Third Year Student Pharmacists Participate in KGTV News’ Flu Phone Bank Hotline  
Natalie Elder, P-3 and Dr. Sarah Lorentz

On 1/24/2013, KGTV Channel 10 News hosted their inaugural Team 10 Troubleshooter Flu Hotline. Eight UCSD Skaggs School of Pharmacy and Pharmaceutical Sciences (SSPPS) P3 students: Natalie Elder, Irina Gutman, Denise Harano, Karen Hoang, Kellie Kocher, Richard Muus, Jennifer Pham, and Pamela Saarikoski, UCSD Ambulatory Care residents: Priya Amin, Noah Nevo, Jesse Wisniewski and UCSD Infectious Diseases resident: Katie Gazlay, as well as two nurses from San Diego County Health Department participated in the newscast hotline. Dr. Sarah Lorentz was the coordinator and precepted at the event. In addition Natalie Elder assisted as the student organizer.

During the Channel 10 evening news the UCSD pharmacy team answered questions of over 100 San Diego residents regarding the flu and flu vaccine. Many county residents have been concerned about the increase of influenza cases including 14 deaths this flu season.

Reoccurring questions from the viewing audience included differentiating between signs and symptoms of the flu versus a cold, common side effects of the flu shot, and locations in San Diego for low cost flu vaccinations.

The Channel 10 News team, including Ellen McGregor, executive producer of special events, were very impressed with the amount of calls placed to the hotline as well as the thorough responses given. We hope to collaborate with them for further hotlines in the future. Here is a link to video of the event: [http://www.10news.com/news/team-10-flu-hotline-answers-concerns](http://www.10news.com/news/team-10-flu-hotline-answers-concerns)
Generation Rx Starts Out Strong with Training
Sessions and High School Presentation
By Francis Wang, P-2

The goal of Generation Rx is to educate High School students about prescription abuse. Fall quarter started out with two training sessions and one school presentation.

In October, Generation Rx held 2 training sessions. At our first session, Greg Estep and I trained 22 UCSD student pharmacists for the 2012-2013 coming year. In the next training session, Greg Estep and I trained 15 UCSD resident pharmacists and 3 UCSD student pharmacist. This makes a total of 40 trained presenters to give hour-long presentations. These training sessions were very interactive and student pharmacists played the role of the student audience.

A new text-polling system was added this year. These questions are used to measure the effectiveness of the presentation, access the background knowledge of the students, and to encourage participation. Survey questions include a pre-test, post-test, and background discussion questions. Generation Rx team members are using the website, www.polleverywhere.com, to display questions on a projector screen. Students will then use their cellphone to text and send their answer to a specific text number that corresponds to the multiple choice answer. Generation Rx hopes to get valuable data from these questions.

On November 30th, Generation Rx had their first event of the school year at Kearny High School of Science, Connections, and Technology, School of Digital Media Design, and School of Construction Tech Academy. 9 Generation Rx team members presented a total of 8, 1.5 hour sessions that reached a total of 240 students. Presenters used the newly installed text polling system and it resulted in a successful, first presentation of the school year. Students were very engaged in the presentation and both students and teachers learned a lot from the Generation Rx team members.

Thank you to everyone who came to the Kearny High School presentation and I’m looking forward to successful future sessions. I also want to thank the two excellent Faculty Advisors, Dr. Eduardo Fricovsky and Dr. Nathan Painter, for all their help.
2012 ASHP National Clinical Skills Competition
By Felix Yam, Pharm.D., BCPS

Elizabeth Jackson and Jennifer Lee beat out 120 other teams from pharmacy schools across the nation to make it as a top 10 finalist. They then participated in the final round of clinical presentations and took home the big prize! This is a distinct honor not only for Elizabeth and Jennifer, but for UC San Diego Skaggs School of Pharmacy. Congratulations Elizabeth and Jennifer! We are all very proud of you!

Hi everyone:

Great news! Our student chapter has been recognized as a CSHP Chapter of Distinction! We applied for this recognition at the very beginning of this school year and received this title based on our chapter’s excellence in finance, business processes, membership, and membership satisfaction.

We are one of five schools who have received this title and our name is listed on their website —>http://www.cshp.org/award/student-chapter-distinction-award

Thanks for all the hard work that you put in for our student organization- Let’s keep up the great work!

Sincerely,
Rebecca Kandilian
Pharm.D. Candidate 2014

Pictured: Jennifer Lee and Elizabeth Jackson of UC San Diego with Daniel Cobaugh, Vice President of the ASHP Research and Education Foundation, and Kathryn Schultz, ASHP President
Impressive Showing at the Annual Summer Research Poster Session
By Brookie Best, Associate Dean for Admissions and Outreach

In the summer of 2012, 2 student pharmacists from the Classes of 2013 – 2015 successfully completed research projects (see table below), with support awarded from multiple sources including the Millennium Research Institute, the Skaggs Foundation, the Clinical and Translational Research Institute (CTRI) TL-1 Training Grant (1TL1RR031979-02), and the NICHD T35 Predoctoral Training Grant in Maternal and Pediatric Pharmacology (1T35HD064385). Over 90 pharmacy and medical trainees presented their findings to UC San Diego Health Sciences deans, faculty, staff and students at the Annual Poster Session held on Thursday, January 10, 2013. The breadth, scope and quality of the projects presented were excellent. Many of these project results will have far-reaching impact in advancing the fields of pharmacy and pharmaceutical sciences through publications and presentations at top-tier peer-reviewed scientific meetings. So far, students have presented/will present at PAINWeek’12: The National Conference on Pain for Frontline Practitioners (J. Cao, J. Jiang, L. Mann, K. Moy, K. Ramey, P. Saarikoski, E. Win, D. Yee), the American Society of Health-System Pharmacists 47th Midyear Clinical Meeting (T. Lew, J. Yin), the LS Skaggs Biomedical Research Symposium (A. Bechtold), the 19th Annual Napa Pain Conference (K. Moy, J. Liu), and the Sixth Health Disparities Conference, 2013 (K. Gan, P. Phuong). Of special note, Jennifer Pham’s project (mentor: Jason Lam) will be presented at CPhA’s 2013 West Coast Pharmacy Exchange as the winner of the CPhA Academy of Health-Systems Pharmacists Annual Best Practice Award! To learn more about these projects, please check the poster display cases on the 1st floor of PSB over the next few months. Congratulations to all the students and a heartfelt thank you to all the mentors and sponsors for these outstanding accomplishments to date, with more to come!
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SSPPS Curriculum Produces Well Equipped Pharmacist Graduates
By Candis M. Morello, PharmD, CDE, Associate Dean for Student Affairs

As we move into our second decade at UC San Diego SSPPS, I find myself reflecting on our current students and those who have graduated. In the early days, our students expressed concern over whether what they were learning was going to lead them to successfully pass the pharmacy board exams and become successful pharmacists. Was the integrated curriculum with the medical students really working? With each curricular change, these questions still arise.

When the school was developed, we began with “the end in mind.” Among many, one of our goals was to provide a top-notch innovative curriculum and experience at SSPPS that would produce pharmacists who were thought leaders and forward thinkers. To date, seven classes have graduated from SSPPS and their performance on pharmacy board exams has been outstanding. Our graduates have a 100% pass rate as first-time test takers for the North American Pharmacist Licensure Examination (NAPLEX), a 98% pass rate for the California Pharmacy Jurisprudence Exam (CPJE) for 1st time takers (100% for 2nd time takers), and over 50% continue on with further education in residency or fellowship training. Several hold leadership positions in their area of practice, research or teaching, in professional societies or in the community, and some have even come back full circle to academia. Many have commented that their shared curriculum with medical students during pharmacy school has been an asset to them in their career development and current positions. The SSPPS faculty and staff are very proud of you all!

So, if any of our current students ever wonder about the quality of their education at SSPPS, please be assured that our curriculum will equip you with the tools you need to become successful pharmacist leaders.

“Public Domain Databases for Medicinal Chemistry”
By George Nicola, Ph.D.

Every month, the Journal of Medicinal Chemistry, the top cited journal in its field, lists its “most-read” articles, to alert subscribers of the articles that are being read by their peers. This past season, a perspective article published by the laboratory of Prof. Michael Gilson was featured. The article describes publicly accessible databases of interest to medicinal and pharmaceutical chemists, and details many useful features of these databases. Many chemistry-oriented databases designed to support early-stage drug-discovery have been established to facilitate access to the abundance of compound activity and affinity data being published, with the aim of accelerating the discovery of new medications. In order to maximize their usefulness, it is important that researchers be aware of these resources and exploit their full potential.

One of these databases, BindingDB (www.bindingdb.org), is a resource initiated by Dr. Gilson more than a decade ago, and today boasts 800,000 data points, 30,000 article entries, and 400,000 small molecules that are studied by pharmaceutical researchers in academia and industry. This public, web-accessible database focuses chiefly on the interactions of proteins considered to be candidate drug-targets with ligands that are small, drug-like molecules. BindingDB supports medicinal chemistry and drug discovery via literature awareness and development of structure-activity relations (SAR and QSAR); validation of computational chemistry and molecular modeling approaches such as docking, scoring and free energy methods; chemical biology and chemical genomics; and basic studies of the physical chemistry of molecular recognition. The data collection derives from the published literature, and includes a variety of measurement techniques, including enzyme inhibition and kinetics, isothermal titration calorimetry, NMR, and radioligand and competition assays.
This year, Investiture and Founders’ Day activities combined the formal inauguration of Chancellor Pradeep Khosla with the celebration of UCSD’s fifty-two year anniversary. The events kicked off on Thursday November 15th with a reception, in which Chancellors awards were given to three new awardees. The awardee most closely associated with pharmacy was Julia Brown, who was an early leader with Amylin before its several reincarnations. Ms. Brown is also connected with other pharmaceutical companies, including Targacept. As awardees from last year, Sam and Aileen Skaggs were also featured in a video review of past awardees.

The formal Investiture of UCSD’s 8th Chancellor, Pradeep Khosla, also marked the commemoration of the date that UCSD was officially founded on November 16, 1960. UC President Mark Yudof presided over the Investiture. Representing the founding faculty of SSPPS were Drs. Brookie Best and David Adler, in addition to Dean Palmer Taylor.

Following the Investiture, there was an open house for the community in the Town Square. Sixteen of UCSD’s major programs and schools, including SSPPS, were asked to develop booths that incorporated the Founders’ Day theme “WE.” The SSPPS booth demonstrated how everyone at the School of Pharmacy participated in the School’s common vision of “WE HEAL”: Students (“WE LEARN”), Faculty (“WE TEACH”), and Staff (“WE HELP”). SSPPS’s enormously popular booth featured a “Pharm.D. for a Day” photo booth, where participants dressed in lab coats and posed for pictures in a colorful mock pharmacy. Takeaways for participants included cakepops and Polaroid pictures from the pharmacy photo booth.

One of the most interesting events at Founders Day was a public research seminar attended by faculty and community leaders. SSPPS, in fact all of Health Sciences, was well represented by Adah Almutairi in her talk entitled “The Art of Falling Apart.” Ms. Almutairi described her studies on controlled delivery of drugs, diagnostic and interventional agents, and she clearly revealed the potential of nanochemistry in pharmaceutics.

Friday evening’s student event Hullabaloo marked the closing of Founders’ Day festivities. Appropriately themed WE EAT, WE PLAY, WE DANCE, food trucks, games, amusement park rides, games, musicians, and a dance stage entertained students into the night.
The first event for the 2012 SSPPS class with the APHF was conducted at the Holy Spirit Church in East San Diego on October 14, 2012, grouping a large number of students from the Skaggs School of Pharmacy and Pharmaceutical Sciences, UCSD Asian Pacific American Medical Students Association (APAMSA), Southwestern Nursing College, San Diego State University and area colleges. Several types of service were run in parallel: Hypertension, Blood glucose, Cholesterol tests, immunization guidelines, medication safety. Glaucoma screening was provided by the medical students under the supervision of Dr. Stadwiser and Dr. Paul Huynh. The survey for Barriers to Hepatitis B Screening was conducted alongside the screening via Point of care and traditional Hepatitis B testing for 51 persons. A new project was presented by Vuong Le, Tri Ho and Eche Okoli: Evaluating the effect of Community-based student run educational outreach on Cervical Cancer awareness and attitude towards annual Pap smears and HPV vaccines among Vietnamese American women in San Diego.

At Phat Da Temple on October 28, 2012, Kayla Giang and Michelle Huang provided the Hepatitis B Point of care testing for Temple members attending the retreat on that day. Sixteen persons were tested during the one-hour lunch break, giving two positive samples.
We were expanding to the Cambodian population at the Sovannkiry Temple in San Diego on November 18, 2012. Andrew Nguyen and Phuong Thoi were trained by Kayla Giang to work on the Hepatitis B POC tests.

The last event of the year was at Colina Park on December 16, 2022, coordinated by Victoria House Corporation, a non-profit group that provides a wide variety of services to the multicultural communities in the North Park area of San Diego.
**Community Activities with the Asian Pacific Health Foundation in January of 2013**  
**By Binh Tran, Pharm.D.**

**Hepatitis B and Cervical Cancer Awareness** at Good Shepherd Church on January 12, 2013. Alex Doo and a team of APAMSA students were providing the tests, led by Kayla Giang and pharmacist Amy Dao.

Hepatitis B and C Screening at Holy Family Church on January 27, 2013. The addition of POC HCV tests brought a larger number of attendees to the traditional Hepatitis B screening. Stronger advertisement via flyers at nearby shopping centers and at the Church’s multiple Masses was shown in increased numbers of person tested. Fifty-five persons were tested, giving 4 positives for Hepatitis B, with one patient having also Hepatitis C.
APPE Rotation Fair
By Shelly Fromholtz

The Office of Experiential Education hosted its annual APPE Rotation Fair on Tuesday, February 5th, from 10:00 AM to 2:00 PM. Over 40 preceptors from over 20 teaching sites throughout the county attended to discuss APPE rotations with SSPPS’s Class of 2014.

For their fourth year, the P3s will enroll in seven 6-week APPE rotations – two Acute Care, two Ambulatory Care, one Community Pharmacy, and two electives. The students were eager to talk with the preceptors to help them get a better idea of what to expect at each site and with each rotation; they will use this information when selecting their rotation preferences later in the year.

Sites participating in the event were CVS Caremark Pharmacy, Fallbrook Hospital, Health Net Pharmaceutical Services, La Maestra Clinic, North County Health Services, Palomar Medical Center, Ralphs Pharmacy, Santarus, Inc., Scripps Chula Vista, Scripps Memorial Hospital La Jolla, Scripps Mercy Hospital San Diego, Sharp Healthcare, Target Pharmacy, Tri City Medical Center, UC Veterinary Medical Center, multiple UC San Diego Health Care System sites, VA Medical Center San Diego, and Walgreens Pharmacy.
CPhA-AHP Best Practice Award Goes To SSPPS Alumni Jason Lam

Congratulations! The CPhA Academy of Health Systems Pharmacists Board of Directors has selected Jason Lam the winner of this year’s CPhA AHP Best Practice Award! Dr. Lam and Jennifer Pham will be presenting their poster at CPhA’s 2013 West Coast Pharmacy Exchange in Monterey, California in March this year. Jason has been invited to submit it to CPhA’s Editorial Review Committee who will consider it for publication in CPhA’s journal, California Pharmacist.

Update on Alumni Courtney Shakowski

Courtney Shakowski graduated from UC San Diego Skaggs School of Pharmacy in 2011. She was excited to return home to Colorado for her PGY1 pharmacy residency at the University of Colorado Hospital. During her PGY1 year, she completed a major project entitled, “Renin-Angiotensin System (RAS) Blockade Reduces Proteinuria in Heart Transplant Recipients: An Observational, Longitudinal Analysis.” Recently, she was notified that her abstract was accepted as a poster presentation to the International Society of Heart and Lung Transplantation (ISHLT) at the Palais des Congrès de Montréal in Montréal, Canada in the spring of 2013. Who would not want to travel to Montréal, Canada?! Also during her PGY1 year, she recognized her passion for critical care and emergency medicine.

After completing her PGY1 pharmacy residency she immediately started her PGY2 critical care and emergency medicine pharmacy residency also at the University of Colorado Hospital. This year she is studying the effect of intravenous droperidol (Inapsine™) for nausea on QTc interval prolongation in emergency department patients with risk factors for torsades de pointes. At the beginning of her PGY2 residency she became a board certified pharmacotherapy specialist (BCPS)! Although, she recognizes her standardized testing days are not over since she will likely take the critical care pharmacy specialty exam once it is released. This past July she had the opportunity to meet President Obama, who was visiting victims from the Aurora theater shooting tragedy. Twenty-three victims were taken to the University of Colorado Hospital emergency department that evening. As part of a multidisciplinary team, Courtney helped provide pharmacy services for the victims in the surgical intensive care unit. Upon completion of her PGY2 residency she looks forward to practicing as a critical care pharmacotherapy specialist in an academic hospital environment.
BioMedical Library
Biomedical Library (BML)
9500 Gilman Drive 0699
La Jolla, California
92093-0699
Penny Coppernoll-Blach, MLS
Biomedical Libraray Liaison for SSPPS
pblach@ucsd.edu
(858) 534-4431
Email Reference Service:
biomed@ucsd.edu
Visit the library website for hours:
http://scilib.ucsd.edu/bml/

Staff Service Awards

Adrienne Gomez 10 Years
Doreen Lacy 10 Years
Cynthia Barlow 15 Years

Staff Holiday Party

The Annual UCSD Staff Holiday Breakfast was held at the Faculty Club on December 12, 2012. SSPPS Staff were treated to the fun event by Associate Dean Andrina Marshall. Chancellor Pradeep Khosla cheerfully greeted everyone. Some of our staff won raffle prizes, and we posed for our traditional photo with Santa. Special Thank You to Andrina!