

CARE in *Action*

Spring 2015

**Preparing for 2016
ACPE Standards**
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Community Health Fair
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**New Library Learning
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CNUCOP Takes Part in HIV/AIDS and Aging Awareness Day

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CNUCARES



CAMPUS-WIDE HEALTH FAIR



NEW LIBRARY LEARNING CENTER

A MESSAGE FROM

Interim Dean Karen Hassell

I am delighted to introduce this latest issue of our College's *Care in Action* publication. I joined the College of Pharmacy at California Northstate University in August last year, having left my academic post in the 150-year-old University of Manchester in the North West of England after 23 years working in the Pharmacy School there. So, a big change; I left behind a very wet England for the sunshine state of the USA and a much "younger" College of Pharmacy.

I have joined a College that although relatively new in its life cycle has managed many wonderful achievements already. It is a vibrant, collegial, exciting place to work and study, offering students a chance to learn and acquire skills in a pretty unique active learning environment that helps them become effective, professional and caring pharmacists. This year will see our fourth cadre of PharmD students graduate. We know that all will find employment, and if the successes of our alumni are anything to go by we know that many of the class of 2015 will go on to be leaders in their chosen field of practice. They follow in the footsteps of some superlative role models.

Change, and growth, has also been the order of the day for the College itself. In the past year the College moved to larger premises in Elk Grove; the Library and Learning Center in particular are being put to very good use by our students. Experienced as well as more recently qualified academics, scientists, and clinical pharmacists have joined our Faculty, and a few are featured in the magazine. Our student numbers have grown, while they continue to be diverse and representative of the community they seek to serve. The student body last year grew ever more ambitious in their outreach work, which included an Aids Awareness event, and a community-wide health fair where the students helped deliver blood pressure screening and blood glucose testing to hundreds of local residents at the Elk Grove Giant Pumpkin Festival.

These outreach activities are just a few of the highlights of the past year's events featured in this fourth issue of *Care in Action*. Our research efforts, including work to increase the participation of Asian American cancer patients in clinical research trials, and an endeavor to examine a possible interaction between milk and formula products with a diuretic commonly used by expectant mothers, are also described. They demonstrate to our varied audience the expertise of Faculty to advance the discipline's knowledge base, while maintaining their role as educators of future pharmacists.

Our larger campus also means we are now able to host meetings with and for many of our partners mentioned throughout the magazine, including the UC Davis Comprehensive Cancer Centre, the California Product Stewardship Council and the American Diabetes Association to name a few.

Elsewhere we describe the growth of our nascent alumni association and detail how we are preparing for the new 2016 ACPE standards.

I very much hope you enjoy reading the publication. I would like to end by thanking everyone who has played a hand in helping the College and the students achieve so much in so short a time.



Karen Hassell, PhD
Dean and Professor

PARTNERSHIP

With Cancer Center Continues to Grow

By Ruth Vinall, PhD

During the past year, student members of the Cancer Awareness, Research, and Education Society at CNUCOP (CNUCARES) have worked alongside clinicians and researchers at UC Davis Comprehensive Cancer Center (UCDCCC) to promote engagement of Asian American cancer patients in clinical research studies. After receiving Internal Review Board and counseling training from UC Davis experts, CNUCARES students helped educate 44 Asian American cancer patients regarding the benefits of biospecimen donation and/or participation in clinical trials.



Ruth Vinall, PhD

It is well known that patients from minority populations are less likely to participate in cancer research studies and donate biospecimens for clinical research. Lack of participation can contribute to cancer health disparities because the data generated by these studies are often used to guide treatment decisions and/or drug development. The study is well aligned with the mission of CNUCARES, which is “to provide culturally and linguistically appropriate healthcare services that focus on preventive care education, cancer awareness, referral for screenings, and social support for underserved communities.” Students have very much enjoyed the opportunity to put their skills to work through this collaboration.

The project was supported by the National Cancer Institute-funded National Center for Reducing Asian American Cancer Health Disparities (AANCART). The \$10,000 subcontract that CNUCARES, and their faculty advisor, Dr. Ruth Vinall, an assistant professor in the Pharmaceutical & Biomedical Science department at CNUCOP, received last year from AANCART has been renewed, allowing CNUCARES students to continue to be engaged in this research effort. It is part of a growing synergism between CNUCOP and UCDCCC.

In May 2014, the two institutions signed a momentous memorandum of understanding (MOU) that explicated the relationship and sharing of resources and projects. The agreement identified mechanisms for CNUCOP faculty to acquire affiliate membership with the UCDCCC and avail themselves of certain resources.

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Faculty Spotlight

Leo Fitzpatrick, PhD

Dr. Leo Fitzpatrick received his B.S. degree in Biology from Mount Saint Mary's College in Emmitsburg, MD and a PhD in Physiology from George Washington University. He began his scientific career by doing a post-doctoral fellowship at the University of Texas Medical School at Houston. Dr. Fitzpatrick was involved in drug discovery and development at three pharmaceutical companies. At Otsuka Pharmaceutical Inc. (Maryland Research Institute), he contributed to the development of Tetomilast, which advanced into phase 3 clinical trials for Inflammatory Bowel Disease (IBD). Subsequently, Dr. Fitzpatrick began a 10-year faculty position at the Penn State College of Medicine in Hershey, PA from 2003-2013. His research collaborations at Penn State resulted in the funding of 15 academic-related grants/contracts. One collaboration contributed to the development of Vidofludimus, a novel anti-inflammatory drug, which has entered phase 2 clinical trials for IBD in Europe. Dr. Fitzpatrick has served on the scientific advisory board for Baxter Health Care and on the editorial board of World Journal of Gastrointestinal Pathophysiology.

Dr. Fitzpatrick's research interests are in IBD, Infectious Colitis and Rheumatoid Arthritis. He has published 50 original research articles, as well as approximately 65 conference-related abstracts. Dr. Fitzpatrick has taught graduate and medical student classes in pharmacology, immunology and GI PBL at the Penn State College of Medicine, as well as classes in pathophysiology and immunology at the California Northstate University College of Pharmacy.

In his spare time, Dr. Fitzpatrick and his wife enjoy discovering the best area lakes for bass fishing and exploring the antique shops in Amador County. Dr. Fitzpatrick shares a lifelong passion for Notre Dame football with his two sons who are currently overseas in the U.S. Navy and Peace Corps.



CNUCARES

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Additionally, faculty from the two institutions are in the midst of seeking extramural funds for several significant projects seeking cancer health equity among vulnerable patient populations.

On October 9th, Drs. Ralph deVere White and Moon Chen gave a presentation to CNUCOP faculty regarding UCDCCC resources and on-going projects that relate to cancer health disparities. This opened discussions as to how further collaborations between

our institutions could benefit underserved members of our local community. These interactions have forged several research project collaborations and even spawned some cross-institutional teaching by faculty of both organizations. Having faculty and students alike participate in interdisciplinary research that collaborates and translates the work of biomedical scientists with clinicians aligns so perfectly with the Mission and Vision of CNUCOP.

By Suzanne Clark, PhD with Quotes from Sonya Frausto, PharmD, MA

The institutional mission of CNU is “To Advance the Art and Science of Healthcare.” The program mission of CNUCOP is “To Advance the Science and Art of Pharmacy.” The CNUCOP Core Values and Goals include “Inspiration of altruism, empathy and civic virtue.” “Student participation in ... community projects to learn skills needed to be an advocate for the profession,” and “Faculty engaged in... community activities.” These missions, values and goals mesh well with those of public health, among whose definitions include “...the science and art of preventing disease, prolonging life and promoting physical health and efficiency through organized community efforts...”



Suzanne Clark, PhD

(Winslow, 1920) through an “organized community effort to address the public interest in health by applying scientific and technical knowledge to prevent disease and promote health” (Institute of Medicine, 1998).

CNUCOP strongly supports public health initiatives, which allow CNUCOP students to directly apply basic science and pharmacy training to community service. Similarly, faculty can translate expertise in teaching, scholarship, and service into benefits for the public’s health. Accordingly, through these aims CNUCOP can advance the science of pharmacy – and employ the art of pharmacy – to serve our communities as discussed below.

Prevention and Community Health Education

CNUCOP is actively involved in immunizing a wide range of individuals, including those who are medically underserved and might not receive vaccines otherwise. Working with Dr. Sonya Frausto and others, CNUCOP Phi Delta Chi PharmD students immunized over 600 individuals in Sacramento and Placer counties. APhA-ASP students, with advisor Dr. Frausto, partner with Sacramento State Pharmacy and CSUS Nursing to provide flu vaccinations for Sacramento State students, with an estimated 1200 vaccines given or anticipated to be given this fall. Dr. Frausto noted that CNUCOP accomplishes these outcomes due to strong relationships with the public health immunization branches. Altogether, CNUCOP student organizations are on track to deliver well over 1800 immunizations during the 2015 fall semester.



Sonya Frausto, PharmD, MA

In addition to immunization events, SNPhA students, working with advisors Drs. Will Ofstad & Xiaodong Feng, participated in a large health fair with the Vietnamese community in October. As discussed elsewhere in this issue (and on the CNUCOP Facebook page), PharmD students, preceptors, administrators and faculty provided health information, blood pressure screening, blood glucose monitoring, drug information, and other services at the Elk Grove Giant Pumpkin Festival, the Sacramento Midtown Farmer’s Market Health Fair, Alzheimer’s Walk, UC Davis Medical School, and in Anti-Smoking campaigns.

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CNU and Public Health

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Environmental Health

The California Product Stewardship Council (CPSC) recently recognized the contribution of Dr. Sonya Frausto to advance CPSC goals, including curbing prescription drug abuse through medication take-back programs and to reduce California waterway contamination due to improperly discarded pharmaceuticals. As Dr. Frausto noted, “Our collaboration with CPSC looks to identify how consumers discard their unused/expired prescription and OTC medications while identifying what healthcare providers discuss with their patients regarding this issue. The information that we have collected confirms that more education needs to be provided to both consumers and patients to protect our environment and community from any misuse/abuse of prescription/OTC medications.” CPSC recently received a Sacramento Area Sustainable Business Program Award for pollution prevention, during which they generously acknowledged their partnership with CNUCOP.

Epidemiology, Public Health Education, and Global Health

This fall marked the retirement of Dr. John Inciardi, PharmD, DSc in Epidemiology, who taught biostatistics and epidemiology at CNUCOP. His long career as a clinical pharmacist, researcher and faculty member at CNUCOP, UC Davis, and UCSF included developing public health programs of state-wide impact in which community pharmacies helped those living with HIV. He also developed programs of international impact, through organizing conferences and workshops in Vietnam and Laos to promote the role of local pharmacists in the prevention and treatment of HIV infections.

Policy and Advocacy for the Profession

CNUCOP collaborated with CSHP, CPhA and other organizations to proactively support the California Pharmacist Provider Status Bill (SB493), which took effect January 2014. In May of 2014, Dr. James Palmieri, Associate Professor of Clinical and Administrative Sciences, authored an article for RxConsult on SB493, which has received over 2600 views. Future policy advocacy topics include US Congressional Bill H.R. 4190 to amend the Social Security Act to allow Medicare Part B services by pharmacists in medically underserved communities. Information about H.R. 4190 is provided on the CNUCOP Facebook page.

CNUCOP is also involved with national organizations promoting public health. American Association of Colleges of Pharmacy (AACP) President Dr. Peggy Piascik chose advocacy as a presidential priority and appointed three workgroups to address major topics, including a workgroup on community engagement. This workgroup was charged with highlighting best practices of community engagement at Colleges/Schools of Pharmacy. Dr. Suzanne Clark participated in the workgroup, sharing data from her interviews of public health pharmacy faculty at Creighton University. The final Advocacy Committee report, “Improving Advocacy Through the Use of Implementation Science Concepts and Frameworks: Report of the 2013-2014 AACP Standing Committee on Advocacy” (Bell, et al., 2014) can be found on the AACP website (www.aacp.org/governance/HOD/Documents/T%20-%20Advocacy%20Report%202014.pdf).

Dr. Clark is working with colleagues of the AACP Public Health Special Interest Group to form an American Public Health Association (APHA) special interest group (SPIG) for pharmacy. Dating from 1872, APHA is the largest group of US public health professionals, yet despite the long history of public health efforts by pharmacists, pharmacy is one of the few healthcare professions without a profession-specific Section or SPIG. Their proposal for SPIG status is scheduled to be reviewed at the APHA Annual Meeting in November.

RESEARCH AT CNUCOP

The Effect of Milk and Formula on Furosemide Absorption

By Eman Atef, PhD

Can commonly administered drinks like milk, formula and Ensure® considerably affect the absorption of drugs from the stomach and intestine to a level that can be harmful to the patient? This is one of the questions that Dr. Eman Atef seeks to answer through her research. Dr. Atef, PhD, joined CNUCOP in November 2013 as an Assistant Professor of Pharmacokinetics and Pharmaceutics in the Department of Pharmaceutical and Biomedical Sciences. Prior to joining our College, Dr. Atef was a faculty member at MCPHS University in Boston for nine years.

The medication that she is currently focusing on is furosemide, whose most widely known brand name is Lasix®. The drug is a diuretic frequently prescribed for both adults and children to treat hypertension and edema. When the drug is administered with milk, formula and Ensure®, it has been observed at different levels in the bloodstream suggesting that its absorption differs in combination with these three liquid nutrients. The latter means that the concentration of the drug in the plasma will be higher or lower than expected depending on the co-administered fluid or food. This type of food interaction warrants careful attention, especially in young patients. Dr. Atef aims to study the effects of these fluids/liquid nutrients on furosemide plasma levels and to identify a method of adjusting the medication dose of this drug in particular and in similar drugs with similar physical and chemical properties.

The results of this study are expected to assist with making adjustments to the dosing of Lasix®, developing a protocol for testing and adjusting the dose of similar drugs with challenging solubility and absorption and identifying the mechanism by which such fluids affect the absorption of furosemide and similar drugs.



Eman Atef, PhD

Dr. Atef has an active research stream in multiple dosage forms. Her research involves several crucial aspects of traditional and innovative drug formulations as well as spectroscopic analysis. She focuses on drugs with low solubility. Lipid formulations, solid dispersions and solid lipid nanoparticles are among the dosage form fields that she studied and published in. Her research also involves controlled drug delivery systems, specifically targeting antibiotics to bone tissues to treat challenging bone infections.

A Culture of Service A Glimpse into the Accomplishments at CNUCOP

By Jessica Sheffler, SBC President; William Ofstad, PharmD; and Ms. Cyndi Porter, SBC Advisors



Jessica Sheffler, SBC President



Cyndi Porter, SBC Advisor

It has been an amazingly successful year for CNUCOP students, fueled by hard work, teamwork, dedication to service and continued support from the college faculty and leadership. Our collaborative culture reflects the way we teach and learn in team-based learning (TBL), the hallmark classroom teaching methodology adopted across the CNUCOP curriculum. Members of our college community work together towards shared goals to facilitate community outreach programs, assembling high performing teams of students, faculty, staff and administration. The Student Organization Leadership Council (SOLC) embodies this vision of collaboration, facilitating regular meetings of student leaders to coordinate outreach across the campus and region. For example, the Student National Pharmaceutical Association (SNPhA) and California Northstate University Cancer Awareness Research and Education Society (CNUCARES) recently teamed up to provide diabetes education, hypertension education and blood pressure testing at the American Diabetes Association Step Out Walk. Additionally, the CNUCOP student chapter of the American Pharmacists Association Academy of Student Pharmacists (APhA-ASP) recruited students from all four classes to participate in a weekly clinic at Sacramento State University, administering hundreds of flu vaccines to college students.

Many of the events hosted by CNUCOP students have been ongoing and improved upon each year. For the third year in a row, SNPhA hosted a health fair at the Sacramento Vietnamese Martyrs Church, targeting an underserved immigrant population. This year, the health fair impacted over 1000 community members with CNUCOP students administering 616 flu shots to families in need. This event was a local triumph in public health, so much so that it was featured on local news stations and in several newspapers.

Public health is just one component in the spectrum of initiatives and outreach carried out by CNUCOP students. The culture of our school encourages philanthropy and emphasizes the value of giving back to our community. The Christian Pharmacy Fellowship International Club (CPFI) collected gifts for Operation Christmas Child that were sent to underprivileged children across the world. Members of Diverse Women in Pharmacy (DWP) sold embroidered white coats to students and donated 100% of their proceeds to My Sister's House, a local organization that supports battered women. The Rho Pi Phi fraternity raised over \$300 to donate to the Leukemia and Lymphoma Society and represented our school at the "Light the Night Walk" for the Leukemia and Lymphoma Society.

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A Path to Preparing FOR THE 2016 ACPE Standards

By Will Ofstad, PharmD; Perri Ann Allen; and Dave Carroll, PharmD



Will Ofstad, PharmD



Perri Ann Allen



Dave Carroll, PharmD

Interprofessional education focuses on learning experiences where students of different health professions learn from, with and about each other to improve collaboration and the quality of care.¹ Creating educational opportunities for learning within interprofessional teams was adopted as a healthcare education best practice by the respective associations of colleges and schools for Nursing, Medicine, Osteopathic Medicine, Pharmacy, Dentistry, and Public Health as documented in the 2011 IPEC Report.² This article explores the recent guidance provided by the American Council for Pharmacy Education (ACPE) for the adoption and continuous assessment of interprofessional education (IPE) in all U.S. schools and colleges of pharmacy, as directed by the ACPE Draft Standards 2016³ released February 3, 2014. Methods for delivery of IPE are introduced primarily from pharmacy-focused IPE literature published in the last five years, categorized below by (1) professions engaged, (2) delivery methods, (3) assessment methods, and (4) lessons learned.

Examples from our own IPE experiences and additional resources are also provided for readers to further explore IPE in preparation for these new educational standards.

A Roadmap to IPE in the Draft ACPE Standards

Faculty and administrators involved with campus and experiential curricular design and assessment recognize the renewed focus from ACPE for all schools and colleges to incorporate IPE as a longitudinal experience throughout the pharmacy curriculum. IPE is mentioned throughout the standards, with Standard 11 dedicated to IPE, focusing on understanding team expectations, education and the clinical practice of an interprofessional team. Standard 3 describes the expectations that the graduate must be able to engage as a healthcare team member demonstrating mutual respect, understanding and values to meet the patient care needs. The IPE focus in Standard 13 (Advance Pharmacy Practice Experience) guides the Experiential Education Program

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Interprofessional Education

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Administrator, mandating the student to gain in-depth experience in delivering patient care and later emphasizing the need for interprofessional team-based delivery of care to a variety of patient populations. The principle section for the Experiential Education Program Administrator of the Draft Standards 2016 resides in Appendix 3. Here the Standards describe the expectations for face-to-face collaboration, which must be documented. The quality assurance process must include meaningful IPE engagement and provide exposure to high quality interprofessional team-based care. The expectations for pharmacy students engaging in IPE during their APPE year include collaborative patient care decision making, working face-to-face with the IPE team, and communicating the appropriateness of a patient's specific pharmacotherapeutics care.

Experiential Education Program Administrators could consider multiple steps in achieving these goals. Initially, an assessment of current IPE practices at each practice site might be warranted. Working with preceptors to establish the need for the formalization of IPE at that practice site could yield recognition and buy-in from pharmacy administrators and preceptors as well as those interprofessional practitioners. Developing and coaching the preceptors in all allied professions helps to achieve best results. Finally, an essential part of this process is the development of a rubric driven assessment tool for the preceptors to document student learning.

Published Methods and Assessment

1. Professions Engaged

The World Health Organization (WHO) reported international survey data from 2008 analyzing which professions engaged in IPE.⁴ Just as practicing pharmacists interact with a large diversity of health professions,

pharmacy schools have partnered with a broad range of disciplines to deliver IPE. Published reports include IPE between pharmacy and medicine (including osteopathy), nursing, physician assistants, physical therapy, veterinary medicine, podiatry, clinical psychology, dentistry, nutrition, occupational therapy, physical therapy, couple and family therapy, optometry, audiology, speech therapy, dental hygienist, dietitian/nutritionist, home health aids, ophthalmology, and pharmacy technicians.⁵⁻⁹ Many of these professions now share a similar accreditation mandate to engage their students in IPE, creating many new opportunities for partnerships. For programs looking to explore IPE partnerships, do not neglect the new ACPE requirement that a portion of the IPE curriculum must include prescribers or prescribers in training.³

2. Delivery Methods

A variety of learning activities and teaching methods have been employed to deliver IPE. Active learning techniques and team learning strategies are encouraged by the Interprofessional Education Collaborative (IPEC) to ensure students are learning from, with and about each other. Simply being taught in the same classroom with other disciplines or by a faculty member from another profession is by itself insufficient to be considered IPE. A one-time IPE pilot is insufficient and literature suggests limited educational value. Instead IPE

programs should be woven through

the curriculum engaging all students in the

program. As one

example, South

Carolina College

of Pharmacy

has created nine

IPE experiences

embedded into

a semester long

course: Code Blue

Simulation, SBAR

(2 instances,

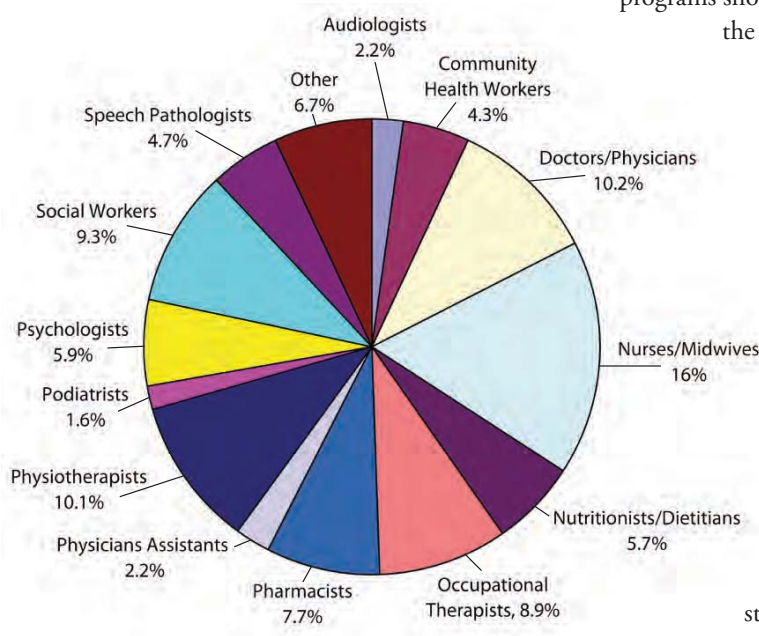
standardized

colleagues),

Inpatient Rounds

(2 instances,

standardized colleagues),



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Interprofessional Education

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Team STEPPS Workshop, Simulated Interprofessional Rounding (2 instances) and Geriatric Medication Assessment (home visits and longitudinal care).¹⁰

Common IPE delivery modalities include small group case discussion, simulation and interdisciplinary rounds during the IPPE or APPE experiential curriculum.⁵ Although all students must engage in IPE, some experiences may be voluntary while others mandatory.⁵⁻⁷ Additional IPE delivery examples include longitudinal clinical care projects⁵, clinical competitions⁷, online module learning and asynchronous blogging by team members⁵ and team objective structured clinical examination (TOSCE)⁵. For longitudinal IPE experiences, team-focused pedagogies including team-based learning (TBL) and problem-based learning (PBL) have both been adapted to IPE. Our model at California Northstate University integrates TBL and simulation to deliver engaging high-level learning experiences longitudinally to interdisciplinary teams. This model was recognized as an AACP noteworthy practice.¹¹

3. Assessment Methods

Outcomes for IPE should be guided by the ACPE standards, CAPE Outcomes and IPEC Report and adapted to the institution and community. The Kirkpatrick Evaluation Model will be used here to frame example assessments that could be considered. Kirkpatrick can be used to categorize outcomes and assessments into:¹²

1. Reaction (student satisfaction and perceived value of training)
2. Learning (student development of knowledge, skills, abilities)
3. Behavior (transfer of the learning to the practice or other settings)
4. Results (the impact on individual patients, healthcare settings, population, and community health)

Reaction	Behavior
<ul style="list-style-type: none"> ❖ Faculty and participant attitude surveys (baseline, exit, delayed after graduation)⁷ ❖ Readiness for Interprofessional Learning Scale (RIPLS)⁸ ❖ Interprofessional Attitudes Questionnaire (IAQ) ❖ Interdisciplinary Education Perception Scale (IEPS) ❖ Self-assessment and reflection papers 	<ul style="list-style-type: none"> ❖ Assessment of graduates 5 to 10 years after graduation collected through Jefferson Longitudinal Survey⁵ ❖ Use of IPE knowledge, skills, and attitudes taught early in the didactic curriculum later in APPEs (e.g. SBAR) ❖ Measurement of interprofessional team skills and communication in practice
Learning	Results
<ul style="list-style-type: none"> ❖ Summative competency-based knowledge quizzes ❖ Evaluations by faculty and standardized patients ❖ IPE facilitation skills assessment tool: IPFS¹³ 	<ul style="list-style-type: none"> ❖ Outcomes from care-focused team projects⁵ ❖ Changes in care quality, cost, errors over time

4. Lessons Learned

Findings from the literature search for IPE reveal a number of key lessons to approaching IPE delivery and assessment. IPE requires support from the institutional senior administration, curricular mapping, budget and faculty participation. Detailed, uniform outcomes are

needed to improve measurement and ability to draw conclusions about preferred educational strategies and best practices.⁹ Most literature supports IPE learning outcomes based on the IPEC competency domains. Three common themes for developing a successful

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STAFF SPOTLIGHT

JoAnne Hansana

Ms. JoAnne Hansana joined CNUCOP as the Financial Aid Administrator on April 7, 2014. Under the general supervision of the Director of Financial Aid, JoAnne performs a variety of routine technical and general office support duties. JoAnne meets and communicates with current students, prospective students, parents and the campus community to guide and help them through the financial aid application process. She is also responsible for tracking all financial aid documents, checking students' eligibilities and certifying private student loans.



JoAnne received her Bachelor of Science Degree in HealthCare Management from San Jose State University. She started her Financial Aid career as a Federal College Workstudy at West Valley College in Saratoga, California. After graduating from San Jose State University, she went back to the Financial Aid field instead of pursuing a career in Healthcare. JoAnne joined Master Institute of Technology in San Jose, California and later she joined Heald College, Bryman College, Brooks College, Northern California College of Construction, and IADT-Sacramento.

JoAnne brings over 18 years of financial aid experience working within higher education. She enjoys assisting students in finding resources to help fund their education and seeing students achieve their dreams.

Originally from Thailand, JoAnne grew up in San Jose, California. She recently relocated to the central valley where she enjoys the sunshine and the Delta breeze. JoAnne likes hiking, going to the movies, sightseeing and spending time with her 12-year-old son David.

STAFF SPOTLIGHT

Natalie Vachalek

Born in Omaha, Nebraska, Natalie Vachalek lived in Missouri until she moved to Los Angeles, California in 1996. Her sports activities included four years of volleyball and track-and-field. Following high school, she moved to Sacramento where she attended California State University, Sacramento (CSUS).

Natalie was a member of the Delta Gamma Fraternity at CSUS. She held several offices including Director of E-Communications and Junior Honor Board Member. She was active in the philanthropy aspect of the sorority, helping to raise funds for the Society for the Blind. Natalie graduated from CSUS in 2013 with a Bachelor of Science degree in Health Care Administration.

Natalie joined the CNU team in November of 2013 as the President's Executive Administrative Assistant. She enjoys every day because she gets to learn more and more about the health care system in higher education. Sometime in the near future she plans to go back and get her Masters in Public Health. One of the most important things Natalie has learned is that if you want to succeed in your career you can't let anything stop you. You need to keep learning and striving to be the best that you can be.

Natalie has traveled to multiple places around the world: Germany, England, Belgium, Japan, the Caribbean Islands and Mexico. She plans to visit Chile, Brazil, and many other European countries, especially Spain.

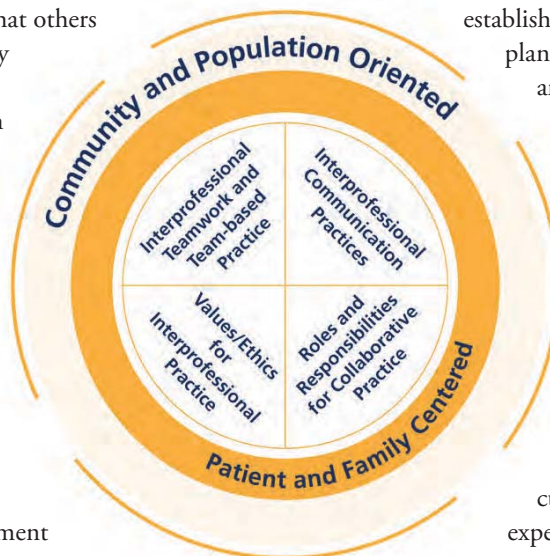
During her free time, Natalie is very active in athletics and is on an adult recreational kickball team. She enjoys being a spectator at professional sporting events, cooking and spending time with friends. Natalie also has a little-known secret: she has a hobby of collecting coins.



Interprofessional Education

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experience include: (1) helping students understand their own professional identity and the roles of the various members of the other professions,¹⁴ (2) respect and appreciation for the value that others bring to the team and (3) faculty buy-in provides commitment from the facilitating team which drives a variety of potential activities, curricular mapping, mentorship and guidance.¹³ A common barrier to IPE delivery is lack of facilitator training; facilitator training is directly proportional to meeting student learning outcomes for the IPE experience.¹³ Recent literature suggests that 90% of pharmacy schools have no faculty development program for IPE.¹⁵ Community relationships are important for providing valuable IPE opportunities.¹⁴



In our case, CNU invested in an institutional membership for the Team-Based Learning Collaborative (TBLC) and California Simulation Alliance, established a multidisciplinary IPE planning committee with internal and external constituents, sent key faculty to the IPEC national conference for training and developed memorandums of understanding outlining IPE planning and resource commitments with regional partners. Our program has adopted the IPEC outcomes and continues to work to develop a larger pool of IPE faculty and diversify our curriculum with new IPE learning experiences.

The authors welcome comments, questions and suggestions at wofstad@cnsu.edu.

Select Online Resources:

Resource	Annotation
IPEC Portal	https://ipecollaborative.org
AACP IPE Resources	www.aacp.org/resources/education/Pages/IPEC.aspx
Nexus Measurement Instruments	https://nexusipec.org/measurement-instruments
Clarion IPE Case Competition	www.uky.edu/ciherp/ipecp-activities/courses-workshops/clarion-interprofessional-case-competition
Macy Foundation IPE Grants	macyfoundation.org/grantees/c/interprofessional-education-and-teamwork
APTA IPE Resources	www.apta.org/Educators/Curriculum/Interprofessional

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ALUMNUS SPOTLIGHT

Tuan La, PharmD



Dr. Tuan La grew up in Orange County and graduated from the University of California in Irvine with a B.S. in Biology. He has worked in numerous healthcare settings, including a microbiology lab, Rite Aid, CVS and a psychiatric hospital; however, most of his working life was spent as a supervisor for Global Road Sealing & Road Construction. He recently left the road construction industry and now serves as the Pharmacist-In-Charge at Global Express Pharmacy.

Dr. La recently opened *Global Express Pharmacy*, an independent pharmacy in his hometown of Garden Grove, California and aims to deliver care to patients in a fast, friendly and reliable manner. His goal is to empower patients to better understand the medications they consume and to take better control of their own health. Because of Dr. Frausto and Dr. Lloy's inspiration while at CNUCOP, Dr. La places a strong emphasis on MTM (Medication Therapy Management), which empowers patients to manage their conditions and drug therapy in order to maximize healthcare.

While at CNUCOP, Dr. La was involved in numerous organizations and activities. His most notable role was founding the ATP (Affiliated Through Pharmacy) cultural club and Rho Pi Phi fraternity. He graduated from CNUCOP in 2013 with Magna Cum Laude honors and is a member of the Rho Chi Honor Society, Chapter Delta Upsilon.

Dr. La currently serves as a volunteer Confirmation 2 teacher at Blessed Sacrament Church in Westminster, California, where he prepares high school students to receive the Sacrament of Confirmation in the Catholic Church. He spends his free time as an assistant coach for the Westminster High School badminton team where he won a state title in 2003 for Boys Doubles. Other time off is spent playing with his numerous nieces and nephews ages one through 12. Any remaining time is spent frolicking with his two lovely blue-eyed huskies, Saya and Tipsie.

Dr. La's proudest achievements are his National Under 22 Doubles Championship and most importantly, his beautiful family.

Interprofessional Education

Continued from page 12

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CNUCOP 2014 COMMUNITY Health

Building T

Health Fair Serves the Giant Pumpkin Festival

What goes better with corn dogs and pumpkin pie than a healthy dose of chronic disease screening and healthy lifestyle education? The “synergy” of these elements served as the setting for a brigade of CNUCOP volunteers who provided two days of free health services on October 4-5 at the Great Pumpkin Festival in Elk Grove Regional Park. The Elk Grove community, including Mayor Gary Davis, the Parks and Recreation Department and the families and new friends who stopped by our booths, all welcomed us with open arms.

In keeping with our College Vision to improve the health of Californians, the CNUCOP Health Fair is a campus-wide, student-led health outreach event with a tradition of serving the health needs of greater Sacramento. With our campus move to Elk Grove, a new venue and new partnerships were created. The Student Body Council (SBC), in collaboration with Student Affairs and the City of Elk Grove, selected the Great Pumpkin Festival as our 2014 venue. It was easy as [pumpkin] pie to find a large, able band of CNUCOP students, faculty,



h Fair

raditions

By Jessica Sheffler,
President, Student Body
Council

William Ofstad,
PharmD,
SBC Advisor

alumni and preceptors to participate. Special thanks to Imani Grant and Cyndi Porter for their exceptional efforts to support and promote this event, from planning to execution and assessment.

With such a wonderful CNUCOP volunteer turnout, this October event also helped to promote American Pharmacists Month. This was CNUCOP's first school-wide health fair hosted off-campus since moving southward, thus helping us plant roots in Elk Grove and demonstrating

our eagerness to contribute to this community and to south Sacramento. Pharmacy volunteers staffed seven booths that formed the newly designated "Community Health" section of the festival, and attendees found a little shade in the hot sun under our tents while they accessed free health screenings, received health education and were given the opportunity to ask one-on-one questions.

In preparation, all 15 of our CNUCOP student organizations collaborated to

develop health education materials and preventive care interventions for use at the booths. The weeks leading up to the Festival were spent working in teams, problem-solving, planning outreach and developing posters and handouts to be presented during the event. The Health Fair represented a culmination of hard work and enthusiasm, with contributions made from across CNUCOP constituencies. In addition to the great turnout, service outcomes included blood glucose testing to over 150 members

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Health Fair

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of the community and hundreds of blood pressure measurements with follow-up education provided on hypertension and diabetes prevention and management.

An additional benefit of the health fair was the attention paid by the community and our partners to our new Elk Grove campus. Our presence at the Giant Pumpkin Festival helped CNUCOP gain visibility with over 40,000 members of the local community through promotional materials, advertisements and direct interactions over the two-day event. Booths were well stocked with free reusable bags, medication boxes and pens – all with the CNUCOP logo. While many of us felt a bit wistful not having the “traditional” October health fair on campus, it became obvious very quickly that collaborating with the City of Elk Grove through this

new partnership allowed us to serve many more patients, generate much more enthusiasm about our program in the neighborhood and elicit many more partners.



The opportunity to reach out to the community and provide educational support, counseling, and preventive care is fundamental to the education and ultimately the success of our students. Our school is unique in that our team-based learning curriculum fosters collaborative education and requires cooperation between students. An excellent education grounded in team-based learning has given our students the tools they need to work together, which translates directly into successful, high-

impact events like the CNUCOP Health Fair. Through these traditions we continue to advance the science and art of pharmacy.



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RESIDENT SPOTLIGHT

Marisa Bauer, PharmD



Dr. Marisa Bauer is a current PGY-1 Pharmacy Practice Resident for California Northstate University/Sutter Medical Center Sacramento. Dr. Bauer is originally from the Sacramento area and completed her Bachelor of Arts in Biochemistry at California State University, Sacramento in 2007. Dr. Bauer previously worked as a pharmacy technician before transitioning to an intern pharmacist at Mercy San Juan Medical Center in Carmichael upon returning to school. She completed her Doctor of Pharmacy and graduated Cum Laude from California Northstate University College of Pharmacy in 2014. She is a member of the Rho Chi Honor Society, CSHP, ASHP and Rho Pi Phi Pharmaceutical Fraternity.

With her background of inpatient pharmacy practice, Dr. Bauer hopes to pursue a career in an acute care setting, specifically in the intensive care unit (ICU) or infectious disease. She looks forward to opportunities to teach in the classroom as well as precept in clinical practice during her residency year and throughout her career.

When not busy with her pharmacy career, Dr. Bauer enjoys spending time with her husband and daughter, as well as relaxing at family gatherings. Her daughter recently started kindergarten and looks forward to also becoming a pharmacist. During the summer, Dr. Bauer goes to as many Giants games as she can with her husband.

Health Fair

Continued from page 16

Student organizations and services provided at the 2014 Health Fair

- ❖ Academy of Managed Care Pharmacy (AMCP) – **Affordable Care Act Education**
- ❖ American Pharmacists Association (APhA) – **Blood Pressure Screenings and Education**
- ❖ American Society of Consultant Pharmacists (ASCP)/ Multicultural Association of Pharmacy Students (MAPS) – **Blood Pressure Screening/ Medication Awareness for Senior Patients**
- ❖ Christian Pharmacists Fellowship International (CPFI) – **Poison Prevention Education**
- ❖ California Pharmacists Association – **Smoking Cessation Education**
- ❖ California Northstate University Cancer Research Awareness and Education Society (CNUCARES) – **Smoking Cessation Education**
- ❖ Diverse Women in Pharmacy - Sacramento Chapter (DWP-SC) – **Folic Acid Education**
- ❖ Kappa Psi – **Healthy Living: Your Body, Your Health**
- ❖ National Community Pharmacists Association (NCPA) – **Medication Take Back**
- ❖ Phi Delta Chi – **Immunizations: FACT vs. MYTH**
- ❖ Ro Pi Phi – **Over The Counter (OTC): Allergies & Cold Medications**
- ❖ Student College of Clinical Pharmacy (SCCP) – **Diabetes Screenings and Education**
- ❖ Student National Pharmaceutical Association (SNPhA) – **Chronic Kidney Disease Education**
- ❖ Student Society of Health System Pharmacists – Script Your Future (SSHP-SYF) – **Medication Adherence & Asthma Education**



Our New Library Learning Center



Designed to Complement CNUCOP's Teaching and Student Study Strategies

By Scott Minor

Students are literally writing on the walls of the new Library and Learning Center (LLC), and we could not be more pleased! With the move to Elk Grove there have been many enhancements to the LLC. The Library has expanded the amount and style of seating available for students. In addition to providing over a dozen carrels for individual seating, there are an additional six individual workspaces with computers linked to a printer/photocopier (with another machine expected to arrive shortly). With space for over one hundred, seating is a mixture of comfortable and functional seating types.

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Our New Library Learning Center

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The LLC is configured to comport with our team-based learning (TBL) pedagogy and students' contemporary methods of study and learning. The LLC features several partitioned spaces for groups to work together. These spaces include furniture, whiteboards and writing implements. The cooperative spaces range from two-person areas to tables that accommodate upwards of six to seven students.

There is also a small conference room within the LLC. This space has sliding glass doors and large windows with a view of the inside and outside surrounding areas. The conference room contains a couch, four tables and seating for up to sixteen. The conference room is multi-purpose, with particular design to accommodate any number of meetings or functions by student organizations, although not for their exclusive use.

When the LLC was designed, much thought went into flexibility and ease of use. The furniture is light and mobile, and it is anticipated that students may "redesign" the layout by shifting chairs and tables to where they may be used best. However, the feature getting the most positive feedback from students is the partition system

that divides the group spaces. The dividing walls are made of several individual panels, most of which are functional whiteboards. With dry-erase markers provided by the Library, students are creating their own public notebooks for their classmates to use, most of which are still on display.

The feedback from students has been momentarily positive. Along with an accompanying large conference room, CNUCOP is now hosting a greater number of events and allowing free usage to several of our many partners, including the Northern California chapter of the American Diabetes Association; Script Your Future; University of California, Davis Comprehensive Cancer Center; preceptors; health systems; local and state pharmacy associations and others. Entry to the large conference room is through our LLC. As such, these partners are getting to see the cutting-edge facilities, teaching and learning methods employed at CNUCOP. What a win-win!

Please come by the Library and Learning Center sometime and see for yourself. We would love to have you visit us!



CNUCOP's Alumni Association

By Erica Willet and Greg Matzen, PharmD, JD

BEFORE THE INAUGURAL CLASS OF CNUCOP WAS READY TO GRADUATE IN 2012, they wanted an organization to allow alumni to stay connected to each other and their alma mater. Students wanted to remain in touch with their classmates and to keep up-to-date with what was happening around their campus community. With the assistance of the Alumni Development Department, a plan was drawn up to form the first alumni association. They wanted to give back to the school that had come to mean so much to them.

In 2013, Raynold Yin '13 became the first president of the alumni association, along with Payal Patel '13 as the vice president and Rebekah Seale '12 as secretary. In 2014, the Association welcomed three new board members to serve on the alumni board: Jimmy Munteanu '14, Kiran Biring '14, and Silva Petrosyan '14. Together they would become identified as the CNUCOP Alumni Association Board of Directors.

In its few short years, the CNUCOP Alumni Association has held unwavering devotion to its mission: "To connect, celebrate, and engage alumni to build lifelong relationships with friends, faculty and students of the University." The first alumni newsletter, *Alumni Pharmacy e-Newsletter*, appeared in Fall 2013. Produced by the Alumni Development Department and the Alumni Association, the quarterly newsletter features important news about alumni, the current student body awards and the College of Pharmacy community and social events.

What does the future hold for the CNUCOP Alumni Association? As the association continues to grow and flourish, they plan to increase membership by 10 percent each year. Of all the great benefits to members of the association, the most valuable is the opportunity for alumni to stay connected with the college and other alumni. The association plans to create alumni chapters in the Bay Area, Northern and Southern California. Additionally, the Board is in the process of creating a 501(c)(3) tax deductible foundation under the alumni association to fund community endeavors and projects, such as awarding scholarships and community research projects promoting the pharmacy profession. As CNUCOP continues to make great strides, so does the College of Pharmacy Alumni Association. No matter how you look at it, the future looks bright!



Erica Willet



Greg Matzen, PharmD, JD

PRECEPTOR SPOTLIGHT

Gurwinder Heer, PharmD

Dr. Gurwinder Heer is currently the Pharmacy Director at Feather River Tribal Health (FRTTH). Her passion for pharmacy started when she was completing her undergraduate degree at University of California, Santa Cruz. During one of the summer breaks, she decided to study independently for the California Pharmacy Technician Board Exam. Upon passing the exam, she started to work at Walgreens in Santa Cruz as a pharmacy cashier and was soon promoted to a pharmacy technician position.

Upon completion of her Bachelor's in Biology from UCSC, she began attending CNUCOP to pursue her dream career. While in pharmacy school, Dr. Heer continued to work at Walgreens as a pharmacy intern.

It was certainly a proud moment for the entire Heer family to see her graduate with a Doctor of Pharmacy degree.

Upon receiving her license to practice as a pharmacist, Dr. Heer started to work full time at Walgreens and also worked per-diem at Sutter Surgical Hospital, Yuba City. In April 2014 a great opportunity became available at Feather River Tribal Health. She was contacted by her old preceptor at FRTTH, who recommended her for the Director of Pharmacy position at FRTTH. Dr. Heer gladly took this opportunity and loves this job. She is now precepting students from CNUCOP and Touro University. She enjoys teaching the students and learning from them.

Dr. Heer's goal is to become a Board Certified Pharmacotherapy Specialist in Ambulatory Care pharmacy practice. She is passionate about advancing the practice of pharmacy and carrying the profession forward.

Dr. Heer enjoys spending time with her family and loves playing with her one-year old nephew, Mayher.



A Culture of Service

Continued from page 7

Adding to the already ambitious calendar that CNUCOP boasts, students actively engage in chapter competitions at the regional and national levels. At the 2014 SNPhA National Conference, the CNUCOP chapter received the Chapter of the Year Award and the Chauncey I. Cooper Chapter of Excellence Award for a Mid-Sized Chapter. CNUCOP students also received first place for the Project Think Outside the Box campaign, won several personal scholarships and won the national Clinical Skills Competition. At the 2014 California Pharmacists Association (CPhA) West Coast Pharmacy Exchange, CNUCOP won the Quiz Bowl Competition, and CNUCOP students placed in the top 9 nationally for the ACCP Clinical Skills Competition. Our Phi Delta Chi (PDC) chapter received recognition with the Dale W. Doerr Achievement Award, placed second in the

Professional & Service Projects Award, was awarded the PLEI REEL to REAL Video Competition Scholarship, and placed 6th in the Emory W. Thurston Grand President Award. Dr. Sonya Frausto was recognized with the PDC Outstanding Chapter Advisor Award.

Connecting the skills learned through team-based learning with the passion for patient care, CNUCOP students foster a culture of philanthropy and hard work, challenging our peers to set a high bar as pharmacist providers. The list of accomplishments in and out of the classroom by CNUCOP students is nearly endless and there are ongoing projects and accomplishments to be shared throughout the year. The roles that students play in the community now serve to fine-tune their careers as high impact health care providers committed to a culture of service.

January 2014 -
April 2015

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Frausto S, Shima E. \$2,000 grant from Target for “Celebrando,” the Hispanic Health and Wellness Fair, Southside Park, Sacramento, California, Sunday, October 12, 2014.

Gupta V, Bhutada N, Frausto S. Received \$8,329 grant from National Consumers League for a “Script Your Future” research project from June - December 2014, for all patients nationwide to increase awareness of the importance of medication adherence, June 2, 2014.

Ofstad W, Vinall R. Received \$2,700 grant funded by Team-based Learning Collaborative (TBLC) to fund the 2014 study of the impact of grading readiness in team-based learning, March 15, 2013.

Vinall R. Principal Investigator (PI) for renewed subcontract with UC Davis for \$10,000 from National Cancer Institute for “AANCART: The National Center for Reducing Asian American Cancer Health Disparities.”

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Frausto S, Lowe R, Viswesh V. Adapting our communication for the generation. *California Pharmacist Journal*. Summer 2014.

Gupta V, Kogut SJ, Thompson S. Evaluation of differences in percentage of international normalized ratios in range between pharmacist-led and physician-led anticoagulation management services. *Journal of Pharmacy Practice*. 2013 Dec 30. [Epub ahead of print.]

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Faculty & Staff Accomplishments

Continued from page 22

Zaiei Z, Schafheutle EI, **Hassell K**. "What happened to me couldn't happen to an English pharmacist: Reasons for migration, experiences of work and future intentions of European pharmacists in Great Britain." *International Journal of Pharmacy Practice*, (in press)

Zaiei Z, Schafheutle EI, **Hassell K**. Communicative proficiency of internationally trained pharmacists and its relevance to patient safety. *Research in Social and Administrative Pharmacy*, 2014; Published online October 2014: <http://dx.doi.org/10.1016/j.sapharm.2014.09.001>.

Johnson SI, O'Connor E M, Jacobs S, **Hassell K**, Ashcroft D M. The relationships among work stress, strain and self-reported errors in UK community pharmacy. *Research in Social and Administrative Pharmacy*, 2014;10,6: 885-895.

Jacobs S, **Hassell K**, Ashcroft D, Johnson S, O'Connor E. Workplace stress in community pharmacy in England: associations with individual, organizational and job characteristics. *Journal of Health Services Research and Policy*, 19; 1: 2014: 27-33.

Vadlapatla R, **Kaur S**, Zhao Y. Evaluation of student perceptions of concept mapping activity in a didactic pharmaceuticals course. *Currents in Pharmacy Teaching & Learning*. 2014. 6;4:543-549.

Khansari P. An innovative approach to enhance learning and teaching by incorporating team exams into team-based-learning. *American Journal of Pharmaceutical Education*. 2014;78. Article 111.

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Porter-Fraser C. Improving practitioner communication in the 21st Century. *California Pharmacist Journal*, Summer 2014.

Mooso BA, **Vinall RL**, Mudryj M, Yap SA, deVere White RW, and Ghosh P. The role of EGFR family inhibitors in muscle-invasive bladder cancer: A review of clinical data and molecular evidence *J Urol*. 2014 5347(14)04269-4. [Epub ahead of print.]

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Poster and Podium Presentations

Altuwaijri N, Migliore M, **Atef E**. Studying the effect of penetration enhancers on the rat skin using Raman Spectroscopy. American Association of Pharmaceutical Scientists Annual Exposition, San Diego, California, November 11, 2014.

Albenayan W, **Atef E**. Novel cefepime solid lipid nanoparticles formulations for improved intestinal absorption. American Association of Pharmaceutical Scientists Annual Exposition, San Diego, California, November 11, 2014.

Alton G, Ravula SB, Borsan C, Small J, Lingardo L, Bouzida D, **Fitzpatrick LR**, Piedrafita FJ, Zapf J. ROR γ t inverse agonists for the treatment of inflammatory bowel disease. Keystone Symposia Conference, Vancouver, British Columbia, Canada, January 19, 2014.

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Faculty & Staff Accomplishments

Continued from page 23

Bradley F, Fegan T, Elvey R, Halsall D, Hann M, **Hassell K**, Jacobs S, Schafheutle E, Wagner A. Organizational factors associated with variation in dispensing and medicine use review (MUR) activity in a sample of English community pharmacies. Health Services Research & Pharmacy Practice conference, Belfast, Northern Ireland, UK, April 2015.

Bradley F, Elvey R, Fegan T, Halsall D, Jacobs S, Hann M, **Hassell K**, Schafheutle E, Wagner A. Engaging the community pharmacy sector in research: Lessons learned from a national study of clinical productivity. Health Services Research & Pharmacy Practice conference, Belfast, Northern Ireland, UK, April 2015.

Fagan C, **Hassell K**, Seston L, Teasdale N. Women's under-representation in the university sector: an exploration of the gendered nature of scientific leadership. The Fairness at Work Research Centre 2nd International Conference. Manchester, UK. September 2014.

Marques I, Willis S, **Hassell K**. Community pharmacists' perceptions of workload in England: The influence of organizational support. Health Services Research & Pharmacy Practice conference, Aberdeen, Scotland, UK, April 2014.

Magola E, Ferguson J, Willis SC, **Hassell K**. Experiential learning in the development of early career community pharmacists as safe practitioners: the role of individual and social context. Health Services Research & Pharmacy Practice conference, Aberdeen, Scotland, UK, April 2014.

Ferguson J, Willis SC, Magola E, **Hassell K**. What does Q methodology tell us about newly qualified community pharmacists' experiences of learning safe practice? Health Services Research & Pharmacy Practice conference, Aberdeen, Scotland, UK, April 2014.

Hassell K, Schafheutle EI. Unsupported and over stretched pharmacists: is there a role for the regulator? Professional Standards Authority Conference: Improving Regulation in Health and Social Care: Interdisciplinary insights. Windsor, UK, March 2014.

Schafheutle EI, **Hassell K**, Noyce PR. Utility of appraisals in revalidation: Evidence from pharmacy with relevance across professions. Professional Standards Authority conference: Improving Regulation in Health and Social Care: Interdisciplinary insights. Windsor, UK, March 2014.

Khansari P, McClendon K, Ho T. Assessing and documenting student learning. AACP Annual Conference, Grapevine, Texas, July 26-30, 2014.

Nguyen D, Nguyen T, Dang J, Palmieri J, Feng X, Kaur S, Chen M, Vinall R. Engagement of pharmacy students in outreach activities that help address cancer health disparities. UC Davis Cancer Center Annual Meeting, Sacramento, CA, 2014.

Ofstad W. Optimizing team building in TBL: Days 1 through 100. Abstract and Poster Presentation, AACP Annual Meeting, Grapevine, Texas, July 26-30, 2014.

Ofstad W, Frausto S, Lowe R. Development of a team contact for team-based learning. Abstract and Poster Presentation, TBLC Annual Conference, Fort Worth, Texas, March 6-8, 2014.

Pauli M. Addressing residents' behavioral health issues: Current challenges, California Assisted Living Association State Conference, Santa Clara, California, June 2-4, 2014.

Steele T, **Phan K**, Ghosh R, deVere White R, **Vinall R**. The Bcl-2 homology domain-3 mimetic, Obatoclax, chemosensitizes muscle invasive bladder cancer cell lines to cisplatin treatment. American Association for Cancer Research Annual Meeting, San Diego, California, 2014.

Porter-Fraser C. Hoffman J, Colbert J. Understanding oneself to lead well and inspire others. CAPSLEAD Conference, San Francisco, California, March 1-2, 2014.

Vinall R, Chen M, Dang J, Feng X, Porter C, Nguyen D, Palmieri JA. Collaboration between pharmacy students and an NCI-designated Comprehensive Cancer Center to address cancer health disparities. AACP Annual Meeting, Grapevine, Texas, July 26-29, 2014.

Siddiqui S, Melgoza F, Durbin-Johnson B, **Vinall R**, and Ghosh P. Nuclear expression of the E3 ubiquitin ligase Nrdp1 is significantly higher in African American men compared to European American men with localized prostate cancer. UC Davis Cancer Center Annual Meeting 2014, Sacramento, California.

Woldemariam TZ, Choi SE, Dean C, Tabib Z. Evaluation of anti-tumour activity of rosmarinic acid. Student National Pharmaceutical Association Annual Meeting, Arlington, Virginia, July 18-21, 2014.

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Faculty & Staff Accomplishments

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Awards, Certificates and Other Recognition

Bhutada N.

- ❖ Reviewer for conference papers submitted to Marketing and Public Policy Conference.
- ❖ Reviewer for the journal, *Therapeutic Innovation & Regulatory Science*.
- ❖ Received the 2014 Research Fellowship Award (\$2500) from the American Academy of Advertising (AAA) for his proposal, "Influence of Endorser Testimonials in Print DTC Prescription Drug Advertising: An Elaboration Likelihood Model Approach."
- ❖ The above-mentioned peer-reviewed article on Endorser testimonials was cited in the *Wall Street Journal's Pharmalot Blog* by Author Ed Silverman, August 26, 2014.
- ❖ Journal Reviewer: *International Journal of Advertising*
- ❖ Conference Paper reviewer: Marketing and Public Policy Conference 2014

Bouw J.

- ❖ Received CNUCOP's Faculty Service Award for 2014.
- ❖ Selected by P4 Students as Faculty of the Year 2014.

Bouw J, Lowe R, Ofstad W. A Bridge to Quality: The Pharmacist-Managed Primary Care Clinic. "Innovative Practice Spotlight," *ACCP Newsletter*, April 2014 Issue.

CNUCOP and Script Your Future (a campaign of the National Consumers League) are collaborators in a research project for Summer 2014 as mentioned in SYF's *Committed Partners Update* newsletter, June 2014 issue.

Feng, X. Selected by COP Faculty as Faculty Research and Scholarship of the Year for 2014.

Frausto S.

- ❖ Won the honor of being 1 of 4 delegates to represent our state association from 2014 to 2017 at the American Pharmacists Association's (AphA) annual meetings. California Pharmacists Association (CPhA) Annual Meeting (Exchange), Anaheim, California, Thursday, April 24, 2014.

- ❖ Elected as California delegate to the APhA Annual Meeting for 2015-2018.
- ❖ "Don't Rush to Flush" Kickoff Press Event – California Product Stewardship Council. Rancho Cordova Police and Sacramento County Sheriff's Department - East Division, Sacramento, California. Friday, September 26, 2014.
- ❖ Roundtable Facilitator, Patient Safety Education, Tuesday, July 29, 2014 from 10:00 to 11:00 AM.
- ❖ Co-author of EPIC (Educating Pharmacists in Quality), a new program launched by the Pharmacy Quality Alliance (PQA), August 2014.
- ❖ Member of the Task Force on Effective Consortia.
- ❖ Member of the Task Force on Pharmacy Informatics.
- ❖ Won the Outstanding Chapter Advisor Award for the Phi Delta Chi-Gamma Iota Chapter at the annual Phi Delta Chi Leadership Development Seminar in Tampa, Florida, July 2014.
- ❖ Selected as Learning Coordinator for CPhA's Leader Development Institute, effective January 27, 2015.

Hassell K. Pharmaceutical Scientist (Team) of the Year Award, Royal Pharmaceutical Society of Great Britain. Team award in recognition of the work the Pharmaceutical Sciences Expert Advisory Panel in developing the "New Medicines, Better Medicines, Better Use of Medicines" guide. UK.

Khansari P. Promoted from Assistant to Associate Professor, effective July 1, 2014.

Khansari P, McClendon K, Ho T. 2014 AACP Assessment Award.

Ofstad W.

- ❖ Earned TBL Consultant Certification in 2014 from the Team-Based Learning Collaborative (TBLC). TBL Consultants serve to help new programs develop course and instructional materials, design faculty development events from a few hours to many days, and provide ongoing curriculum consultations to help develop multiple courses or whole programs.
- ❖ Exploring team contracts to build better teams. *TBL Trends Newsletter*, August, 2014.

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Faculty & Staff Accomplishments

Continued from page 25

Palmieri J. Selected as Chair of the Clinical-Community Prevention Task Force of the Sierra Health Foundation-sponsored, Healthy Sacramento Coalition.

Pauli M.

- ❖ Peer Editor, book chapter: Clinical Application of Pharmacogenomics in Drug Therapy of Neurologic and Psychiatric Diseases. 2014.
- ❖ Appointed Mentor, ASCP Foundation Parkinson's Traineeship Applicants.
- ❖ Recertified, BCPP 2014.
- ❖ Appointed Long Term Care Workgroup, PQA – Pharmacy Quality Alliance 2014.
- ❖ Named to the American Diabetes Association—Northern California Chapter Diabetes Month Committee – 2014.
- ❖ Selected by COP Faculty as Teacher of the Year for 2014.

Porter-Fraser C. Selected as Learning Coordinator for CPhA's Leader Development Institute, effective January 27, 2015.

Viswesh V. Selected by P3 Class as Faculty of the Year 2014.

Woldemariam T.

- ❖ Promoted from Assistant to Associate Professor effective July 1, 2014.
- ❖ Selected by P1 Class for Faculty of the Year 2014.

Staff Accomplishments

Feliciano D. Bachelor of Science in Business Administration, conferred June 15, 2013 at Drexel University, Sacramento, California.

Forrest A. Bachelor of Science in Communications, Magna Cum Laude, conferred December 10, 2012 at Drexel University, Sacramento, California.

Gonzalez A.

- ❖ Master of Science in Counseling. Conferred January 2, 2015 at California State University, Sacramento, California.
- ❖ Advanced Microsoft Excel. A one-day Fred Pryor seminar, Sacramento, California, January 16, 2014.

- ❖ Speed reading with Evelyn Wood Reading Dynamics®. A one-day Fred Pryor seminar, Sacramento, California, February 6, 2014.

- ❖ Selected by student body as Staff of the Year 2014.

Haslinger S.

- ❖ Speed isn't everything: Snail of approval awards celebrate local business and the slow food movement. *Comstock Magazine*, November 19, 2014.
- ❖ Shaken or stirred? Cocktails with local flair. *Comstock Magazine*, December 4, 2014.
- ❖ Selected by student body as Staff of the Year 2014.
- ❖ Editor for Sacramento City College's *Mainline* magazine as of January 2015.
- ❖ Associate Editor for Sacramento City College's newspaper, *The Express*, as of January 2015.

Herman H.

- ❖ Cal/OSHA Compliance. A one-day Fred Pryor seminar, Sacramento, California, April 9, 2015.

Kragen J.

- ❖ Mistake-free Grammar & Proofreading. A one-day Fred Pryor seminar, Sacramento, California, January 15, 2014.
- ❖ The Management Conference. A one-day Fred Pryor seminar, Sacramento, California, March 25, 2014.
- ❖ Business Writing for Results. A one-day Fred Pryor seminar, Sacramento, California, April 14, 2014.
- ❖ How to Manage People. A one-day Fred Pryor seminar, Sacramento, California, July 22, 2014.
- ❖ The Ultimate Supervisor. A one-day Fred Pryor seminar, Sacramento, California, November 17, 2014.
- ❖ Microsoft Excel 2007/2010 Basics. A one-day Fred Pryor seminar, Sacramento, California, March 10, 2015.
- ❖ Microsoft Excel 2007/2010 Beyond the Basics. A one-day Fred Pryor seminar, Sacramento, California, March 10, 2015.
- ❖ Speed reading with Evelyn Wood Reading Dynamics®. A one-day Fred Pryor seminar, Sacramento, California, April 15, 2015.

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Faculty & Staff Accomplishments

Continued from page 26

Padgett M.

- ❖ Mastering Microsoft Excel. A two-day Fred Pryor seminar, Sacramento, California, April 1 and 2, 2014.
- ❖ Fundamentals of Project Management. A two-day Fred Pryor seminar, Sacramento, California, May 13 and 14, 2014.
- ❖ Communication Skills for Women. A one-day Fred Pryor seminar, Sacramento, California, May 22, 2014.
- ❖ Managing Multiple Priorities, Projects and Deadlines. A one-day Fred Pryor seminar, Sacramento, California, June 16, 2014.
- ❖ Sales and Use Tax Workshop. A one-day Fred Pryor seminar, Sacramento, California, July 10, 2014.
- ❖ Project Management Workshop. A one-day Fred Pryor seminar, Sacramento, California, July 17, 2014.
- ❖ Advanced Microsoft Excel. A one-day Fred Pryor seminar, Sacramento, California, August 27, 2014.
- ❖ The Indispensable Office Manager. A one-day Fred Pryor seminar, Sacramento, California, September 15, 2014.
- ❖ Microsoft Access for Beginners. A one-day Fred Pryor seminar, Sacramento, California, September 29, 2014.
- ❖ Leadership, Team-Building & Coaching Skills. A one-day Fred Pryor seminar, Sacramento, California, December 17, 2014.
- ❖ Speed reading with Evelyn Wood Reading Dynamics®. A one-day Fred Pryor seminar, Sacramento, California, April 15, 2015.

Sukiasyan M.

- ❖ Fundamentals of Project Management. A two-day Fred Pryor seminar, Sacramento, California, May 13 and 14, 2014.
- ❖ Communication Skills for Women. A one-day Fred Pryor seminar, Sacramento, California, May 22, 2014.
- ❖ Microsoft Excel Basics. A one-day Fred Pryor seminar, Sacramento, California, December 4, 2014.
- ❖ Developing Emotional Intelligence. A one-day Fred Pryor seminar, Sacramento, California, December 9, 2014.
- ❖ Speed reading with Evelyn Wood Reading Dynamics®. A one-day Fred Pryor seminar, Sacramento, California, April 15, 2015.

Recognizing Excellence

While highlighted in part throughout this issue of *Care in Action*, we would be remiss not to call attention to certain award winners and the financial sponsors of those awards. It is through the excellence of individuals and teams of students, staff and faculty that we are able to accomplish all the things we do. Likewise, the generous support of various sponsors assists us in recognizing and rewarding the academic achievements undertaken by our students.

In 2014, student cohorts recognized the following persons as Faculty of the Year by these respective classes:

- ❖ Class of 2017 – Dr. Tibebe Woldemariam
- ❖ Class of 2016 – Dr. Rachel Lowe
- ❖ Class of 2015 – Dr. Velliyur Viswesh
- ❖ Class of 2014 – Dr. Justin Bouw

In turn, the following students were selected as Student of the Year by faculty in these respective classes:

- ❖ Class of 2017 – Zohra Ismail
- ❖ Class of 2016 – Jessica Sheffler
- ❖ Class of 2015 – Jennifer Courtney
- ❖ Class of 2014 – Silva Petrosyan

Additionally, the following students earned awards and/or scholarships:

Perri Ann Allen, Sahar Anjomshoaa, Michael Chiou, Julia Chung, Jennifer Courtney, Carrie Dean, Doan Trang Thi Duong, Dina Gayed, Beshoy Gerges, Sheena Gurai, Zohra Ismail, Deepa Juman, Michael Kimmel, Jenna Lynn Kopp, Tatyana Levko, Anahita Malekakhlagh, Justin Dinh Nguyen, Tram Nguyen, Tri Nguyen, John Nicolette, Rachel Olsufka, Sylvia Petrosyan, Emi Pothen, Arti Sharma, Jessica Sheffler, Karamjeet Sheikhan, Harish Singh, Stefanie Stafford, Myron Phillip Todd and Dennis Togonon.

STUDENT ACCOMPLISHMENTS

Chan P, Chiou M, Adricula J. Development of a mentorship program at the CSHP-Sacramento Valley Chapter. Presentation at the CSHP Seminar, San Francisco, California, November 1, 2014.

CNUCARES selected as a recipient of the 2013-2014 Asian Pacific-Islander Cultural Center \$500 mini-grant. Faculty Advisor: Dr. Ruth Vinall.

CNUCOP's chapter of the **Student National Pharmaceutical Association** (SNPhA) won the Overall Chapter of the Year, "Rite Aid Chauncey I. Cooper Chapter of Excellence Award" at the 2014 National Conference, Arlington, Virginia.

CNUCOP's Chapter of Phi Delta Chi - Gamma Iota - received the following national recognitions at the annual Leadership Development Seminar in Tampa, Florida, July 2014:

- ❖ 100% Dale W. Doerr Achievement Award for completing every objective set by the PDC National Office for the entire year
- ❖ 2nd place – Professional & Service Projects Award for the Chapter's involvement in community, school, and professional service activities.
- ❖ PLEI REEL to REAL Video Competition – \$500 Scholarship for being one of the winning Chapters in the PLEI REEL to REAL Video Competition.
- ❖ 6th place – Emory W. Thurston Grand President Award. Highest and most prestigious award for PDC chapters; overall performance.

Michael Chiou (P3) and **Tatyana Levko** (P3) won 1st place at the Clinical Skills Competition at the 2014 SNPhA National Conference, Arlington, Virginia.

Dr. Sukhleen (Sheena) Gurai won the 2014 Mylan Award for Excellence in Pharmacy.

Kimberly Han (P3) won first place in the Interprofessional Health Fair Competition at the 2014 SNPhA National Conference, Arlington, Virginia.

Gevorg Matrosyan (P4) selected to attend the "XVIIth International Intensive Course in Medical Bioethics" in Udine, Italy in 2014, as one of only two U.S. student representatives.

Rachael Olsufka (P4) won the 2014 California Pharmacists Association (CPhA) Patient Consultation Competition.

Rachael Olsufka (P4), **Perri Ann Allen** (P4), and **Keitaro Kawaguchi** (P4) placed in the Top 10 nationally among teams at the 2014 ACCP Clinical Skills Competition.

Kristina Pederson (P3), won CNUCOP's Patient Counseling Competition, and will represent the College at state and national competitions at the CPhA West Coast Exchange and APhA Annual Meeting and Exposition, respectively.

Somtakoune SD. Leaving behind 'Sleep by Powerpoint' learning. *Student Pharmacist*; 2014;10(3):18.

Diem Chi Tran (P2), **Justin Nguyen** (P2), **Henry Yu** (P3), **Thu Nguyen** (P4) and **Kenric Li** (P4) winners and recipients of the Rho Pi Phi Upsilon Lambda Motto of Excellence Scholarships for 2014.

Our Mission

To advance the science and art of pharmacy

Our Vision

To utilize innovative active learning strategies in educating students and practitioners, advance the practice of pharmacy, and improve the health of Californians and beyond

Our Values

Advancing our college, our goals, and our discipline

Caring about our students, our staff, our faculty, and our profession

Teamwork in teaching, learning, research, scholarship, and service

Our Goals

The following goals will help us accomplish our mission:

- ❖ An academic program that fosters critical thinking, problem-solving, clinical reasoning, and self-directed learning skills
- ❖ An experiential program that progressively develops student skills, attitudes, values, judgment, professional behavior, and expertise in patient-centered care
- ❖ Graduates who attain effective oral and written communication skills
- ❖ Graduates who use technology to support life-long learning, research, and practice
- ❖ A research infrastructure that promotes collaboration, innovation, and discovery
- ❖ A faculty engaged in discipline-related research and other scholarly activities
- ❖ A faculty development program that nurtures and supports a learning-centered curriculum and the scholarship of teaching
- ❖ Faculty engaged in professional and community activities
- ❖ A continuing education program responsive to the needs of alumni, pharmacy practitioners, and other health care professionals
- ❖ Student participation in professional organizations and community projects to learn skills needed to be an advocate for the profession

Thank You

We would like to show the warmest of appreciation to the sponsors of our awards and scholarships, provided directly to us or to the Northern California Foundation of Pharmacy Education:

- ❖ APhA Award
- ❖ Jim & Claudia Bunse Scholarship
- ❖ Frank & Nancy Cable Scholarship
- ❖ CNU Founders Scholarship
- ❖ CVS Scholarship
- ❖ Moses Omofiene Edewor Scholarship
- ❖ Faculty Scholarship
- ❖ Norman Fong Scholarship
- ❖ David Haddad Scholarship
- ❖ Lilly Achievement Award
- ❖ Robert A. Malvesti Scholarship
- ❖ Mylan Excellence in Pharmacy Award
- ❖ Natural Standard Research Collaboration Award
- ❖ Outstanding Community Service Award
- ❖ Outstanding Tutor Award
- ❖ Pharmacists Mutual Companies Scholarship
- ❖ Safeway Scholarship
- ❖ Walgreens Diversity Scholarship
- ❖ Walgreens Diversity & Inclusion Excellence Award



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