

**Navy Surgeon General Visits SSPPS**  
**James Colbert, Pharm.D.**  
**Assistant Dean for Experiential Education**

At the invitation of Dr. Irv Silverstein, Director of Dental Services (DDS) at the UCSD Free Clinic Project, we were honored to have Vice Admiral Adam Robinson, Surgeon General of the Navy and Chief of the Navy’s Bureau of Medicine and Surgery, address a packed audience in the Skaggs auditorium on Thursday, December 2<sup>nd</sup>, 6:30 PM. The audience included pharmacy, medical, and pre-dental students as well as faculty from the Health Sciences. A number of senior medical and dental navy officers from the San Diego Naval Hospital were also in attendance. Admiral Robinson spoke at length regarding the development of his career path, how he became the Surgeon General, and where he sees Navy medicine, dentistry, pharmacy and other health care professions going in the future.



Admiral Robinson also commended Dr. Silverstein for his leadership in the Navy’s Health Care Diplomacy program, and encouraged students and faculty in attendance to continue their involvement in serving those less fortunate. Perhaps Admiral Robinson’s most telling comments involved leadership and life. On leadership he said there are three key components:

1. Know who you are and be comfortable with that.
2. Be responsible for your actions (“own your actions”).
3. Be responsible for your reactions.

And lastly on life he remarked: “Life is to be lived, not suffered or endured. All in all, it was a most entertaining and informative evening.

**L.S. Skaggs Biomedical Research Symposium**

The Skaggs School of Pharmacy and Pharmaceutical Sciences was the proud host to more than 160 attendees at the 2010 L.S. Skaggs Biomedical Research Symposium on November 11 and 12. Held every two years at one of the research institutes supported by the ALSAM Foundation, this two-day event featured speakers, students and other attendees from UC San Diego, The Scripps Research Institute, the University of Montana School of Pharmacy, the University of Colorado School of Pharmacy and Idaho State University College of Pharmacy.

The Skaggs Symposium was a successful event and we appreciate the Skaggs family’s ongoing support of our Skaggs School of Pharmacy’s vision and research.

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**A Letter of Congratulations from Palmer Taylor, Ph.D.**

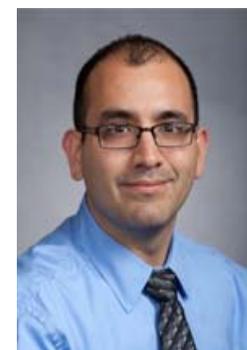
I am pleased to announce that Phil Bourne was elected as a fellow of the American Association of the Advancement of Science. Phil’s contributions to genome and proteome sequence and structure in the pharmaceutical and informatics worlds are internationally recognized as pace setting and form an important base for drug development efforts at UCSD and elsewhere. As many of you know, Phil, Phil Anderson and Sue McGuinness have edited and authored a book that we use in the informatics course for pharmacy students.



Kang Zhang who serves on our adjunct faculty and teaches in our pharmacogenomics course was also elected.

Congratulations Phil and Kang.

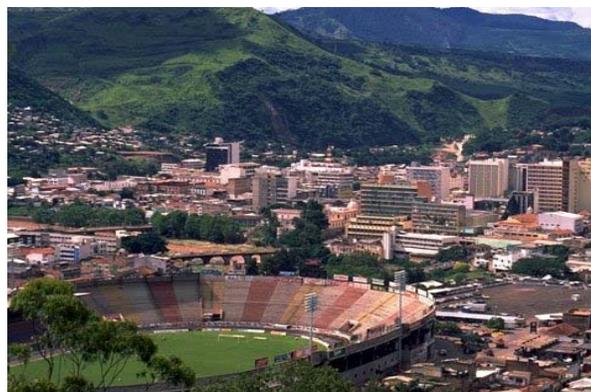
Please join us in congratulating Dr. Eduardo Fricovsky for receiving the 2010 Equal Opportunity/Affirmative Action and Diversity Award. He is being recognized for exemplifying the UC San Diego Principles of Community.



The October 2010 announcement of the awards program invited and encouraged nominations to recognize those individuals, departments and organizational units who have made outstanding contributions in support of UC San Diego’s commitment to diversity. A review committee composed of representatives from each vice chancellor area evaluated the nominations and recommended them to the Equal Opportunity/Staff Affirmative Action Department. A ceremony was held on Tuesday, February 8, 2011 at the Price Center West Ballrooms recognizing the 2010 Equal Opportunity/Affirmative Action and Diversity Awards Recipients.

Dr. Ronald Floyd’s letter to the editor, “Comment: Identifying Optimal Initial Infusion Rates for Unfractionated Heparin in Morbidly Obese Patients” was published in *The Annals of Pharmacotherapy* 2010 December, Volume 44, pg. 2037-2038. Dr. Floyd is an Assistant Clinical Professor, Voluntary for UCSD Skaggs School of Pharmacy and Pharmaceutical Sciences.

We are very excited to announce that three P1s, Danielle Tatusko, Christine Manalo, and Jennifer Cao, will be traveling to Honduras to participate in the Global Medical Brigades this spring break. This program focuses on



providing medical relief in areas where there is limited healthcare and these three P1s will be spending their spring break working at clinics in under-resourced communities.

If you would like to make your own contribution to the cause by donating supplies such as OTC medications, clothes, shoes, toys, etc., please contact Christine Manalo at [cmanalo@ucsd.edu](mailto:cmanalo@ucsd.edu). Any contribution you can make will be greatly appreciated.

## CSHP-UCSD Residency Showcase

By Susan Cho, P-3

On Tuesday, November 9<sup>th</sup>, more than 80 UCSD pharmacy students gathered in the Health Sciences Education Center Lobby to attend the CSHP-UCSD Residency Showcase. The program consisted of two sessions: a presentation showcase led by residency directors and a Q&A panel of PGY1, PGY2, and post-residency speakers. Among the residency showcase directors were Jennigrace Bautista Pharm.D., Residency Coordinator at Kaiser Permanente, Olga DeTorres, Pharm.D., FASHP, BCPS, Infectious Disease Clinical Pharmacy Specialist at Palomar Medical Center, Gale Romanowski, Pharm.D., Pharmacy Education Coordinator at Rady Children's Hospital and Health Center, Harminder Sikand, Pharm.D., FCSHP, FASHP, Clinical Director and Residency Director at Scripps Health, Grant Lum, Pharm.D., Clinical Supervisor and Residency Director at Sharp Healthcare, Arash Dabestani, Pharm.D., MHA, FABC, Associate Director, Pharmacy Services at Stanford Hospital & Clinics, Mike Brown, Pharm.D., Director of Pharmacy at Stanford Hospital & Clinics, Marcie Lepkowsky, Pharm.D., Pharmacy Practice Residency Program Director at UCSD Health System, Sarah Lorentz, Pharm.D., UCSD Ambulatory Care Residency Program Coordinator at UCSD Health System, and Jonathan Lacro, Pharm.D., BCPS, BCPP, Residency Program Director at VA San Diego Health System. Each of the residency program directors conducted a short presentation on highlights of their program, and gave advice for future applicants. At the end of the showcase, Sarah McBane, Pharm.D., CDE, BCPS, UCSD Assistant Clinical Professor, made concluding remarks about why students should consider a residency.



The Residency Panel consisted of Thien-Kim Nguyen, Pharm.D., PGY1 at Kaiser Permanente, Samar Yalda, Pharm.D., PGY1 at Kaiser Permanente, Jonathan Faldasz, Pharm.D., PGY1 at Rady Children's Hospital and Health Center, Christie Bridgen, Pharm.D., PGY1 at Scripps Health, Robert Eastin, Pharm.D., PGY1 at Scripps Health, Victor Monrreal, Pharm.D., PGY1 at Sharp Healthcare, Karen Anderson, Pharm.D., PGY1 at UCSD Health System, Amy Eng, Pharm.D., PGY2 at UCSD Health System, Patrick Chung, Pharm.D., Post-Resident at VA San Diego Health System, and Maximillian Jahng, Pharm.D., PGY2 at VA San Diego Health System. The panel opened with a background introduction from each of the residents. A Q&A session followed where students were able to ask specific questions regarding how the residents chose their path, what strengths the residents saw in their respective programs, and what ways students could start preparing to become a strong residency candidate. Felix Yam, Pharm.D., UCSD Assistant Clinical Professor, closed with a brief statement on what to keep in mind when choosing a residency program. There was time at the end of the event for residency directors and residents to reconvene in the lobby and speak with individual students to address any further inquiries.



This event was the first ever Residency Showcase held at UCSD Skaggs School of Pharmacy and Pharmaceutical Sciences. Student attendees were very enthusiastic to network with residency program directors and residents, and provided positive feedback following the event. CSHP-UCSD would like to thank all of our Residency Showcase/Panel guests for making this event possible. We would also like to thank our faculty and staff, especially Dr. Charles Daniels, Dr. Anthony Manoguerra, Dr. Sarah McBane, Dr. Candis Morello, and Dr. Felix Yam for their support. CSHP-UCSD gives a special thanks to Kim Ciero for working with us in coordinating all of the logistics for this event. Lastly, we would like to thank our CSHP-UCSD Professional Affairs Chair, Tiffany Wong, P3, for contacting all of the different residency programs and for piloting this event. We hope the CSHP-UCSD Residency Showcase will become a mainstay at SSPPS for years to come.

### Medicare Part D Elective By Nathan Painter, Pharm.D.



The Medicare Part D Elective participated in six outreach events during the fall quarter. A total of about 95 seniors and underserved patients were given individual assistance in choosing the best prescription drug plan for 2011.

A special thanks to the students, faculty, and preceptors for participating and making these outreaches successful. Students: Angela Bougetz, Chau-Sa Nguyen, Christine Manalo, Cindy Nguyen, Duy Tran, Elizabeth Jackson, Jackie Hovhanessian, Jennifer Cao, Jennifer Lee, Jenny Tran, Jessica Derwin, Karen Hoang, Kiranpreet Kaur, Marina Zotova, Marwa Rifai, Naina Makker, Nikki Pham, Ohannes Kandilian, Rebecca Wittenberg, Ruiqian Yang, Sam Mendoza, Sandy Chong, Soo Jin Lee, Thu Truong, Tiep Ly, Tihua Chao

Preceptors: Jag Rai, Pharm.D., Binh Tran, Pharm.D.

Faculty: Sarah McBane, Pharm.D., Renu Singh, Pharm.D., Emilie Smith, Pharm.D., Shirley Tsunoda, Pharm.D.

### Un Día de Educaciyn y Esperanza (A Day of Education and Hope) By Beatriz I. Lewis, Pharm.D.

The Moores UCSD Cancer Center hosted the first ever “Un Día de Educaciyn y Esperanza – A Day of Education and Hope” this past summer. This free Spanish-language outreach and education program was geared towards Spanish-speaking patients with cancer, their caregivers, and was open to the public. The event was completely in Spanish and covered a wide-range of topics including: Blood and Marrow Transplantation, Reproductive Cancers, Breast Cancer, Chemotherapy Treatment in the Infusion Center, Radiation Oncology, Complementary and Alternative Medicines, Chemotherapy-Related Side Effects, Mindfulness, Coping Strategies During Your Cancer Journey, Nutrition and Lifestyle, and Spirituality and Cancer: A Faith and Cultural Perspective.

Sophie Bordson, Stephanie Chauv, Alex Engelmann, Mayra Guzman and I presented on, “Chemotherapy-Related Side Effects” to an audience of about 40 – 50 people. After a general introduction of the topics, Alex presented on nausea and vomiting, Mayra and Stephanie on diarrhea, Sophie on constipation, and I covered pain. The students did a fabulous job covering the non-pharmacological recommendations for each topic in Spanish. After the presentation, we were all honored with a certificate of appreciation.



## ASCP Update

By Elizabeth Jackson, P-2

The American Society of Consultant Pharmacists (ASCP), is a professional organization that focuses on geriatric pharmacy and health issues affecting the senior community. We at UCSD-ASCP are a fairly young chapter, but we are large in numbers and in spirit. Summer 2010 was a very eventful time for the organization and we look forward to even more outreach events in the upcoming school year.

The first event of the summer was our very first immunization outreach for seniors discussing awareness and prevention of shingles and pneumococcal disease. These two diseases that widely affect the senior community, are often overlooked, but fortunately are preventable. Many seniors are not aware of the prevalence of these diseases and even fewer are aware of the fact that the vaccines even exist. ASCP's student pharmacists Jack Yeung, Bill Madden, and Chris Mapes, educated over 30 seniors at the Del Mar City Hall Annex. A big "thanks" to Shirley King from Del Mar Community Connections for helping us to promote the event, and also to our wonderful preceptor, Dr. Joseph Ma.

The second event of the summer was a diabetes outreach in Brookview Village organized by our VP of Community Affairs, Inna Sosinsky. The presentation focused on diabetes as a disease, lifestyle modifications that need to be made, and treatment options for seniors who are afflicted or at risk. A small group of seniors asked questions they had about diabetes and were given personalized answers from the student pharmacists.

The third event of summer 2010 was a hypertension awareness presentation at the Vi retirement home in La Jolla. The presentation addressed many aspects about hypertension as a disease. Traci Bricker, Jennifer Johnson, Bill Madden, and Elizabeth Jackson educated the inquisitive seniors about the risk of hypertension, lifestyle modifications, therapeutic options, and even drug and food interactions of which they should be aware. An outstanding audience of over 40 seniors attended the presentation, actively engaged in questions and answers, and even participated in "pop quiz" questions about hypertension. We would like to thank Shiela Caldito for helping us to set up this outreach and also our preceptor Dr. Sarah McBane.

Just a few weeks later, the UCSD-ASCP student pharmacists Bill Madden, Lindsey Hohmann, Natalie Hohmann, and Jennifer Johnson, returned to Vi retirement home, this time to give an interactive presentation on overactive bladder. The presentation was very well received, attracting over 50 senior audience members. Again seniors participated in "pop quiz" questions about overactive bladder, and were given the opportunity to ask questions. Not only was it an exciting experience for the seniors, it was also a valuable experience to the student pharmacists, both intellectually and mentally. Again we would like to thank our amazing preceptor, Dr. Sarah McBane, for all of her help and support.

In August, the student pharmacists Bill Madden, Natalie Hohmann, and Lindsey Hohmann presented our second Immunization outreach, again on the awareness and prevention of shingles and pneumococcal disease. This time we held the event at the Frederika Manor Care Center in Chula Vista, and were able to interact with over 30 interested seniors. In the future, we plan to hold many more immunization outreaches as this is an important issue for the geriatric community.

The fall of 2010 brought even more opportunities to reach out to the geriatric community and educate seniors about health and medication. As the baby boomers age, more and more geriatric patients will be coming to us for help, and the best way to get experience educating them is to volunteer to help them right now. If you would like to learn more about consultant pharmacy and reaching out to the geriatric community, please come and check out our organization!



## Skaggs' students collaborate with Millenium Research Institute

By Rabia Atayee, Pharm.D., BCPS

Millenium Research Institute (MRI) has a unique approach to drug analysis that evaluates pharmacokinetic and pharmacodynamic properties of medications and medication adherence. They have an innovative multidisciplinary research team comprised of research scientists, chemists, psychiatrists, a psychologist, and nurses. In order to achieve their goals of advancing better use of pain management pharmaceuticals and improving treatment outcomes, Millenium has partnered with UCSD Skaggs School of Pharmacy & Pharmaceutical Sciences (SSPPS). This collaboration was initiated by Dr. Amadeo Pesce representing Millenium and Drs. David Adler, Williams Ettouati, and Brookie Best representing SSPPS.

In 2009 the partnership was initiated with an educational grant for a second-year student pharmacist, Joanna Cole. With Joanna's success publishing her research in the Journal of Opioid Management on the variability of fentanyl metabolism using urine samples from pain patients, Millenium continued the partnership by providing educational grants for five students in the 2010-2011 academic year. The researchers are second-year students Neveen Barakat, Michelle Hughes, Stephanie Tse and David Yee and third year student Edijs Leimanis. These students were mentored by Dr. Pesce, Dr. Best and Dr. Atayee.

The accomplishments of the above five students include the completion of studies that analyzed urine samples in pain patients for the metabolism and variability within and between patients of oxycodone, morphine, hydrocodone, carisoprodol, and methadone. Some of these students completed secondary projects that involved looking at the relationship between urine drug testing and adherence and the relationship between heroin use and other opioids. Thus far their efforts have been rewarded with the acceptance of seven poster presentations at various national conferences including the 17<sup>th</sup> Annual Napa Pain Conference, Pain Week 2010, Mass Spectrometry: Applications to the Clinical Laboratory (MSACL) conference 2011, and American Academy of Pain Medicine



27<sup>th</sup> Annual meeting of 2011. One manuscript is under review at PLoS ONE and five additional manuscripts will be submitted to Journal of Analytical Toxicology.

With the initial success of the partnership, the goal is to expand further in the areas of pain and psychiatry medicine. Discussion for potential research ideas for next year include the following: (1) metabolism and variability of buprenorphine, diazepam, amitriptyline, and imipramine (2) metabolism effects with concomitant administration of benzodiazepines and opioids (3) the dose requirements of opioids in fast metabolizers, and (4) opioid metabolism and excretion in liver dysfunction. This successful collaboration demonstrates how industry and the academic health sciences can complement one another to advance research efforts and ultimately improve patient care.

**A Great Success for UC San Diego's First Legislative Day**  
**Joanna Cole, P-3**  
**APhA-UCSD VP of Community Affairs**

Skaggs School of Pharmacy and Pharmaceutical Sciences at UC San Diego held its first ever Legislative Day on Saturday, October 16 in conjunction with the California Pharmacists Association. The student-organized event was a great opportunity for pharmacy students, faculty, local professionals and representatives involved in legislation and governmental affairs to gather together and share information, ideas, and concerns.

Inspired by their very positive experience at CPhA Legislative Day in Sacramento last spring, third-year SSPPS students David Ha, Ohannes Kandilian, and Stephen Rettig decided to bring some of the political dialogue down to San Diego. Their goal was to expose their fellow student pharmacists to the legislative side of pharmacy, and inspire them to get involved early in their careers. The nine-member planning committee, composed of SSPPS pharmacy students from second, third and fourth year classes, spent over six months organizing the much-anticipated event. The committee received a great deal of support from the San Diego County Pharmacists Association in the planning process and also precepted the event. UCSD Legislative Day was the first event of its kind ever to be held at Skaggs, and was robustly attended by students, faculty, local pharmacists, pharmacy residents, and student pharmacist guests from the University of Southern California. With over fifty attendees, the event did appear to make a prominent impact on SSPPS students and others who attended.

The day started with a warm welcome from Dean Palmer Taylor, who appropriately set the tone with his emphasis on involvement and improving the profession of pharmacy. He was followed by CPhA President-Elect Kenny Scott, who described the duty of student pharmacists and professionals to be active in creating positive change in the field. His engaging speech gave examples of progress thanks to the actions and passion of committed people to expand pharmacy to better serve patients. It was an appropriate history lesson for students in the audience, demonstrating the capacity for progress in our dynamic profession. Aaron Byzak, Director of Government and Community Affairs for UC San Diego Health Sciences, provided an entertaining 'how-to' presentation about approaching legislative officials and developing relationships that can really impact current health policy. The talk was practical and very useful for anyone seeking to engage in one-on-one dialogue with policy-makers as a representative of pharmacy. This topic was an appropriate introduction for the key-note speaker, Nathan Fletcher, California State Assemblyman for the 75<sup>th</sup> District. Assemblyman Fletcher was specifically invited to speak because of his active role in much of the current healthcare-related legislation. Furthermore, he represents the district in which UC San Diego resides. Assemblyman Fletcher gave insight into the process of writing and passing health policy, highlighting the need for a stronger pharmacy voice. As he shared stories and suggestions for both pharmacists and pharmacy associations, such as CPhA, stirred discussion in the audience about how to ensure that pharmacy is well-represented in the current climate of healthcare changes. A panel discussion with all four speakers followed Assemblyman Fletcher's address. This allowed the audience to voice personal questions and concerns about the topics presented and engage the speakers in active discourse.



*The SSPPS Legislative Day Committee with Assemblyman Nathan Fletcher.*

*Committee Members: [Julia Pchelnikova \(P3\)](#); [Paul Ko \(P3\)](#); [Joanna Cole \(P3\)](#); [Kam Soleymani \(P4\)](#); [Sherry Kim \(P4\)](#); [Thien Vu \(P2\)](#); [David Ha \(P3\)](#); [Stephen Rettig \(P3\)](#); [Ohannes Kandilian \(P3\)](#)*

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The Legislative Day Committee was very pleased with the pertinent conversation on contemporary topics in the field and the diverse perspectives provided by the speakers. All attendees were provided a unique opportunity to learn and share in a more intimate setting with the overall goal of raising the volume of pharmacy's voice in California. This event is only the beginning of the health policy discussion at Skaggs, and will hopefully be the first of many opportunities that spur future activity in our community, pharmacy associations, and the legislative arena.

*The Legislative Day Committee would like to give a special thanks to Kim Ciero, Dean Tony Manoguerra, Dean James Colbert, Dean David Adler, Dean Charles Daniels and Dean Palmer Taylor for their great support in executing the event.*

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### **A Successful Tzu-Chi Outreach By Binh Tran, Pharm.D.**

The Tzu-Chi Outreach at the Maie Ellis Elementary School in Fallbrook, (north of San Diego), on November 14, 20110 was very well-attended on a beautiful Sunday.

Groups of volunteer participants from different areas arrived at 8:30 a.m. From San Diego, riding with Dr. Ton and I were UCSD student pharmacists Chausa Nguyen and Sandy Wong. As we arrived at the site, we were met by two other students, Nick Vu, Nikki Pham, and Dr Chan Nguyen, DDS, a close friend of ours.

All were warmly greeted by Way Wang and Tenshang Joh, organizers from the Tzu-Chi San Diego office, Margaret Chang from the Tzu-Chi Chula Vista office, and other volunteers.

The main room where all the services were held was perfect in size, allowing convenient communication between the different stations. Dental services were done in the dental van by Dr. Nguyen, while the other dentists worked in the main room in proximity with the family practitioners, internal medicine specialists, optometrists and acupuncturists.

The pharmacy staffed by pharmacists Peter Lam from Sharp Memorial Hospital in San Diego and Binh Tran from the Asian Pacific Health Foundation was well-stocked with antibiotics and pain medications frequently ordered for dental patients. Doses were adequate for a 30-day supply of high blood pressure and diabetes medications.

From the 160 registered patients, 64 came to the pharmacy area to have 98 prescriptions filled with appropriate counseling by the student pharmacists. Before leaving at mid-day to study for the next day's exams, the students had the opportunity to watch Dr. Ton ask patients about their disease conditions.

At 2:30 PM, all services came to a close. Volunteers who stayed until the end received bags of fruits and tasty hot snacks as tokens of appreciation. For sure, the student pharmacists will want to come back for similar enriching experiences. Dentist Chan Nguyen also expressed his wish to help at the next outreaches.

Our warmest thanks to all the Tzu-Chi organizers and volunteers for a full day of rewarding outreach activities.



## “Students Showcase Summer Research Projects at Annual Poster Presentation”

By Brookie Best, Pharm.D.

This past summer, a record 27 student pharmacists from the Classes of 2012 and 2013 successfully competed for research project grants, awarded from multiple sources including Millenium Laboratories, Ardea Biosciences, the Skaggs Foundation, the NICHD T35 Predoctoral Training Grant in Maternal and Pediatric Pharmacology, and the CTRI Roadmap T32 Pre-doctoral Clinical Research Training Program. The students (see table below) presented their findings with great aplomb to UCSD Health Sciences deans, faculty, staff and students at the Annual Poster Session held on Thursday, January 6, 2011. Continuing the tradition of excellence, these students completed innovative projects with far-reaching impact that are advancing the field of pharmacy and pharmaceutical sciences. Not surprisingly, the findings from a number of these projects have been and are being presented at top-tier peer-reviewed scientific meetings. These include the American Society of Health-System Pharmacists 45<sup>th</sup> Midyear Clinical Meeting (Bordson), the Academy of Managed Care Pharmacy’s 23<sup>rd</sup> Annual Meeting and Showcase (Han), the 17<sup>th</sup> Napa Pain Conference (Barakat, Tse, Yee), PAINWeek’10: The National Conference on Pain for Frontline Practitioners (Barakat, Hughes, Leimanis, Tse, Yee), American Academy of Pain Medicine’s 27<sup>th</sup> Annual Meeting (Yee, Hughes, Tse, Barakat), Mass Spectrometry Applications to the Clinical Lab 3<sup>rd</sup> Annual Conference & Exhibits (Hughes, Tse, Barakat, Yee), and the American Pharmacists Association Annual Meeting & Exposition 2011 (Rettig). Further, please join me in congratulating Samantha Luk for winning one of the two UCSD Biomedical Library’s “Best Use of Literature” poster prizes. To learn more about these projects, please check the poster display cases on the 1<sup>st</sup> floor of PSB over the next few months.



Top: Pat Recinto, Stephanie Tse, Stephen Rettig, Brookie Best, Jack Yeung, Alex Engelmann Bottom: Samantha Luk, Christina Han, Jennifer Gin, Jiah Kim, Christina Yoon, Colleen Tu

Student	Primary Mentor	Project Title
Barakat, Neveen	Pesce, Amadeo	Pharmacokinetics and Metabolism of Hydrocodone in Pain Patients
Bordson, Sophie	Lee, Kelly	Comparison of Sociodemographic Factors and Adherence to Provider Visits between Patients with Depression and Substance Abuse Disorders and Those Without Co-Occurring Substance Abuse Disorders
Cho, Susan	Le, Jennifer	Effect of Vancomycin Exposure on Treatment Failure in Pediatric Patients with Infections Caused by Methicillin-resistant <i>Staphylococcus aureus</i>
Engelmann, Alex	Mandyam, Chitra	Therapeutic Effects of Voluntary Exercise on Compulsive Intake of Methamphetamine in a Rat Model of Methamphetamine Dependence
Giang, Kayla	Gustafsson, Asa	Characterization of the Pro-apoptotic Splice Variant Mcl-1s in Cardiac Myocytes
Gin, Jennifer	Nizet, Victor	Analysis of a Novel Factor of the Innate Immune Response during Bacterial Meningitis Infection
Han, Christina	Tran, Josephine	Cost-Effectiveness Analysis of Hyalgan versus Synvisc in the Treatment of Osteoarthritis
Ho, Son	Awdishu, Linda	Quantifying the Effects of Food on Oral Prednisone Bioavailability in Kidney Transplant Patients

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<b>Student</b>	<b>Primary Mentor</b>	<b>Project Title</b>
Hughes, Michelle	Pesce, Amadeo	Pharmacokinetics and Metabolism of Morphine in Pain Patients
Kim, Jiah	Spector, Debbie	Human Cytomegalovirus Infection Alters the Expression of Cellular Molecules Involved in Leukocyte Extravasation on the Aortic Endothelium
Leimanis, Edijs	Pesce, Amadeo	Pharmacokinetics and Metabolism of Methadone in Pain Patients
Luk, Samantha	Manchester, Marianne	Immunogenicity and Pharmacodynamics of HK97 Viral Nanoparticles <i>In Vivo</i>
Mapes, Chris	Wakeman, Joanna	Analysis of Preclinical Pharmacokinetic Profiles in Dogs for a New Chemical Entity
Moss, Mary	Best, Brookie	Comparison of Sertraline Metabolism with Concomitant Use of Antiretrovirals HIV-Infected Patients
Muus, Richard	Le, Jennifer	Nephrotoxicity Associated with Vancomycin Exposure in Pediatric Patients
Nguyen, Natalie	Le, Jennifer	Pharmacokinetics-Pharmacodynamics of Vancomycin in Children
Recinto, Patrick	Mandyam, Chitra	Does Withdrawal from Intravenous Methamphetamine Self-Administration Regulate Reduced Hippocampal Neurogenesis?
Rettig, Stephen	Hirsch, Jan	Medication Regimen Complexity in Patients with Uncontrolled Hypertension and/or Diabetes
Truong, Susan	DeRisi, Maria	HIV Screening: Assessing Adherence to CDC Recommendations in Clinical Practice
Tsang, Elaine	Quartarolo, Jennifer	Evaluating the Effect of Electronic Medication Reconciliation on the Rate of Medication History Errors at the Time of Hospital Admission
Tse, Stephanie	Pesce, Amadeo	Pharmacokinetics and Metabolism of Carisoprodol in Pain Patients
Wong, Tiffany	Sears, Dorothy	Validating Pathway Alterations in Protein Metabolism and Lipid Synthesis Induced by Thiazolidinedione Drugs
Yaktieen, Bayan	Sewer, Marion	1-Deoxysphinganine Induces CYP27B1 Transcription in MCF-7 Breast Cancer Cells
Yee, David	Pesce, Amadeo	Pharmacokinetics and Metabolism of Oxycodone in Pain Patients
Yeung, Jack	Best, Brookie	Comparison of Ritonavir Pharmacokinetics during Pregnancy and Postpartum
Yoon, Christina	Eckmann, Lars	Development of novel 5-nitroimidazole antibiotics with Increased Selectivity Against <i>Clostridium difficile</i>
Yuan, Clara	Mandyam, Chitra	Dysregulation of the Development of Hippocampal Neural Progenitors May Underlie the Transition from Limited to Compulsive Methamphetamine Use

## BioMedical Library

UCSD

Biomedical Library (BML)

9500 Gilman Drive 0699  
La Jolla, California  
92093-0699

Sue McGuinness, Ph.D *Pharmacy Librarian*

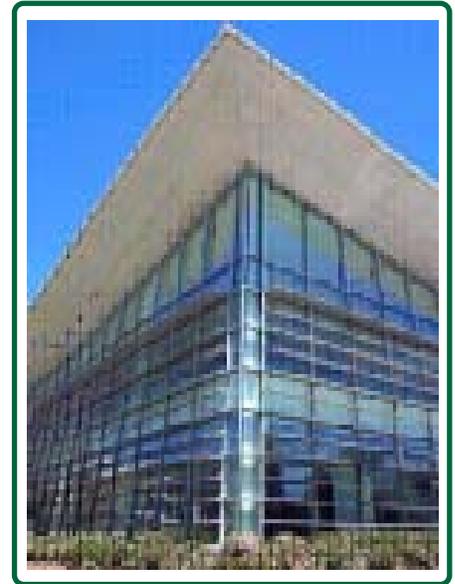
smcguinness@ucsd.edu  
(858) 822-4656

Email Reference Service:

biomed@ucsd.edu

*Visit the library website for hours:*

*<http://scilib.ucsd.edu/bml/>*



**FOUNDER'S DAY**  
UCSD celebrated its 50th birthday  
celebrating November 18-20, 2010

Leading the way, Dr. Palmer Taylor, followed by Drs. David Adler, Vivian Hook, Bill Gerwick, Candis Morello and Brookie Best.



*Photos provided by Ann Lischer*