IL	March 3-6, 2019
APhA-ASP National Conference and Exposition	Seattle, WA	March 22-25, 2019
AMCP Spring Meeting	San Diego, CA	March 25-27, 2019
2019 Health Administration Professional Development Seminar and Tour of LBJ Hospital	Houston, TX	March 28, 2019
Pharmaceutical Sciences EB 2019 Program	Orlando, FL	April 6-9, 2019
SSHP-2019 TSHP Annual Seminar	Frisco, TX	April 12-14, 2019

"Talent wins games, but teamwork and intelligence win championships." – Michael Jordan

Point of Care Testing



Mrs. Dorothy Cumming, Clinical Adjunct Instructor in the Clinical Laboratory Science Program lectured to first year pharmacy students in the Pharmacy Practice II Lab course on Point-of-Care (POC) Testing, along with two students in the CLS program.

Mrs. Cumming provided hands-on training with cholesterol and blood glucose monitoring, testing for mononucleosis “the kissing disease”, and urine dipstick. She also shared information regarding syphilis, HIV testing and more.



She shared the importance of using controlled measures in diagnosing in any practice setting, CLIA; the regulatory agency on federal standards on testing of human specimens, and accreditation through the College of American Pathology (CAP).



“Talent wins games, but teamwork and intelligence win championships.”
– Michael Jordan

Professionalism and Harmonious Relations Committee

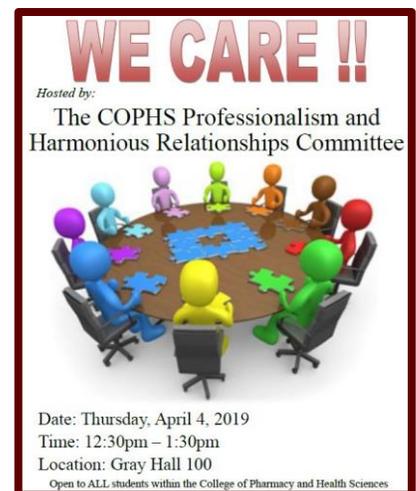
The Professional and Harmonious Relationships (PHR) Committee was developed to foster great relationships between faculty, staff, and students in the COPHS. As a result of several meetings, the committee has developed a pledge to uphold the standards and values of the organization and university as a whole. The core values are DEVELOP, FOSTER, SUPPORT, DEDICATE, and MAINTAIN. On April 4, 2019, the committee held it’s first forum to give students a platform to voice their concerns about and ideas to enhance the College’s practices.



Kenley Miller, Keilon Robinson, Todd TJ Strayhorn, and Andre’ Phillips .



Dr. Ohia Chair of the PHR with two of the student committee members.



WE CARE !!
Hosted by:
The COPHS Professionalism and Harmonious Relationships Committee



Date: Thursday, April 4, 2019
Time: 12:30pm – 1:30pm
Location: Gray Hall 100
Open to ALL students within the College of Pharmacy and Health Sciences

TSU Academy of Managed Care Pharmacy (AMCP) Round Table Event



COPHS students collaborating at the AMCP Round Table Event.

2019 TSU AMCP/IPHO held its first annual managed care/industry roundtable event on campus. Pharmacists came from several companies including Bristol-Myers, Pfizer, Takeda Shire, Novo Nordisk, UTMB, Harris Health, Aetna and Cigna. Students were able to engage and ask questions about residencies, fellowships, internships and careers. Faculty who had previous positions/experience in these fields were also there to speak with our students on their experiences. This event allowed students to get information on advancing in the areas of managed care and industry pharmacy.

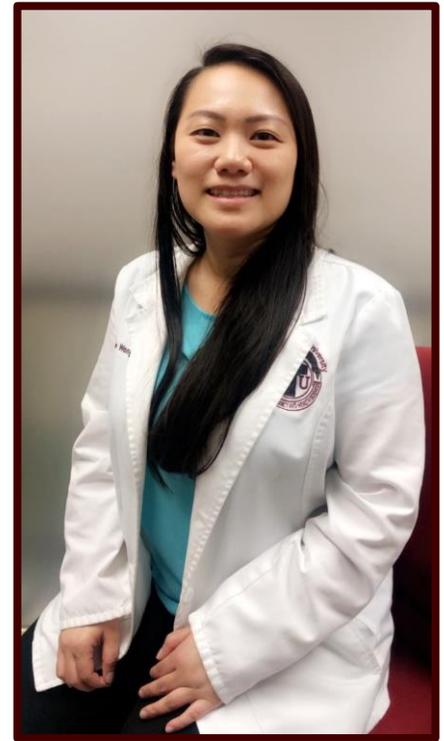


COPHS students collaborating at the AMCP Round Table Event.

Congratulations Andre' Phillips and Ka Wong for getting accepted into the Methodist Internship Longitudinal Experience (MILE) Program through Houston Methodist. The purpose of the MILE program is to provide practical experience in health system pharmacy to optimally prepare student pharmacists for post-graduate training and other professional opportunities. Up to four students are accepted each year between UH and TSU, and for the first time in over three years, the MILE program selected two TSU pharmacy students. Through this awesome opportunity, Phillips and Wong will spend 75% of their experience in operations and direct patient care, and 25% of their experience completing projects, research, assignments, and attending seminars & mentor-mentee activities. Phillips and Wong will be joining Ryan Hughes (P4), Darlington Francis



HOUSTON
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LEADING MEDICINE



Kudos to Kenley Miller-Sangodeyi for his first published article. Miller-Sangodeyi is a P1 student that worked with a team to investigate how interleukin-1 alpha increases anti-tumor efficacy of cetuximab in head and neck squamous cell carcinoma.

Espinoza-Cotton et al. *Journal for ImmunoTherapy of Cancer* (2018) 7:79
<https://doi.org/10.1186/s12959-018-19058-z>

Journal for ImmunoTherapy of Cancer

RESEARCH ARTICLE Open Access

Interleukin-1 alpha increases anti-tumor efficacy of cetuximab in head and neck squamous cell carcinoma

Madeyn Espinoza-Cotton^{1,2}, Samuel N. Rodman III^{1,2}, Kathleen A. Ross^{1,4}, Isaac J. Jensen^{1,4}, Kenley Sangodeyi-Miller¹, Ayana J. McLaren¹, Rachel A. Dahl^{1,5}, Katherine N. Gibson-Corley^{1,6}, Adam T. Kody⁶, Yang-Xin Fu⁷, Vladimir P. Badovinac^{2,3,8,10}, Douglas Laux¹¹, Babji Nasariman^{1,4} and Andrian L. Simons^{1,2,3,4*}

Abstract

Background: Despite the high prevalence of epidermal growth factor receptor (EGFR) overexpression in head and neck squamous cell carcinomas (HNSCC), incorporation of the EGFR inhibitor cetuximab into the clinical management of HNSCC has not led to significant changes in long-term survival outcomes. Therefore, the identification of novel therapeutic approaches to enhance the clinical efficacy of cetuximab could lead to improved long-term survival for HNSCC patients. Our previous work suggests that EGFR inhibition activates the interleukin-1 (IL-1) pathway via tumor release of IL-1 alpha (IL-1α), although the clinical implications of activating this pathway are unclear in the context of cetuximab therapy. Given the role of IL-1 signaling in anti-tumor immune response, we hypothesized that increases in IL-1α levels would enhance tumor response to cetuximab.

Methods: Parental and stable myeloid differentiation primary response gene 88 (MD88) and IL-1 receptor 1 (IL-1R) knockdown HNSCC cell lines, an IL-1R antagonist (IL-1RA), neutralizing antibodies to IL-1α and IL-1β, and recombinant IL-1α and IL-1β were used to determine cytokine production (using ELISA) in response to cetuximab in vitro. IL-1 pathway modulation in mouse models was accomplished by administration of IL-1RA, stable overexpression of IL-1α in SQ209 cells, administration of IL-1α, and administration of a polyamphiphilic nanoparticle formulation of IL-1α. CD4⁺ and CD8⁺ T cell-depleting antibodies were used to understand the contribution of T cell-dependent anti-tumor immune responses. Baseline serum levels of IL-1α were measured using ELISA from HNSCC patients treated with cetuximab-based therapy and analyzed for association with progression free survival (PFS).

Results: Cetuximab induced pro-inflammatory cytokine secretion from HNSCC cells in vitro which was mediated by an IL-1α/IL-1R/MD88-dependent signaling pathway. IL-1 signaling blockade did not affect the anti-tumor efficacy of cetuximab, while increased IL-1α expression using polyamphiphilic nanoparticles in combination with cetuximab safely and effectively induced a T cell-dependent anti-tumor immune response. Detectable baseline serum levels of IL-1α were associated with a favorable PFS in cetuximab-based therapy-treated HNSCC patients compared to HNSCC patients with undetectable levels.

Conclusions: Altogether, these results suggest that IL-1α in combination with cetuximab can induce a T cell-dependent anti-tumor immune response and may represent a novel immunotherapeutic strategy for EGFR-positive HNSCCs.

Keywords: EGFR, Cetuximab, Interleukin-1, Anakinra, Cytokines, Nanoparticle, HNSCC, Biomarker

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Programming

Peer Mentoring

This Spring, we offered three peer mentoring days, February 4th, March 18th, and March 25th. The first two sessions were led by the P3s, where roughly 21 P1 students were in attendance. The P3s provided the P1s with valuable information on how to maneuver and be successful in the program. On March 18th, the P3s discussed professionalism, internships, and time management. On March 25th, the P4s led the session with mostly P3s in attendance on how to go about finding the right residency program. The students look for to the professional development and self-reflective oriented peer mentoring days in the Fall.



P3s and P1s, Peer Mentoring Day, February 4, 2019.



P3s and P1s, Peer Mentoring Day, March 18, 2019.



P4s and P3s, Peer Mentoring Day, March 25, 2019.

Programming

Multicultural Day



All students in the COPHS were invited to the Multicultural Day Event held on May 2, 2019 in the Nabrit Science building. With the sponsorship of Walgreens, COPHS was able to expose students to different cultural cuisines. Students were also encouraged to dress in their native attire and bring traditional dishes as well. Thirty students across the college attended the event, in addition to the 19 students that brought a traditional dish. Next year, the college looks forward to seeing more students participate and present about their culture.



TEXAS SOUTHERN UNIVERSITY

College of Pharmacy and Health Sciences

MultiCultural Day

Meet and Greet!!!

Thursday, May 2, 2019
11:00 am-1:00 pm
Nabrit Science Building
(1st Floor)

"ALL ARE WELCOME"

Proudly sponsored by:
Walgreens
Trusted since 1901
the corner of happy & healthy



COPHS Partnerships

World Health Day and The March of Dimes



Dr. Erica Giwa, Texas Medical Director of OBGYN Children's Health Plan, Ms. Winell Herron, VP Public Affairs H-E-B, Heidi Smith, TSU Chief of Staff, Ms. Shawntell McWilliams, March of Dimes Birth Equity Co-Chair, Interim Dean Shirlette Milton, College of Pharmacy and Health Sciences, Ms. Gina Gaston, ABC 13 News, and COPHS students.



World Health Day and the March of Dimes was an exciting day focused on personal and community health. A preconception health discussion and panel featuring Interim Dean, Shirlette Milton College of Pharmacy and Health Sciences, Gina Gaston ABC 13 News, Heidi Smith TSU Chief of Staff, Shawntell McWilliams March of Dimes Birth Equity Co-Chair, Winell Herron, VP Public Affairs H-E-B and Dr. Erica Giwa, Texas Medical Director of OBGYN Children's Health Plan.



Dr. Shawntell Mc Williams, Ms. Winell Herron (VP Public Affairs HEB), Kora Cooper and Rita Durugbor (COPHS students).

Faculty, Staff, and Alumni Sightings

Texas Society of Health Systems Pharmacist (TSHP) Events and Faculty Appreciation



Interim Dean Milton, Pharmacy students, alumni, and friends attending TSHP Friends and Alumni Reception.



Interim Dean Milton and Pharmacy students attending TSHP Friends and Alumni Reception.



Interim Dean Milton along with the Deans from other Texas Colleges and Schools of Pharmacy address the topic of "Sustainable Career and Leadership Planning" at the 2019 TSHP Annual Meeting in Frisco, TX.



Dr. Estes socializing with friends at the TSHP Reception.



Spring 2019 Annual Faculty Appreciation Luncheon provided by the incoming P4 Class 2020.



Dr. Flora Estes (TSU COPHS) and Dr. Jacquelyn Navarrete (UT El Paso) co-presented on "Incorporating EPA Assessment within Workflow" TCEP approved Preceptor Training at the TSHP Annual Meeting.

Faculty, Staff, and Alumni Sightings

Staff Luncheon April 24, 2019



"If everyone is moving forward together, then success takes care of itself." -H. Ford

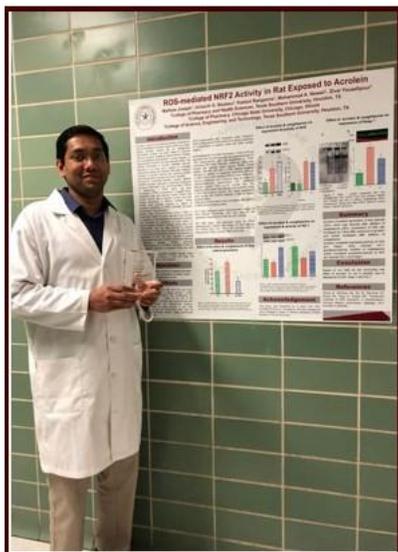
Congratulations Dr. Linda Solis, Coordinator of Recruitment and Retention, for being selected to be a part of LEAD TSU. The goal of the LEAD TSU, Leadership Education And Development, program is to develop high potential individuals to fill future leadership roles and shape the future of our great university. President Lane and leadership mentors will work closely with program participants to advance their capabilities through a variety of experience-based learning opportunities. Cohort participants will be better prepared to take on leadership roles and responsibilities upon completion of the program.



Honors Convocation Awards Ceremony
Ms. Jennifer Dennis and Ms. Wykita Adams with the COPHS Office of Student Services along with Ms. T. Johnson (*not pictured*) in the Dean's office Awarded the Students of COPHS their Honor Awards for April 9, 2019 in the HP& E Arena where six COPHS students received a 4.0 GPA in both semesters:
Hau Tran, CLS
Benjamina Mbah Acha, RT
Ghufran Alahdari, RT
Maryam Alramadhan, RT
Zahra Alramadhan, RT
Naif Sulaiman, RT



Mrs. Aericka Dixon represented TSU at the TSHP Alumni & Friends Meeting.



TSU Research Week

Mr. Mathew K. Joseph, a Research Associate for the College of Pharmacy and Health Sciences at TSU, was awarded 2nd place for his poster titled "ROS-mediated NRF2 Activity in Rats Exposed to Acrolein". The study investigated the contribution of Keap1/Nrf2/HO1 pathway to the attenuation of oxidative stress in acrolein-induced insult in rats. Congratulations Mr. Joseph!



Texas Southern University (TSU) hosted its third annual *Maroon & Gray Affair* on Saturday, April 27 at the Marriott Marquis Hotel in Houston. The gala raised a record **\$1.2 million** for student scholarships.



Alumni Matthew and Angela Rogers owners of Power Center Pharmacy

“The Texas Southern University community has delivered a strong helping hand through this event to students who are on their way to graduation,” said TSU President **Austin A. Lane**. “This unparalleled generosity means that young people can concentrate and stay on a strong academic path to become leaders in today’s ever-changing society.” Texas Southern alumni and students were honored during Saturday’s sold-out event. “We are proud to celebrate our students and alumni in such a dynamic way,” said **Loren Lane**, first lady of Texas Southern University. COPHS faculty, Interim Dean Milton, a current



pharmacy student (former Miss TSU), alumni, and friends gathered to support the college at this purposeful event. (top right picture).



Ms. Kishma Morancie, Interim Dean Milton, Ms. Sonya Gary, P3 Student Tramauni Brock, and TSU Alumni.



President Lane, Interim Dean Milton, and Deborah Dancer Hickman (Daughter of the late Dr. Eugene Hickman, Sr.)

Message from the Interim Dean



As we close the 2018-2019 academic year with activities presented in this newsletter, I want to update you on significant College events that lie ahead.

- The Dean's search has progressed aggressively with interviews for four candidates scheduled from March 6th to March 13th.

- The College is actively engaged in preparation for program accreditation reviews in Pharmacy, Environmental Health, Clinical Laboratory Sciences, Respiratory Care and Health Care Administration.

- Dr. Felicia McAdams launched the co-curricular requirements program for the Pharmacy students. The program is still evolving with the hopes of incorporating faculty and alumni in the review and planning process. The students have already committed to the experiential activities designed to enhance students' learning through the application of knowledge and skills acquired in the classroom setting to activities, projects, and experiences in the community.

- The College's first interprofessional global experience is scheduled for May 31st–June 15th in St. Kitts/Nevis.

- The College Culmination Ceremony, honoring COPHS graduates in all programs is scheduled for May 17th in Granville Sawyer Auditorium. A reception for graduates and their guests follows on the Campus Plaza. Commencement is May 18th. The Class of 2019 has 107 PharmD candidates for graduates and 90 Health Sciences candidates for graduation.

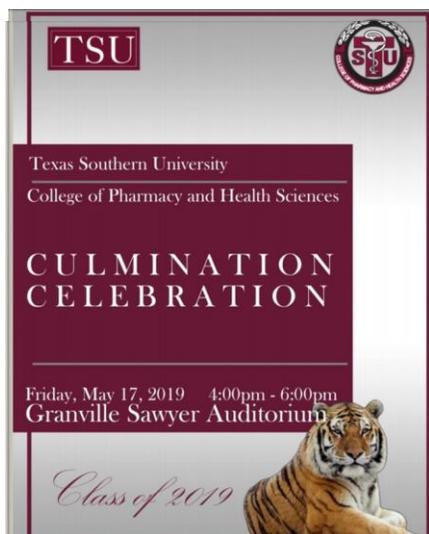
- The College Culmination Ceremony, honoring COPHS graduates in all programs is scheduled for May 17, 2019 at 4:00-6:00 pm in Granville Sawyer Auditorium. A reception for graduates and their guests follows on the Campus Plaza.

- This year marks the 70th Anniversary of the College producing quality health care professionals for the city, state, nation and the world. We are excited about the celebration scheduled for fall, 2019. The retirement of Dr. Eugene, a former dean of the College will also be celebrated at this event.

- Please contact the Office of the Dean for further information regarding these events as well as College donations to ensure their success. Thank you for your continued support of our programs and our students as we continue our legacy of producing "Legends and Leaders" in their respective areas of practice.

Best Regards,

Dr. Shirlette Milton



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TEXAS SOUTHERN UNIVERSITY

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CO-CURRICULAR REQUIREMENTS

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Office of Student Services
Doctor of Pharmacy
Forms
Resources
Staff
News & Events
Student Organizations
Student Handbook & Technical Standards
Student Travel
Student Concern
Student Ambassador Program
Course Catalog
Advising

Co-curricular requirements are experiential activities that enhance students' learning through the application of knowledge and skills acquired in the classroom setting to activities, projects, and experiences in the community.

TSU COPHS Expectations: Students are expected to complete (3) domain activities and (7) service learning hours during their P1, P2, and P3 years and (1) domain activity during their (P4) year. By graduation, students would have actively participated in (10) domain activities and (21) service learning hours.

<p>Domain3</p> <ul style="list-style-type: none"> • Education • Patient Advocacy • Interprofessional Collaboration • Cultural Sensitivity 	<p>Domain4</p> <ul style="list-style-type: none"> • Self-Awareness • Leadership • Innovation and Entrepreneurship • Professionalism
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Service learning hours activities must have a pharmacist preceptor on site and available for consultation and include two or more of the following activities:

- Conducting patient interviews to obtain patient information
- Responding to drug information inquiries
- Interacting with other health care professionals
- Participating in educational offerings or health screenings designed to benefit the health of the general public
- Triaging and assessing the need for treatment or referral, including referral for a patient seeking pharmacist-guided self-care
- Assessing patient health literacy and compliance
- Providing point-of-care and patient-centered services

All CCRs must be completed by June 1st (P1 year, P2 year, & P3 year) to continue to the next professional year and April 1st to graduate (P4).