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Interactions 2011

Thomas J. Long School of Pharmacy and Health Sciences

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INTERACTIONS

2010-2011

A Publication of the Thomas J. Long School of Pharmacy and Health Sciences



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2010-2011

A Publication of the Thomas J. Long School of Pharmacy and Health Sciences

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SERVICE • SCIENCE • SCHOLARSHIP

The Thomas J. Long School of Pharmacy and Health Sciences' faculty and staff consistently strive to fulfill our mission of producing highly competent and practice ready professionals. Our continual goal is to assure the optimal preparation of our students for current and future practice, and ultimately to improve the health care outcomes of the patients and populations that they serve. This issue of *Interactions* is focused on sharing our student and faculty scholarship aimed at achieving that mission.

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DEAR ALUMNI AND FRIENDS,

Phillip R. Oppenheimer

DEAN'S MESSAGE



In the past decade, much has been said and written about “innovation.” Yet innovation lacks a commonly accepted definition. Often, innovation is equated with change, but I believe that change is only one of many aspects of innovation, and quite a simplistic view.

I tend to favor the idea that innovation is an intentional act, initiating a shift in the status quo in a way that can be sustained and brings value to those it impacts. It is this brand of purposeful innovation that we are cultivating here at the Thomas J. Long School of Pharmacy and Health Sciences. I am pleased to present some of the School's innovations to you.

This fall, doctor of pharmacy students who have completed all six semesters of their coursework in our revised curriculum will enter their clerkships. We will be asking our preceptors to assist us in assessing the impact of our curricular changes on the advanced practice skills of our students. This will provide us with a way of assessing our curricular innovations in the education of our future pharmacists. Our intention is to better prepare our students for their experiential learning and ultimately their career as pharmacists; this is our opportunity to assess the impact of the new curriculum on that goal. More than half a dozen of

our pharmacy practice faculty have presented papers on Pacific's curricular innovations at the American Association of Colleges of Pharmacy (AACP) conferences this year, confirming the value of these changes to the future of the pharmacy profession.

Our speech-language pathology program is setting an unparalleled precedent for undergraduate patient care experiential learning opportunities, surpassing all other programs in the nation. With the addition of a research course to our graduate speech-language pathology curriculum our students are complementing their clinical skills with a deeper understanding. Students have presented their research at state and national meetings, and their travel is funded through grants supported by our alumni. We are encouraging the desire to innovate in the next generation of practitioners and our alumni are supporting the resulting contributions to the profession.

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Last fall, our doctor of physical therapy program hosted a reaccreditation site team visit from the American Physical Therapy Association. Their full, 10-year reaccreditation is a testament to the excellence of the program's faculty, facilities, students, alumni, and staff. The fact that our alumni are considered preferred practitioners in the greater Stockton area is the result of the physical therapy faculty's commitment to incorporating new teaching methods and clinical experiences into their curriculum and activities. Faculty are both educators and innovators. This commitment to innovation is reflected in our students who are finding new ways to improve the quality of life and therapy outcomes for their patients.

Our faculty and students conduct and present research at state and national conferences. In addition to the numerous papers and presentations related to the new doctor of pharmacy curriculum by pharmacy practice faculty, Drs. **Rajul Patel, '01, '06** and **Mark Walberg, '06, '09** along with several students have been recognized for their research on Medicare Part D. Dr. Walberg will be presenting this research at the American Public Health Association's Annual Meeting and Exposition this winter. Their podium presentation is the first at this meeting for the School. They were also invited as presenters to the International Society for Pharmacoeconomics and Outcomes Research 16th Annual Meeting.

Dr. **Todd Davenport** was recognized by the California Physical Therapy Association with an Outstanding Publication award for his research *Conceptual Model for Physical Therapist Management of Chronic Fatigue Syndrome/Myalgic Encephalomyelitis* conducted in association with Dr. **Tamara Little '08** and faculty from Pacific's sports sciences department. Pharmacy student **Daniel Huynh '13** was recently named one of 27 recipients of the American Association for Cancer Research Center's Thomas J. Bardos Science Education Award for Undergraduate Studies for his research on anti-cancer stem cell activity, representing the School in April with a poster presentation at their annual meeting.

Faculty and alumni are leaders in organizations and serve as journal editors contributing to the advancement of their professions. During this last year Dr. **Bill Kehoe '96**, chair of our pharmacy practice department was president of the American College of Clinical Pharmacy. This national organization is composed of some of the finest pharmacy clinicians in the nation, if not the world. As President, Dr. Kehoe spent much of the last year traveling to various meetings and programs providing leadership; representing not only himself, but the School and University very well. Additionally, we are honored to boast an unprecedented number of alumni serving on the American Pharmacists Association Board of Trustees with **Lawrence Brown '99, Mike Pavlovich '89, and Clark Gustafson '66** all serving simultaneously. Dr. **Sandra Bellamy '93, '99, '03** is the Regional Director of the Pediatric Section of the American Physical Therapy Association and Dr. Tamara Little serves as Chair of the Standards Committee of the American Academy of Orthopedic and Manual Physical Therapists both representing the School in elected positions. Dr. **Jeannene Ward-Lonergan** has been named the Associate Editor for *Language, Speech, and Hearing Services in Schools Journal* and Dr. **Michael Susca** was appointed as the Commissioner on Legislation for the California Speech-Language-Hearing Association.

Faculty, students and alumni are leaving their mark on communities throughout the world, improving healthcare and patient experiences. Dr. **Cathy Peterson** was awarded a Fullbright grant to teach and conduct research in Malawi this winter. The doctor of physical therapy program continues to partner with Rotary International to support wheelchair distribution missions organized with support from Equip Kids and Hope Haven International providing wheelchair customization and fitting to adults and children in third-world countries. Last year, two student physical therapists visited Guatemala, Mexico. In January, 29 students from the doctor of pharmacy

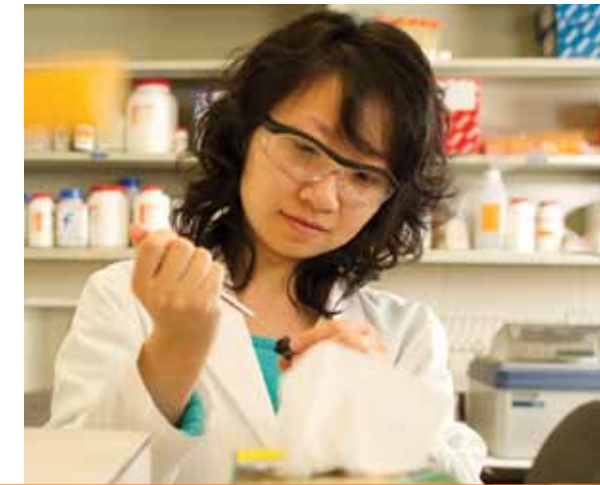
program participated in a Cultural Exchange Program with China, aimed at acquainting pharmacy students with Traditional Chinese Medicine and the differences in the pharmacy curriculum.

Closer to home, under the leadership of Dr. **Don Floriddia '71**, Associate Dean for Student and Professional Affairs, Pacific's American Pharmacists Association Academy of Student Pharmacists (APhA-ASP) was named the Innovative Chapter of the Year during the Association's annual meeting in March. This is the second consecutive year our student pharmacists have earned this recognition for their implementation of innovative programs that serve the healthcare needs of the community.

With the addition of our Introductory Pharmacy Practice Experience (IPPE) requirement, implemented in the revised doctor of pharmacy curriculum, we are bridging an important gap for our students as it relates to practical experience. Since our accelerated program is year-round, it limits free time during the summer to pursue opportunities for professional experiences in the pharmacy setting. The IPPE requirements include 300 hours of combined experience in hospital, community and geriatric pharmacy settings in addition to 35 hours of community outreach. This expanded IPPE program allows our students to apply what they are learning in the classroom and better prepares them for their clerkships in the third year. As a result, each year our students are providing more than 7,000 hours of voluntary care for patients through health fairs and screening events, often partnering with physical therapy and speech-language pathology students to expand their services. It has been a tremendous commitment on the part of the School and University to transition what was previously an extra-curricular activity to co-curricular. In doing so, we are meeting our accreditation guidelines and providing students valuable patient care experiences while demonstrating leadership within the University as a vital part of President Eibek's Beyond the Gates initiative.

Our dedication to innovation can also be seen in our evolving communications with the many members of our Pacific Family. The redesigned *Interactions* magazine you are holding is not the only way our outreach efforts have improved and expanded under the leadership of Dr. **Nancy DeGuire '89, Sarah Higgins** and the External Relations team. The increased placement of our School and student outreach events in the media allows us to better serve the community while raising the School's profile in the region. We produce a quarterly e-newsletter and recently launched an alumni Facebook site along with my very own blog. I hope you'll join me at pacificpahsalum.org, I'd be interested in having you respond. Yes, we are taking the plunge into social networking.

All four of our programs continue to enjoy record breaking applicant pools. Our speech-language pathology program had the highest applicant pool in the history of the program. The doctor of physical therapy program saw their highest applicant pool in more than a decade, for the second



Leadership, by nature, is always focused on creating an improved future. In this way, innovation and leadership are closely related. At the School, our faculty, alumni and student leaders are necessarily innovators. They are not spectators of the "way it has always been done." It is their dissatisfaction with the status quo that motivates their desire to improve the professions they serve.

consecutive year. Despite a number of new pharmacy schools opening recently, we continue to rank among the highest in the state and nation for applications to both our doctor of pharmacy and pre-health programs. Additionally, the doctor of philosophy program had the highest applicant pool in the last five years.

With a visit from the American Speech-Language-Hearing Association reaccreditation site team expected in October, all three of our programs will have been reviewed in the last 18 months. I have no doubt that our speech-language pathology program will be successful. While these visits are stressful and tedious, they are a perfect venue for highlighting the exceptional education our students receive from the dedicated faculty in our programs.

In this issue of *Interactions* you will find an article featuring our basic science research. While we often speak of our programs with a focus on clinical and professional research it is important to recognize that innovation and leadership at the School are not limited to those fields. The faculty and students conducting basic science research are recognized experts in their fields, are published regularly, obtain grants, and have active labs with graduate students. Dr. **Xiaoling Li** was appointed to Fellow status in the American Association of Pharmaceutical Scientists, the second professor at the School to be recognized as a Fellow. Dr. Li's well deserved recognition places Pacific within a select group of universities with multiple Fellows. This honor recognizes researchers for outstanding contributions that elevate the stature of the pharmaceutical sciences and for professional excellence.

I consider innovating to be a primary characteristic of leadership. In this issue of *Interactions* I'm sure you will find many examples of leadership as an outcome of innovation as we shine the spotlight on our faculty, students and alumni. I hope you'll accept my invitation to join us on my blog, our Facebook site or through one of the many channels of communication we have available today to reconnect with your Pacific Family.

Warm regards,



Phillip R. Oppenheimer
Dean
Thomas J. Long School of
Pharmacy and Health Sciences

STUDENT SCHOLARSHIP RECIPIENTS



Melissa Kuo '12
Awarded the Sixties Alumni Memorial Pharmacy Endowed Scholarship

Pharmacy school is a huge financial investment in my future. Especially with the increasing cost of tuition, books and fees, it means so much to me that I am able to attend a school with such generous alumni who donate back to the institution to help me not only fund the academic portion, but also make it possible for me to attend conferences and other events. I hope to continue this trend when I graduate in 2012.



Janell Miller '11
Awarded the Pacific Pharmacy Alumni Association Award

I was delighted to receive this scholarship. It is an honor to be recognized for what I have accomplished while attending Pacific. The Alumni Scholarship will help me immensely this coming year while I am on rotations, allowing me more time to focus on my education. Currently, I plan to work in a community pharmacy where I will continue to have close relationships with my patients. The broadening acceptance and opportunity to integrate medication management into the retail setting is very exciting to me. My passion is compounding pharmacy and someday I hope to further my career in that field. I simply cannot thank the Pacific Pharmacy Alumni Association enough for their support. Giving back to your Pacific Family is a magnanimous gesture. Thank you.



Hassan Shallal '11
Awarded Pacific Pharmacy Alumni Association Travel Award

I would love to take this opportunity to thank the sponsors of the Pacific Pharmacy Alumni Association Travel Award for supporting this Award. As one of this year's recipients, I am grateful for the opportunities this award will provide me. This award helped to finance my travel to present my research at the 2nd Annual Drug Discovery Partnership Conference in Philadelphia, Pennsylvania in August 2010. As a PhD candidate studying drug discovery, this was an amazing opportunity to network and learn from both academic and industry-leading scientists. Receiving this prestigious award represents a great point of pride on my resumé and absolutely motivates me to continue to pursue my academic goals in both the short- and the long-term.

SCHOLARSHIP IS A TERM we are all familiar with. The most common understanding in the student and alumni communities is the more traditional definition of scholarship: *the monetary support awarded to a student based on need, merit, or special selection, in order to aid in the pursuit of education.* This is perhaps the most critical definition to those of us who spend our professional lives touting the benefits of education and the merits of donating money to support our future professionals.

However, expanding our understanding of *scholarship* and its meaning, beyond the financial implications, can be done by examining its root word, "scholar" in relation to teaching and learning at Pacific. Student and faculty scholars are found in every discipline and form teams for the purpose of developing ongoing intellectual engagement in their subjects through literature review and publishing, conducting research in basic and applied sciences, and engaging in relevant professional practice in clinical forums.

What does this mean for our students and faculty as "scholars in their disciplines"? It means that they will continue to be informed of and contribute to the knowledge and practice in their areas of study. As teachers, they will focus on providing the most current information to their pupils, whether patients, students, or both.

*How Scholarship
Transforms Learning
and Our Professions*

**BEYOND
DOLLARS
AND CENTS**



Nancy DeGuire '89, PharmD, Assistant Dean for External Relations

DEVELOPMENT

Students and faculty are continually engaged in critical thinking and they work together to support the ongoing development of appropriate teaching practices and learning outcomes. In the health sciences, because of our reliance on the "apprenticeship" model, students become teachers immediately upon graduating. They teach student practitioners, patients and caregivers, and other professionals in their disciplines.

Scholarship, when we think beyond the dollars and cents, means *the acquisition and dissemination of knowledge.* What does this kind of *scholarship* look like today at the Thomas J. Long School of Pharmacy and Health Sciences? Your giving goes well beyond dollars and cents... with the help of alumni and friends, who generously give their time, networks, talent, AND dollars, we are able to secure the brightest of students, give them the most cutting-edge classroom and clinical experiences, place them in careers where they will help thousands of patients and teach the next generation, and provide them with professional networking of the highest quality. All that you give adds to the sum total of what we are able to achieve. What we achieve as a school is your shared achievement as engaged, involved alumni and friends.

Scholarship and research are essential underpinnings to a successful University's production of schooled, responsible citizens and knowledge in our disciplines. Scholarship aids the students and faculty in obtaining opportunities to acquire and disseminate knowledge. Examples of this kind of *scholarship* are noted by our students Melissa Kuo, Janell Miller, and Hassan Shallal [at left].

Alumni and friends, we are grateful for all that you give in time, talent, networks, and dollars that aid our students and faculty in the pursuit of scholarship. We invite you to visit our campus and see scholarship in action... come home to Pacific and experience the pride of our students, faculty, and alumni. 🐾

Basic Medical Research: A Partnership for the Future

PROMISE

By Sarah Higgins

THE BASIC SCIENCE RESEARCHERS at the Thomas J. Long School of Pharmacy and Health Sciences are doing outstanding research investigating the fundamentals of disease processes and treatments. Medically-related basic science research is the cornerstone of development of treatments that lead to effective healthcare outcomes. It is in the spirit of our potential for future innovations that our faculty dedicate themselves to the painstaking and industrious research conducted here in our labs.

“Basic science research improves clinical science and health care by improving our understanding of the biology and physiological basis of the human body,” **David Thomas**, PhD, Associate Professor of Physiology and Pharmacology tells us. His research is focused on learning more about how the complex calcium signaling pathways function in neurons and immune cells, and thus may cause disorders of the nervous and immune systems. Recently, he has made important progress characterizing specific calcium signaling pathways that may be linked to defects in sensory neuron function responsible for chronic neuropathic pain and some forms of neurodegeneration.

Timothy Smith, RPh, PhD, Professor and Chair of the Physiology and Pharmacology Department believes that basic medical research provides innovative insight into health problems; an insight that does not immediately provide health care solutions, but provides clarity to resolve them. His laboratory serves as a collaborative center for several areas of research. A group of pharmacy students working in Dr. Smith’s laboratory have developed a polymer formulation of polysalicylates that may provide the basis for chemoprophylaxis of HIV and potentially other therapeutic applications.

“At Pacific, several critical areas of research are being addressed, which gives our students a foundation from which to appreciate specialization in scientific work that makes the breadth of pharmacy practice possible,” says Dr. Smith.

Investing in future medical solutions through basic science research is critical. **Robert Halliwell**, PhD, Professor of Physiology and Pharmacology is investigating new pharmacotherapy for neurological disorders. He explains that, “Without basic medical re-

search, there are no new medicines. Currently, it is estimated that to get a new drug from discovery to patient availability takes 12 to 15 years of research, including three to five years of pre-clinical research. It is not getting any easier or faster to develop new medicines.”

Katerina Venderova, PharmD, PhD, Assistant Professor of Physiology and Pharmacology agrees with Dr. Halliwell, “There is no advancement in medicine without thousands of hours spent at the bench doing basic research.”

In her lab, Dr. Venderova is searching for a better treatment of Parkinson’s disease through research in genetics and cellular processes. A better understanding of the molecular pathways involved in this deleterious process would help scientists design a more effective and causative treatment. To do this, she and her colleagues have generated a new transgenic model of Parkinson’s disease and share advanced genetic tools developed by our collaborators from prestigious institutions.

“Doing biomedical research is part of our mission and obligation as healthcare professionals to provide the best possible patient care. We cannot say we are providing the best treatment for our patients if we don’t invest in basic research,” says Dr. Venderova.

We have several very active research laboratories working on some of the major pathological conditions confronting the human population including cancer, diabetes and neurodegeneration. A few examples of the research being conducted at the School include:

Bhaskara Jasti '95, PhD, Professor of Pharmaceutics and Chair of the Pharmaceutics and Medicinal Chemistry along with **Xiaoling Li**, PhD, Professor of Pharmaceutics and Associate Dean for Graduate Education and Research are focused on the design and development of novel drug delivery systems for time- and site-controlled delivery.

New faculty member **Mamoun Alhamadshah**, BPharm, PhD, Assistant Professor of Pharmaceutics and Medicinal Chemistry is conducting research on Alzheimer’s disease that could lead to new therapies.

William Chan, PharmD, PhD, Professor of Medicinal Chemistry is seeking to discover new mechanisms for cancer treatment.

Jesika Faridi, PhD, Assistant Professor of Physiology and Pharmacology is focused on uncovering how to successfully treat breast cancer by isolating the genes and proteins that make it deadly.



At Pacific our basic science researchers are seeking the solutions to diseases that have plagued humankind for centuries. Their research offers the promise of a brighter future.

John Livesey, PhD, Associate Professor of Physiology and Pharmacology is seeking a safe and effective inhibitor of cancer cell metastasis that would prevent much of the suffering due to the spreading of pre- or early-stage cancers.

Roshanak Rahimian, PhD, Associate Professor of Physiology and Pharmacology is exploring how the cardiovascular complications of diabetes affect women differently than men.

Wade Russu, PhD, Assistant Professor of Pharmaceutics and Medicinal Chemistry, is conducting research focused on the design and discovery of drug molecules that will be effective in treating patients with cancer and the identification of new molecular targets or strategies for such treatment.

“Basic research continues to clarify physiological processes with increasing cellular and molecular detail, enabling the conception of novel approaches for corrective intervention of the major human pathologies such as cancer, diabetes, immune dysfunction and neurodegeneration,” concludes Dr. Thomas. 🐾

BEYOND THE BOOKS

By Dua Mona '09

A SIGNIFICANT PORTION of our students' preparation to become competent and successful practitioners occurs within the walls of a classroom, clinic or experiential learning site. In addition to their academic endeavors, many students are involved in professional organizations, fraternities and clubs, where they further their education and polish their skills. For most, academic, curricular experiential learning and extracurricular programs are still not all they do on their paths to becoming professionals.



JOHN MULDER '13 DOCTOR OF PHARMACY

On April 28, 2011, the University Innovation Grant Committee announced the recipients of the Innovation Grant Fund to honor proposals which create change that has a positive effect on student learning, service, or organizational performance. One of the 20 recipients was **John Mulder '13** for his proposal "Health Literacy Bridge." Mulder's proposal calls for "Using artificial intelligence and education to bridge the health literacy gap and improve patient outcomes in diverse communities."

PHARMACY

Mulder received his bachelor of science in biochemistry from University of California, Davis and is currently a first year student in the doctor of pharmacy program. After initially working several years in basic research, he had the unique opportunity to join several engineering colleagues at a start-up company in the Silicon Valley. This sparked his interest in integrating emerging technologies with the field of pharmacy.

During difficult economic times like these, patients are seeking low-cost non-prescription products for self-treatment in lieu of visiting a doctor. "When used correctly, non-prescription products offer effective self-treatment options; if used incorrectly, non-prescription products may put vulnerable groups such as small children and the elderly, who are on multiple medications, at greater risk of worsening health problems," said Mulder.

Mulder, with the guidance of faculty advisor Dr. **Suzanne Galal**, will use his grant to conduct a pilot study to investigate the effectiveness of a unique technology-based patient education intervention for self-treatment. If designed properly, the system can perform "intelligent" tasks similar to those performed by a pharmacist, informing patients about non-prescription product usage.

This system will run on an Artificial Neural Network (ANN), a powerful technology that is able to capture and represent complex input/output relationships. Once the patient has identified his symptoms, the system generates recommended treatment options based on the knowledge. Mulder is also taking it to the next level by designing the device to offer multiple languages according to patients' preferences, as well as ensuring a standard minimal grade four reading level.

Mulder hopes the enhanced accessibility of the kiosk-based non-prescription device will improve patients' ability to understand, communicate and use health information to make smarter self-treatment choices when purchasing non-prescription medications. In addition, he hopes the device will serve as a viable educational resource

and tool for the School for non-prescription counseling, training and outreach events and health fairs. Mulder is currently in the process of submitting the non-prescription device and methodology for patenting.

As a recipient of this grant, he will be participating in the Innovation Learning Community (ILC) over the next year to support future grant recipients and their innovations. Mulder will be completing his study later this year and plans to make a final report presentation in April 2012. 🐾



DANIEL LIEU '13 DOCTOR OF PHARMACY

Two years ago when **Daniel Lieu '13** and his father came up with the idea to produce the video titled "Hands," their goal was to use it as a resource to prevent infectious diseases at their local hospital in San Diego. Lieu didn't know it would make him the grand prize winner of the Association for Professionals in Infection Control and Epidemiology (APIC) 2011 Film Festival.

APIC's mission is to improve health and patient safety by reducing risks of infection and other adverse outcomes. The Association's more than 13,000 members are primarily responsible for infection prevention, control and hospital epidemiology in healthcare settings around the globe.

"It's humbling to be recognized. It's meaningful to me because the opportunities I had growing up are making a positive impact," said Lieu. Lieu, who is no stranger to having a talent – he plays the piano, guitar, drums, and violin – was responsible for creating the beat to the lyrics and video editing.

In July 2009, Lieu's father was head of infection prevention and control and came to Lieu about creating a video on how hand washing is important and how it can prevent infectious diseases from spreading. They weren't quite sure how to start but things fell into place when Lieu met with his friend Alex who would create the lyrics for the video. Soon enough Lieu was able to organize a team of nine people to create his award-winning video "Hands."

"He came to me for healing, but he's only getting sicker. He came to me for life, but now he dies quicker" starts the video. The video then takes the audience through the lens of the disease, the doctor, and finally to the patient.

The video was shown as part of the Opening Plenary Session at the APIC 2011 Annual Conference on Monday, June 27. It was played as part of the APIC Film Festival Monday, June 27 – Wednesday, June 29 and eligible for the People's Choice Award, voted on by festival attendees.

As the grand prize winner, Lieu received one complimentary full conference registration and his dad attended as his representative. Lieu chose to stay to attend his classes.

To view the video "Hands" visit <http://tinyurl.com/phsmag>. 🐾

MARY XIONG '10, '11 MASTER OF SCIENCE

Having earned her bachelor of science in speech-language pathology here at Pacific, **Mary Xiong '10, '11** was excited to continue her education in the master's degree program at the School. Xiong identified that there was limited research in her field on the Hmong language, so while preparing for her graduate studies she did some research of her own. Her research, "Earliest Words Produced and Understood by Bilingual Hmong/English Speaking Infants/Toddlers" will help clinicians choose specific words for assessment and therapy.



SPEECH-LANGUAGE PATHOLOGY

At Pacific, Xiong held many leadership roles including Vice President of the National Student Speech-Hearing Language Association (NSSHLA), President of the Hmong Student Association, and currently serves as Historian representing the graduate students of NSSHLA.

Today Xiong continues to make significant contributions to her profession and to serve as a distinguished student in her program. She has made poster presentations at the Gender, Race, and Space Student Conference hosted by Pacific's Ethnic Studies Department; the California Speech-Hearing Language Association (CSHA) Annual Conference; and at Pacific's Benerd School of Education reaccreditation visit by the Western Accreditation of Schools and Colleges (WASC).

"What makes me so passionate about speech-language pathology is that there is so much I can do in this field to help patients of all ages with their communication. Communication is a big part of our lives and I want to be able to make a difference that enables everyone to have a voice," said Xiong.

In April, Xiong completed an internship at Fillmore Elementary School working with a caseload of 40 students with various disorders including intellectual and developmental disabilities, autism, and cleft palate. At the same time she provided speech therapy for clients at the Scottish Rite Childhood Language Disorder Center as a Graduate Clinician. Her clients included children with articulation, expressive and receptive language disorder and autism spectrum in the area of pragmatics.

Xiong will be doing her clinical externship at Providence Hospital in Portland, Oregon and will be earning her master of science in speech-language pathology in December. 🐾



**SHIREN ASSALY '11 AND GARRETT NORRIS '11
DOCTOR OF PHYSICAL THERAPY**

When **Shiren Assaly '11** and **Garrett Norris '11** were given an opportunity to take part in the Rotary Wheelchair Distribution in Peru, they had more than a few reasons to say yes.

PHYSICAL THERAPY

"I went there to help others live a better life, little did I know that they would change my life in such a positive and inspirational way," said Assaly. "This mission was a good way to learn more about physical therapy and at the same time it gave me a chance to see Peru," added Norris.

The wheelchair distribution missions are organized through a partnership with the Department of Physical Therapy and Rotary International with support from Equip Kids and Hope Haven International which work to provide wheelchair customization and fitting to adults and children in third-world countries such as Peru.

Assaly and Norris spent much of their time in Peru at the Clinica San Juan De Dios, both in Cuzco and Chiclayo, supporting the wheelchair distribution mission. Their responsibilities included evaluating the individuals' condition and taking measurements to assess head support, lateral trunk support, seat depth, and tilt angles to make sure the individuals were well-fitted.

Prior to leaving for the trip, Assaly and Norris met with Pacific faculty members to gain a better understanding of the cultural differences. The students also took lessons in Spanish, which is one of the main languages in Peru, to help improve their communication skills abroad.

For the student physical therapists, taking lessons in Spanish was just the first step in breaking the barrier when working with their patients. Norris recalled a moment when he set himself up as a target in order to encourage his patient to use his arm to push himself in the wheelchair. "Sometimes all it takes is playing games to motivate the patient to perform at his full potential while in the wheelchair. It was a lot of fun," commented Norris.

While Assaly and Norris had hoped to educate their patients about how important a well-fitted wheelchair is and the usability of the wheelchair, they were also taking lessons from their patients.

"The people I met throughout my experiences taught me life lessons in compassion, adversity and determination. The strength and courage of the Peruvian people has shown me the importance of working hard and always believing in myself," says Assaly. "I learned not take anything for granted. We are all extremely lucky to be where we are and to have healthy lives. Not everywhere in the world is like the U.S.," Norris added.

The school provides a number of experiences such as this one, and the students enjoy them. Assaly and Norris hope that many student physical therapists will follow in their footsteps.

"It is a learning experience that will allow the students to enhance their knowledge, share in a once-in-a-lifetime opportunity, and make a difference in the world of others," they agreed. 🐾



PHYSIOLOGY & PHARMACOLOGY

HEALTHWISE

Nancy Du '13, Elizabeth Glinka '12 and Annie Ho '12 participate in a program that places doctor of pharmacy students in elementary school classrooms throughout San Joaquin County where they are teaching students about immunizations and controlling the spread of diseases. Glinka and Ho had the opportunity to help judge the San Joaquin County Science Fair grades K-12 through their involvement with HealthWISE. 🐾

In addition to their participation in the classroom, **Roma Bhandarkar '12** and **Zeenal Patel '12** presented at Dinner with a Scientist on the University of the Pacific campus, an event that brings sixth grade students and teachers together with leading local scientists. Bhandarkar and Patel were also selected to speak with a group of teachers, relating the importance of understanding chemistry in their chosen profession—pharmacy—as part of a continuing education program offered by University of the Pacific.

Students do not choose our programs to learn solely within the confines of our campus; they come to be part of the greater professional community they will someday join as practitioners. Scholarship outside of the classroom allows them to learn first-hand about the people, cultures, and the society they will serve. It provides an opportunity to apply all of the knowledge and skills learned in the classroom and clinic to real life; teaches leadership and often helps to shape their future. Extracurricular activities allow students the opportunity to understand the importance of service to others as a fundamental aspect of being a healthcare practitioner. 🐾



OUTREACH

Experiential Learning Programs

**A HANDS-ON
EDUCATION**

*By Sarah Higgins,
Dua Moua '09 and Jenifer Flora*

Student learning is facilitated by their interactions with patients. Whether experiential learning occurs at a health fair, community outreach event or while on a clinical internship these opportunities provide future healthcare professionals with a friendly environment to refine their clinical skills.

"Clinical experience is where a student develops into a professional by incorporating the knowledge and skills learned in their classes with real patients to improve communication skills," explains **Robert Hanyak '79**, AuD, CCC-A, Chair of the Department of Speech-Language Pathology. "Clinical experience is the hallmark of the Pacific Speech-Language Pathology program."

While on campus students from all three programs host a variety of events in the community. Health fairs, screenings and outreach events provide underserved populations with resources not otherwise available. Patients are made aware of existing or potential health problems and are directed on how to seek care.

"Members of the community are excited when our students share their specialized knowledge," comments **Todd Davenport**, DPT, OCS an Assistant Professor of Physical Therapy. "They walk away from outreach activities more aware of how movement and activity are important to their lives."

In addition to the benefit to the community, students benefit professionally from their participation in these community service experiential learning programs. **Veronica Bandy '00**, PharmD, FCSHP, FCPhA, Director of the Introductory Pharmacy Practice Experience (IPPE) program explains, "Students are able to give back professionally to the community and are making

connections with other healthcare providers." She also feels these events allow students to expand their professional network, "Relationships with practicing pharmacists are formed and strengthened in this environment."

Speech-language pathology students taking the Fluency Disorders class from **Michael Susca**, PhD, CCC-SLP, BRS-FD, Associate Professor, are required to complete an assignment where they must stutter on purpose in a minimum of 10 social conditions. The stutter must be of varying severity and context. The intention is to provide the students with specific insight in the experience of being a person with a stutter. "These experiences provide students with first-hand perspective by allowing them to 'walk and talk' in the shoes of a person who stutters," says Dr. Susca.

These early experiences allow students to practice and perfect the skills they will use while completing their internships and ultimately as practitioners. **Joseph Woelfel '70, '72, '78**, PhD, FASCP, RPh, an Assistant Professor of Pharmacy Practice and Director of Pharmaceutical Care Clinics at the School is a strong proponent of the lessons students learn in the real life practice setting. "They are valuable, effective learning experiences that complement a student's cognitive and psychomotor skills and overall learning outcomes."

These early experiences allow students to practice and perfect the skills they will use while completing their internships and ultimately as practitioners.



Ted Ly '10, '11 loves to sing karaoke and enjoys listening to a wide variety of music including American alternative and hip-hop, Vietnamese, and Chinese songs. He is a Stockton native and plans to stay in Stockton and give back to his community as a professional speech-language pathologist.

**TED LY '10, '11
MASTER OF SCIENCE, SPEECH-LANGUAGE PATHOLOGY CANDIDATE**

Ted Ly '10, '11 enjoys the opportunity to apply what he learns in the classroom to helping his patients. As a student clinician at the Pacific Speech and Hearing Center on campus his patients are a mixture of adults and children. He is responsible for providing aphasia/verbal apraxia treatment and hearing screenings. Ly also completed a public school internship at John Adams Elementary and Pulliam Elementary School providing students with speech, language, fluency, and pragmatics treatment. He also worked with 10 students diagnosed with Autism Spectrum Disorders.

On a patient's first visit, Ly makes an assessment of their condition and works with them to develop goals. Throughout the clinical visits, he provides treatment to the patient using different methods including relay races, basketball, and board games to encourage learning and growth.

"My most recent client had difficulty with expressing emotion via facial features and stress, prosody and strength in his voice. We chose

one specific emotion to work towards for the semester for maximal practice and exposure. We decided on 'excitement' because it would be the most visual to teach. So every day, I would think of different races or competitive scenarios where he could exclaim various phrases such as 'I won!', 'I did it!' The client really enjoyed this because it was interactive, engaging and different every session," said Ly.

At the end of each clinical treatment and observation, Ly makes recommendations to his patients and discusses their progress. In the past, he has been able to dismiss the patient from clinical visits, develop more goals to help increase, or make outside referrals. As a student clinician, all of his work including the assessments, treatments, and recommendations are made under the guidance of his clinical supervisor.

"I really enjoy getting to know each of my patients and being creative in breaking the barrier which can be challenging sometimes," commented Ly. 🐾

**BRYAN VAN VLIET '11
PHYSICAL THERAPY CANDIDATE**

As a student in the Doctor of Physical Therapy program Bryan Van Vliet '11 is an intern at Andersen Physical Therapy Clinic in Modesto. Van Vliet sees anywhere from two to three new patients a day as well as intermittent follow-up sessions with approximately 15 existing patients. His patients span from post-operation rehabilitation to simply being referred with back and/or neck pain.

He is also responsible for diagnosing patients that are sent to him with no background reasons for their pain. In many cases, his Clinical Instructor, Jon Andersen, PT, DPT, OCS, FAAOMPT asks him to suggest three possible diagnoses—a challenging task while focusing on the patient, exercises and bedside manner.

"Many students can come up with two diagnoses then the third is the hardest," said Dr. Anderson.

If the patient has come from surgery the treatments are a little more straightforward. If the patient simply has pain then Van Vliet might be able to gather some initial information from the patient questionnaire, but he gets most of his information from interviewing the patient. He asks questions about where

it hurts and what activities or motions cause the pain. He then will gather measurements of extensions and bending which is combined with stretching and some force in order to gather necessary information.

"The reason I went into physical therapy was to help people and I hope that I can show them my love for God through my work. I hope that's true in every area of my life," said Van Vliet.

Once Van Vliet has established a sense for the patient's needs he begins developing exercises that focus on the problem areas. He does this with the patient to "try it on for size." Once he's comfortable with a selection of the exercises that he has walked the patient through, he will develop a program for home use. He also takes the time to explain the exercises to the patients so they understand. The patient will be responsible to continue with the exercises at home with hope of improvement upon

return. He often refers back to notes from classes on his laptop which he keeps tucked away in an office for easy access. Van Vliet is also expected to develop future exercise programs so when the patient returns an aide can be ready to get that patient started.

Van Vliet is not only responsible to focus on the current patient's end goal of a diagnosis and treatment to reduce the pain, but he has to focus on his communication with the patient. He also has to have a vast knowledge of the body as well as an ability to deduce the problems based on what can sometimes be a very lacking description of the patient's pain.

"I never would have known he was a student had he not told me. He's patient, kind and very knowledgeable," shared a beaming patient. 🐾

In his free time Bryan Van Vliet '11 and four friends enjoy brewing beer and would like to open a small pub. Professionally, he looks forward to more specialization in manual therapy and watching the progress he can make working with a patient with back and/or neck pain. He's hoping that he'll find an outpatient orthopedic clinic where he can start practicing.



Real practice experience could not be replicated in the classroom; it is a valuable component of the preparation of future professionals.

Robert Hanyak '79, AuD, CCC-A
Chair of the Department of Speech-Language Pathology

SETH GOMEZ '13
DOCTOR OF PHARMACY CANDIDATE

A first year student in the Doctor of Pharmacy program, **Seth Gomez '13** is in his second community pharmacy IPPE internship. He is enjoying his placement at the Manteca Target where his preceptor, **Ed Larimer '69**, PharmD, has created a very positive coaching environment. Gomez not only assists in filling prescriptions but also has opportunities to provide patient consultations; depending on the prescription he is able to conduct the entire consultation on his own. Larimer has even begun instructing him in stocking and logging controlled substances, including inventory control, and laws about securing prescriptions.

"I feel like I am needed and have opportunities to be helpful," says Gomez. "I can even answer some of the technician's questions – not a lot of them, but some."

Gomez also spends time with customers in the aisles where he answers customer questions and makes recommendations. "I like to go out into the aisle with the customer and show them what I am talking about and ask them questions – I want to guide the customer and educate them about why I recommend one product over another," he explains.

On one such occasion, Gomez was able to prevent a mother from purchasing and using a non-prescription product that was not appropriate for her infant. After asking her several questions he recommended that she immediately seek medical care for her child. It is this kind of personal connection with people that Gomez enjoys.

"I think when a pharmacist comes out from behind the counter, we are providing better patient service," remarked Gomez. He considers the time

he spends outside the pharmacy in the non-prescription product aisles as important as the time behind the counter.

While he still second guesses himself often, Gomez admits he becomes more confident each time he completes a consultation or makes a recommendation. If he is unsure about something he feels like he has the resources to find the information. He carries his prescription drug card binder with him and he is always comfortable asking his preceptor questions. Before a patient consultation Larimer coaches him on what he should explain to the patient about their prescription and what questions should be asked. If Gomez misses something Larimer reminds him and engages him in a conversation about why the information is important. Gomez considers everything about his IPPEs to be a learning process and understands that every situation is different.

"My preceptor is very open to allowing me to try a consultation by myself. It is a very positive environment for me. Dr. Wagner's class, where we did most of our consultation practice, was really helpful and I have carried that training into the pharmacy."

Gomez understands the challenge of relating scientific information in a way that the patient can understand; he considers it a translation from scientific language to patient language and he acknowledges that the conversion is difficult. Ultimately he realizes that to gain the most from his IPPEs he must be flexible because things can happen "on the fly," a philosophy that will benefit him throughout his career. 🐾



An athletic baseball player, Seth Gomez '13 played on an Amateur USA International Baseball Team. His immediate goal is to pursue a career in neuropsychiatric pharmacy where the complexity and ambiguity of the field fuels his interest. His real passion however, is in teaching and he hopes to eventually return to academia as a professor.

GET CONNECTED

THERE ARE MORE WAYS THAN EVER TO CONNECT WITH OTHER PaHS ALUM

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SUNDAY, OCTOBER 2ND
SACRAMENTO REGIONAL ALUMNI & STUDENT RECEPTION

4:30 PM-8:30 PM
8168 Polo Crosse Avenue
Sacramento, CA 95829

Registration information available via the Get Involved section of pacificpahsalum.org

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A MEET-UP IN YOUR AREA

You can arrange a live meet up for Pacific PaHS alums in your city. It costs \$12 to start a group on meetup.com/create.

Be sure to send your event info to jenflora@pacific.edu so we can help you spread the word.

Check Meetup.com and our Facebook page to see if an event is being hosted in your town.



WIN AN iPad!

Between September 26-30th, post your graduation year on Facebook at our Pacific PaHS Alumni page for a chance to win an iPad 2!

SIGN UP FOR EMAILS

Enter your email address at pacificpahsalum.org and receive announcements, news and other important information.





UPDATES

DEPARTMENTS

PHARMACEUTICS & MEDICAL CHEMISTRY



*Bhaskar Jasti '95, PhD
Department Chair*

Our department faculty continued to excel in teaching with the majority of faculty receiving excellent teaching evaluations culminated with recognition of associate clinical professor Dr. **Joel Wagner**, PharmD, as Runner-up Teacher of the Year. This year, our department faculty were invited as plenary speakers and, together with students, presented their research findings at a number of national and international meetings; a total of 20 abstracts. In addition, we published 13 manuscripts and eight book chapters. Dean Oppenheimer has renewed his commitment to upgrading our research labs and provided significant support to acquire laboratory equipment that is available for the use of all faculty and students in the School. We are expecting the research productivity to increase further with this acquisition; of note, assistant professor Dr. **Wade Russu**, PhD, is pursuing a patent based on the research conducted in his laboratory. We are happy to welcome the promotions of Dr. **Miki Park**, and Dr. Russu to Associate Professors with tenure. After an extensive search, we are excited to welcome Dr. **Mamoun Alhamadsheh**, into our department as an Assistant Professor. 🐾

PHARMACY PRACTICE



*William Kehoe '96
MA, PharmD
Department Chair*

This year, an emphasis on collaboration has produced impressive results. Practicum III and IV, coordinated by Dr. **Suzanne Galal**, has enabled nearly every faculty member of the department to work as a team. This approach facilitates our work with students in small groups to enhance their patient care skills. Local pharmacy residents participated in the Practicum Series as part of a new elective residency rotation. This was an extremely valuable collaboration from everyone's perspective.

Our partnership with local pharmacy directors and preceptors, led by Dr. **Melissa Mantong**, has produced important data about the impact of introductory-practice students on medication safety initiatives and workload. Our preceptors continue to add incredible value at their practice sites, health care outreach events, and participating as guest lecturers or reviewing clinical cases used in our courses.

One of our greatest resources is our students. Drs. **Marcus '94** and **Susan '94 Ravnar** have developed an excellent model for second-year students to mentor first-year students in Practicum II. Dr. **Rajul Patel '01, '06**, the 2011 Pharmacy Teacher of the Year, has incorporated 21 students, over 10% of the second year

class, into his Medicare Part D research initiatives. His team of faculty includes Drs. **Mark Walberg '06, '09**, **Joseph Woelfel, '70, '72, '78**, **Sian Carr-Lopez '85** and **Suzanne Galal**. Their efforts have resulted in numerous professional presentations and papers, provide invaluable research experiences for our student scholars and deliver needed health services to the community. It is an exciting time for the department as we continue to enhance the delivery of our curriculum and move our public health initiatives forward. We are grateful for our partners.



*James Palmieri
PharmD, BCNSP
APPE Director*

Advanced Pharmacy Practice Experience (APPE)

For the last 11 years students completing their APPE in the Sacramento region have been participating in the Poison Prevention Program sponsored by the California Poison Control Center and California Society of Health-System Pharmacists Sacramento Valley Chapter. Under the leadership of Dr. **Yvette Crockell**, Assistant Professor and Regional Coordinator for the Sacramento Region, Pacific's pharmacy students continue this tradition. Pacific pharmacy interns visit third grade classrooms and educate children on how

to recognize potentially poisonous situations and products, look-a-like items, poisonous insects and snakes, and what to do in case of a poisoning. Following the classroom visit students participate in a poster contest; the winner and runner-ups are displayed during Poison Prevention Week and the winner receives a Toys-R-Us gift card.

In 2011 more than 500 third graders in Sacramento benefited from this program. In addition to the nine Sacramento region elementary schools, the program expanded to 1,200 third graders in 16 schools in the Stockton region with hopes of further expansion this year. As the program grows additional future pharmacists are volunteering their time to the program. Along with the 16 pharmacy interns in the APPE program more than 25 students participated as part of their IPPE.



*Veronica Bandy '00
PharmD, FCSHP, FCPhA
IPPE Director*

Introductory Pharmacy Practice Experience (IPPE)

We continue to see encouraging results from the IPPE program for our students. Feedback from reflection exercises, discussion sessions and informal conversations has been positive; students feel they are gaining valuable experience along with clarification of what it means to be a healthcare provider. The Healthcare Outreach requirement seems to be particularly effective for bringing into focus the reality of healthcare

disparities experienced by the general public for our students. IPPEs offered during semester breaks continue to be a popular option. Students completing their IPPE hours at sites outside the Stockton area while home during breaks is increasing student satisfaction and preventing preceptor burnout. We are also excited about the opportunity to place students at sites that we would normally not have access to due to the distance from campus. In addition to their practical experiences, Dr. **Melissa Mantong** has added a discussion session to the Hospital IPPE in an effort to increase student learning and ensure a consistent experience across all sites.

This fall we plan to incorporate the E-value system to more efficiently manage our expanding program. A new Geriatrics site will come online in addition to several Community sites. Our IPPE course coordinators host our students year round, so we are excited to be selecting inaugural IPPE Preceptors of the Year beginning with the Class of 2012. I know I am joined by many others in expressing my appreciation for all that our coordinators and preceptors do to teach and mentor our students, this is just a small acknowledgement of their contribution. 🐾

PHYSICAL THERAPY



*Cathy Peterson
PT, EdD
Department Chair*

Both our faculty and students have brought recognition to the School and University with their pursuits this past year. Several faculty accepted positions on national professional boards with Dr. **Sandra Bellamy '97, '99, '03** being elected Regional Director of the Pediatric Section of the American Physical Therapy Association and Dr. **Tamara Little's** election as Chair of the Standards Committee of the American Academy of Orthopedic and Manual Physical Therapists. Dr. **Thaao DeOrnelas '10** and Dr. **John Viernes '10** also represented the School on professional boards having been elected as a student representative of the Northeast District of the California Physical Therapy Association and being appointed to a position of the Pacific Physical Therapy Alumni Association Board, respectively. Thaao also participated in the Assembly of Representatives at the annual conference. We continued our partnership with Rotary International to distribute and fit wheelchairs in third world countries, Dr. **Nella Tay '10** and Dr. **Jennifer Myers '10** traveled to Guadalajara, Mexico along with several Rotarians, Dr. **Joe Serra** and his wife, and me. Dr. **Sheila Mistry '10** also traveled internationally, completing an eight week internship in Malawi, Africa.

Additionally, Dr. **Katie Graves '03** earned her board certification as an Orthopedic Clinical Specialist from the American Physical Therapy Association. Dr. **Todd Davenport** received an Outstanding Publication award from the California Physical Therapy Association. Dr. **Katrin Mattern-Baxter** received a grant from the American Physical Therapy Association for her research.

I have thoroughly enjoyed my eight year tenure as Department Chair and have stepped down effective August 1, when I begin my yearlong sabbatical which includes serving as a Fulbright Scholar to Malawi for five months where I will teach and conduct research. We are all very pleased that Dean Oppenheimer has named Dr. **Christine Wilson** our new Department Chair. Congratulations Dr. Wilson! 🐾

PHYSIOLOGY & PHARMACOLOGY

Through the efforts and coordination of our department's newest faculty member, Dr. **Katerina Venderova**, the Pacific community now has an additional opportunity to hear researchers from other institutions share their work in the area of Molecular and Cellular Pharmacology and Toxicology. The new Departmental Seminar program is designed to host a series of speakers intended to broaden attendees' knowledge and engage students and faculty in scholarly discussion. The first couple of programs were well received; welcoming researchers from Stanford and Canada to the Pharmacy and Health Sciences campus. Dr. Venderova joined Pacific early this year and will begin lectures in the spring. She and her husband, also a pharmacist, have been a tremendous addition to the Pacific family and we have enjoyed welcoming them.



*Timothy Smith
RPh, PhD
Department Chair*

Since the addition of FACS instrumentation to the School, our faculty have been able to more aggressively pursue our cell science research goals. With the offsite training provided by the vendor, this instrumentation is allowing faculty from all departments to conduct experiments that were not possible prior to the establishment of this facility. Within the department, researchers are using this instrument to see differences in cellular function and investigate cell cycle status; investigation of additional characteristics of cell populations are also possible. Since results from preliminary experiments using this approach are very encouraging, we anticipate expanding the experimental applications of the FACS facility in the future. 🐾

SPEECH-LANGUAGE PATHOLOGY



*Robert Hanyak, AuD
Department Chair*

The Class of 2011 extended our 16 year 100% passage rate on the Praxis exam by passing within six months of graduation. A new course on Autism Spectrum Disorders has been added to our graduate program and is being taught by Drs. **Jill Duthie** and **Jeannene Ward-Lonergan**. Dr. **Larry Boles** has been named the new Graduate Program Director. Our current evening master's degree cohort is preparing to begin their fieldwork; all 21 students will complete their experiential learning in the greater Stockton area. The Hearing & Balance Center continues to provide audiologic services to many residents of Stockton and the surrounding area. We are excited to offer the newest hearing technology such as Bluetooth connectivity and "invisible" Lyric hearing aids. The Pacific chapter of the National Student Speech-

Language-Hearing Association has been active with several events, including a Karaoke Night fundraiser and Open Houses and Tours in conjunction with our annual Colloquium and Alumni Weekend. I am proud to share that three of our students had presentations accepted for the American Speech-Language-Hearing Association annual conference last November.

For the first time in many years our program boasts not one but two full professors with the promotion of Dr. Jeannene Ward-Lonergan and the arrival of Dr. Boles. Dr. **Michael Susca** will be representing the University as the Commissioner on Legislation for the California Speech-Language-Hearing Association. Alumni Weekend our very own **Simalee Smith-Stubblefield '82** was selected as the Alumna of the Year by the Pacific Speech-Language Pathology Alumni Association.

Finally, we are deep in preparations for our upcoming reaccreditation site visit from the American Speech-Language-Hearing Association in October. I look forward to reporting on the outcome of that visit in the next issue. 🐾



ALUMNI

2011 ALUMNI WEEKEND

By Dua Moua '09

From old favorites to new traditions, there was something for everyone at the Thomas J. Long School of Pharmacy and Health Sciences Alumni Weekend celebration.

On Saturday, June 11, the School hosted an inaugural interdisciplinary continuing education program on treating patients with Parkinson's disease which drew more than 25 participants. This program offered professionals from all three disciplines an opportunity to participate in roundtable discussions about a real life case study with practitioners from pharmacy, physical therapy, speech-language pathology, and dental hygiene.

Following the continuing education program, alumni gathered in the Rotunda for the Alumni of the Year Reception honoring **Patrick '68** and **Harriet '70, '76 Catania** of the Pacific Pharmacy Alumni Association, **Whitney (Boyd) Davis '03** of the Pacific Physical Therapy Alumni Association, and **Simalee Smith-Stubblefield '82** of the Pacific Speech-Language Pathology Alumni Association. This is the first time in the history

of the School that an alumna from each discipline was honored.

"We are recognizing these alumni for their service to their professions, their dedication to mentoring our students and their generosity in supporting their alma mater," said **Dean Phil Oppenheimer**.

Approximately 70 alumni returning for the celebration were able to enjoy a daylong homecoming. Milestone reunions, campus tours, and fraternity open houses were also highlights of the weekend. The School would like to extend a special thank you to the continuing education faculty members, each of the Alumni Association Boards, faculty and staff for making this event possible; and last but not least our alumni for giving us a reason to celebrate.

We hope you will join us for Pacific Alumni Weekend 2012! 🐾

Seven years after I graduated from Pacific, I began serving our pharmacy school as a preceptor. My relationship and connection with our alma mater grew as I experienced the benefits of my connection with our students and the faculty. By serving as President of the Pacific Pharmacy Alumni Association I can say, without a doubt, that my involvement in fostering the next generation of Pacific Pharmacy graduates has enriched my “Pacific Experience” as well as our students. I hope that each of you will embrace opportunities to become involved in service, generosity, and leadership—it is important to our profession and alma mater.



Satinder Sandhu '85
President, PPAA

- Paula Cannistraci '05
- Colleen Carter '76
- Terry Cater '73
- Robert Chan '77
- Nancy DeGuire '89
- Dino DeRanieri '63
- Gary Hamilton '78
- Doug Hillblom '78
- Bhaskara Jasti '95
- Tom Maez '85
- Victor Manneh '85
- David Mitchell '00
- Jim Morisoli '75
- Nam Nguyen '08
- Jenny Partridge '79
- Bill Przybyla '74
- Catherine Sterk '77, '78
- Jamie Tobitt '90
- Bruce Toy '77
- Ron Wade '78

PACIFIC PHARMACY ALUMNI ASSOCIATION BOARD

ALUMNI OF THE YEAR



PATRICK CATANIA '68, '70, '73, PHARMD, PHD

WHAT IS YOUR MAJOR ACCOMPLISHMENT?

Last month I was elected President of the Board of Directors of the Stockton Symphony Association for 2011-2012. Our Symphony is the third oldest in California. It was founded in 1926 by Manlio Silva, a local pharmacist.

WHO IS YOUR MENTOR?

James C. King, PhD., who was a faculty member at the Thomas J. Long School of Pharmacy and Health Sciences in the 1960-90s.

WHAT DO YOU LOVE ABOUT YOUR PROFESSION?

The freedom to pursue a variety of professional and scientific interests.

WHAT IS YOUR PRIDE AND JOY?

My son, Mike, who just graduated from Pacific's School of Engineering and Computer Science with a Master of Science in Environmental Engineering.

WHERE DO YOU FIND YOUR INSPIRATION?

My wife, Harriet, who is the ultimate multitasker. She is always my best cheerleader.

WHAT GIVES YOU HOPE?

Seeing all that is good in younger generations.

WHAT IS YOUR ENDURING PASSION?

The professions of pharmacy and pharmacy education

WHAT IS YOUR PROUDEST MOMENT?

Being selected as California's Pharmacist of the Year in 2006 by the California Society of Health-System Pharmacists

THE LAST MOVIE YOU WATCHED?

Too Big To Fail

WHAT ARE YOUR FAVORITE HOBBIES?

Docent at the Haggin Museum, gardening, cooking, traveling, reading, learning new things, and a little golf.

WHAT IS YOUR FAVORITE COLOR?

All shades of brown.

HARRIET CATANIA '70 '76, BS, PHARMD

Before her retirement in November 2010, Harriet Catania '70 '76 was the Regional Director of Pharmacy, San Joaquin – Sierra Region at St. Joseph's Medical Center (SJMC). Dr. Catania implemented the American Society of Health-Systems Pharmacists-accredited Pharmacy Practice Residency program in 1990, and served as its Director for 20 years. The program is now on its 21st year. Today SJMC is a site that offers Advanced Pharmacy Practice Experience (APPE) and Introductory Pharmacy Practice Experience (IPPE) programs.

Under her leadership, the organization implemented innovative programs and strategies including decentralized pharmaceutical services, redesigned clinical services to augment the patient-focused care model and development of new roles in the integrated ambulatory care and emergency department services.

Dr. Catania has served on the California Society of Health-System Pharmacists (CSHP) board and councils, in addition to her service on the ASHP councils and House of Delegates. She is a Fellow of both CSHP and ASHP.

In 2010, Dr. Catania received the Lifetime Service Award from the University of the Pacific for her continued support of pharmacy education.

WHAT IS YOUR PRIDE AND JOY?

My son, Michael.

WHAT ARE YOUR DEFINING TRAITS?

I think of myself as an optimist, I think I have vision, and I never give up trying to move things forward.

WHAT IS YOUR ENDURING PASSION?

Pharmacy and pharmacy education.

WHAT ARE YOUR FAVORITE HOBBIES?

Reading, photography, golf and travel.

Previous page: The Catanias at Alumni Weekend.

Above left to right: Santinder Sandhu '85, Patrick Catania '68, '70, '73, PharmD, PhD; Harriet Catania '70 '76, BS, PharmD; Ugitatem Adelestis, Veliqui Omnimaguat.

Below: With their son, Michael, at University of the Pacific graduation.





Whitney (Boyd) Davis '03
President, PPTAA

- Sandy Bellamy '97, '99, '03*
- Curt Osuga '96*
- Brett Qualls '07*
- Danielle Sartori '06*
- John Vincent Viernes, III '03*



ALUMNA OF THE YEAR

WHITNEY DAVIS '03 DOCTOR OF PHYSICAL THERAPY

WHAT IS YOUR MAJOR ACCOMPLISHMENT?

I am the first and only female on my father's side of the family to graduate from college. I am the second person on my father's side of the family to graduate from graduate school – my father was the first. I am the only person on my mother's side of the family to go to graduate school.

LATEST FEATHER IN YOUR CAP?

I had the pleasure of traveling to Peru last October with two second year PT students to deliver wheelchairs to local children and adults. The trip was funded by local Rotary groups and the wheelchairs were provided by Hope Haven International. It was life-changing to see the families leave with their new wheelchairs knowing that they would be able to participate in activities that they had always missed out on in the past.

WHO IS YOUR MENTOR?

Mary Massery, DPT. She is always enthusiastic about the profession, life, and educating people.

WHAT DO YOU LOVE ABOUT YOUR PROFESSION?

I love being able to make a difference in my patient's lives. I currently work in a pediatric setting and have the pleasure of being able to see my patients meet milestones like rolling over, crawling and walking for the first time. The look of pride on their and their parent's faces makes getting up and going to work in the morning worth it.

WHERE DO YOU FIND YOUR INSPIRATION?

I get inspired more every time with the progress of my patients.

DEFINING TRAITS:

Dependable, loyal, organized, calm, determined, and family-oriented.

WHAT IS YOUR PROUDEST MOMENT?

Graduating from the Doctor of Physical Therapy program. It was something I had been working toward since sophomore year of high school.

WHAT IS THE LAST MOVIE YOU SAW?

Bridesmaids and *The Dilemma*

WHAT ARE YOUR FAVORITE HOBBIES?

Hiking/backpacking, snow skiing, scrapbooking, reading, spending time with friends and family, spending time at my family's cabin in Yosemite.

Alumni involvement on campus gives our students a good reminder of what they are working towards as well as encouraging them to give back to the University once they have graduated. When alumni return as guest speakers, they give our students the chance to think beyond their textbooks and relate what they are learning to the clinic. Donations to the alumni association encourages students to "Pay it Forward" once they graduate. This can be directly seen by the Class of 2011 who recently presented their class gift of 100% contribution to the Physical Therapy Alumni Association.

ALUMNA OF THE YEAR

SIMALEE SMITH-STUBBLEFIELD '82 MASTERS, SPEECH-LANGUAGE PATHOLOGY

WHAT IS YOUR MAJOR ACCOMPLISHMENT?

In 2009 I received the California Speech-Language Hearing Association's Fellow Award for contributions to the profession and the organization.

WHO IS YOUR MENTOR?

Many, many, many.

- Ms. Virginia Puich was a professor here, she has the biggest heart.
- Dr. Roy Timmons was brilliant and had a wonderful sense of humor!
- Bob Hanyak, his forward thinking pushing for necessary change, his efficiency, his fairness. He would never ask someone to do something he himself would not do.
- Melissa Jakabowitz, her dedication to the profession and to her alma mater – Pacific.
- Harriet Doyle, her longevity, positive attitude and her love of baseball!
- Rachel Torres, demonstrates how you can have fun and be a consummate professional.
- Janet Nimitz, she is so calm and has a way with words that I envy.
- Carol Hirota, her professionalism and competence.
- Kathy Skeels, her effectiveness with a smile and kindness.
- My current colleagues, Lori Dittrich, Heidi Germino, Michael Susca, Jeannene Ward-Lonergan, Jill Duthie, Larry Boles and Kristen Hernandez they all do their part to make this Department run like a well-oiled machine. I respect each and every one for their accomplishments.

WHAT DO YOU LOVE ABOUT YOUR PROFESSION?

The people. Fellow colleagues, former and current students, and of course, the clients we help.

WHAT IS YOUR PRIDE AND JOY?

My husband and my son, they are both wonderful people that support me in anything I do. My husband is my "rock." My son is my joy – I love his sense of humor.

WHERE DO YOU FIND YOUR INSPIRATION?

From my colleagues, the clients we serve and my family!

WHAT GIVES YOU HOPE?

Smiles on faces of those who find a "voice" to communicate.

WHAT IS YOUR ENDURING PASSION?

To make the world a better place whether it is helping someone to communicate or to recycle or a smile to make someone's day a little bit better.

WHAT IS YOUR PROUDEST MOMENT?

Knowing that a scholarship was established in my name – thanks to the Hanyak family.



- Christie Abbott '79*
- Joan Eberhardt-Snider '93*
- Heidi Germino '92*
- Kilian Graciano '98*
- Nora Hamilton '78*
- Nancy Harlow '06*
- Melissa Jakabowitz '81*
- Judi Jewett '95*
- Janet Nimitz '85*
- Benjamin Reece '01*
- Brandee Smith '87*
- Cecelia Souza '73*

Harriet Doyle '73
President, PSLPAA



Alumni Weekend is past but the memories linger. Your support and interest in the department is tremendously appreciated by the students. Your contributions such as providing opportunities for them to network, serving as a guest speaker or a site supervisor for their externships and offering your financial support to enable scholarships make a world of difference to these students. Your support and involvement definitely matter! If you were unable to visit us during Alumni Weekend, please come by to visit anytime. You will be inspired by the caliber of our students, our beautiful clinic and the warm welcome you will receive.



'95

Frank Scorpiniti, PharmD, is the Chief Operating Officer at Katz Group. "Frank is a strategic thinker who has a passion for the retail pharmacy industry, and a proven ability to drive growth and performance within an organization," stated Andy Giancamilli, CEO.

'98



Brian Ong, PharmD, received the One to One Counseling Recognition Award from the American Pharmacists Association and *Pharmacy Today* in March. He was one of 10 pharmacists selected nationwide and was profiled in the June 2011 issue of *Pharmacy Today* (page 44).

'02



Minnie (Virk) Grewal, PharmD, was married in 2008 and had a baby, Aryana Grewal in November of 2010.

'03

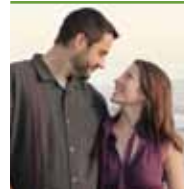


Pasit Phiasivongsa, PhD, and **Andrea Wamsley, PhD**, had a baby boy, Konrad Bounlai Wamsley Phiasivongsa, on December 16, 2011.

'04

Tiffany Leamer, DPT, had a baby girl, Alivia Leamer, on April 25, 2011.

'08



Michelle Dazey, DPT, was married in August 2011.

In Memoriam



Echo Polinsky, friend of the School

Genellen Baker '61

Arno Chauvel '73, '74

Susan Hyun '95

Dennis Okuadigbo '99

Leonard Terra '62

Edward Wegele '72, '73



HONORING JEAN BALDWIN

Jean Baldwin, PhD, the founder of Pacific's Physical Therapy program, passed away on Sunday, June 6, 2010, after suffering from multiple strokes both from blood clots and hemorrhages. Dr. Baldwin was 83 years old and lived in Gooding, Idaho.

Dr. Baldwin earned her Bachelor of Science degree from the Western State Teaching College in Gunnison, Colorado, and later attended Stanford University where she earned her Master of Science degree in physical therapy. In the late 1960s, after working in Omaha, Nebraska, as a physical therapist and joining the Navy, she taught at Marquette University where she later earned her Doctor of Philosophy in education.

In 1975, she moved to Forest Grove, Oregon, and was hired by Pacific University where she founded their physical therapy program. In 1977, Dr. Baldwin witnessed the first graduating class, consisting of 16 graduates and later that year the program received accreditation from the American Physical Therapy Association (APTA). She retired from Pacific University in 1984.

Dr. Baldwin's love for the profession didn't stop there. In spring of 1985, University of the Pacific established a program of study leading to the Masters of Science degree in physical therapy. A new department was established within the School and Dr. Baldwin was appointed as founding chair in June. In March of 1988, the physical therapy program was accredited by APTA and in August graduated its very first class with 30 graduates.

Nearly 90 graduates received their degree under Dr. Baldwin's leadership. She retired from Pacific in 1990.

"We had a reputation of turning out excellent and caring clinicians and of being a 'fun' program; Jean established that atmosphere. We had students in the program from all over the country, Switzerland, Mexico, Greece, Norway," said Professor Emerita Carolyn Hultgren, MPH, PT, who succeeded Dr. Baldwin as Department Chair.

"Students considered her a mother away from home and the faculty respected her as an altruistic chair who truly cared for each faculty member's growth and always placed those people in front of her own personal needs. She was truly a wonderful person, an outstanding professional, the founder of the department, and someone I was lucky to call a very close friend," added Darcy Umphred, PhD, Professor Emerita and former Department Chair.

Dr. Baldwin is survived by her daughter Deborah Schleisman, four grandchildren, and her younger sister Florence Thomas. Schleisman welcomes stories and memories from anyone who would feel inspired to share. Please send them to schleismom@yahoo.com. 🐾

As a student in the charter class, I remember Dr. Baldwin for her warm caring ways. I still use some of her favorite sayings like "down by Jones' barn." And my all time favorite way to describe a deviation as being "Caddywompus."

I'm grateful for having met her and I know that I am a better therapist, clinician and person for the time I spent in the department during those early years under her tutelage.

*Carlos Sanders '88
DPT, GCS*

ALUMNI SERVING WITH PROFESSIONAL ORGANIZATIONS 2010-2011

Clark Gustafson '66, RPh

Treasurer, American Pharmacists Association (APhA)

Lee Meyer '72, '75, PharmD

Academy of Long Term Care Trustee, California Pharmacists Association (CPhA)

Ken Perrin '77, PharmD

Board Member, California Society of Health-System Pharmacists (CSHP)

Doug Hillblom '78, PharmD

President-Elect, California Pharmacists Association (CPhA)

Kenneth Scott '78, RPh

President, California Pharmacists Association (CPhA)

Sian Carr-Lopez '85, PharmD

Board Member, California Society of Health-System Pharmacists (CSHP)

Doreen Schneider '85, PharmD

Board Member, California Society of Health-System Pharmacists (CSHP)

Maria Serpa '87, PharmD, FASHP, FCSHP

President, California Society of Health-System Pharmacists (CSHP)

Chris Woo '88, PharmD

Academy of Employee Pharmacists Trustee, California Pharmacists Association (CPhA)

Michael Pavlovich '89, PharmD

Trustee, American Pharmacists Association (APhA)

William Kehoe '96, PharmD, FCCP, BCPS

President, American College of Clinical Pharmacy (ACCP)

Lawrence "LB" Brown, '99, PharmD, PhD

Trustee, American Pharmacists Association (APhA)

Helen Park '99, PharmD

Academy of Health System Pharmacists Trustee, California Pharmacists Association (CPhA)

Veronica Bandy '00, PharmD

Trustee at Large, Region 2 & Region 3 Trustee, California Pharmacists Association (CPhA)

Eric Gupta '00, PharmD

Immediate Past President, California Pharmacists Association (CPhA)

Johanna Liu '09, PharmD

Academy of Managed Care Trustee, California Pharmacists Association (CPhA)

NEW FACES, PROMOTIONS & TENURES

By Jenifer Flora

LARRY BOLES SPEECH-LANGUAGE PATHOLOGY

Larry Boles, PhD, CCC-SLP, received his bachelor of arts in English and master of science in communicative disorders from San Francisco State University. In 1995 he received his doctor of philosophy in speech and hearing sciences from University of Arizona. Dr. Boles taught Speech Therapy, specializing in acquired disorders such as aphasia, at the University of Hawaii for four and a half years then at Sacramento State University for 11 years.

Dr. Boles joined the Thomas J. Long School of Pharmacy and Health Sciences in September of last year as Professor (tenure track). He teaches Adult Neurologically Based Communication Treatment, Augmentative Alternative Communication, Speech Science and Anatomy and Physiology of Speech. Dr. Boles enjoys spending time with his wife and two adopted daughters. His hobbies include growing and caring for bonsai trees and playing and listening to blues guitar. 🐾



MAMOUN ALHAMADSHEH PHARMACEUTICS AND MEDICINAL CHEMISTRY

Mamoun Alhamadsheh, BPharm, PhD, received his bachelor of pharmacy from Jordan University of Science and Technology in Jordan and his doctor of philosophy from University of Toledo in Ohio. He has also completed postdoctoral training at Portland State University and Stanford University.

Dr. Alhamadsheh joined the University of the Pacific Pharmacy Family in March of this year; as a member of the Pharmaceutics and Medicinal Chemistry department. Dr. Alhamadsheh teaches Pharmacology and Medicinal Chemistry as well as part of Molecular and Cellular Biology. His research interests include protein-protein interactions, amyloid beta aggregation in Alzheimer's disease and Transthyretin Amyloidosis. His research is focused on developing new chemical tools and therapeutic agents for diseases such as Alzheimer's disease and Transthyretin Amyloidosis. 🐾



CHRISTINE WILSON PHYSICAL THERAPY

Christy Wilson, PhD, PT, received her undergraduate degree from the State University of New York-Downstate Medical Center, her master's from Columbia University and her doctor

of philosophy from McGill University. She was a post-doctoral fellow in the Department of Preventive Medicine at University of Wisconsin-Madison. Previously she was an Assistant Professor at State University of New York-Downstate Medical Center and then at Northeastern University.

Dr. Wilson joined the University of the Pacific Physical Therapy Family in 2003 and was named Department Chair as of August 1, 2011. She teaches exercise physiology, pathophysiology, medical screening, and cardiovascular and pulmonary physical therapy. Her research interests include pulmonary physiology and treatment efficacy of pulmonary interventions. Her hobbies include traveling, attending dance performances and visiting museums. 🐾

KATERINA VENDEROVA PHYSIOLOGY AND PHARMACOLOGY

Katerina Venderova, PharmD, PhD, received her master of pharmacy, doctor of pharmacy and doctor of philosophy in toxicology degrees from Charles University in the Czech Republic. She has a rich history of teaching pharmacology and genetics and mentoring graduate students at the University of Ottawa where she did one of her postdoctoral fellowships. Dr. Venderova's research focuses on genetics and cellular pathways involved in Parkinson's disease.

Dr. Venderova joined the Pacific Pharmacy Family in January of this year as Assistant Professor (tenure track). She enjoys teaching PharmD and graduate students and has a passion for research and developing critical thinking of the students. In Dr. Venderova's free time she likes to travel, run and experience nature. 🐾



YEARS OF SERVICE

5 YEARS

Kristen Hernandez, staff
Speech-Language Pathology

Rajul Patel, faculty
Pharmacy Practice

Wade Russu, faculty
Pharmaceutics and Medicinal Chemistry

Joseph Woelfel, faculty
Pharmacy Practice

10 YEARS

Nancy DeGuire, faculty
Pharmacy Practice

Eileen DeMaggio, staff
Pharmacy Practice

Bhaskara Jasti, faculty
Pharmaceutics and Medicinal Chemistry

Kathy Kassab, staff
Pharmaceutics and Medicinal Chemistry

James Palmieri, faculty
Pharmacy Practice

Marcus Ravnan, faculty
Pharmacy Practice

David Thomas, faculty
Physiology and Pharmacology

Jim Uchizono, faculty
Pre-Health
Pharmaceutics and Medicinal Chemistry

20 YEARS

Richard Abood, faculty
Pharmacy Practice

Sian Carr-Lopez, faculty
Pharmacy Practice

Denis Meerdink, faculty
Physiology and Pharmacology

25 YEARS

Robert Hanyak, faculty
Speech-Language Pathology

William Kehoe, faculty
Pharmacy Practice

Mamoun Alhamadsheh, BPharm, PhD, joined the Department of Pharmaceutics and Medicinal Chemistry as Assistant Professor (Tenure Track).

Sandy Bellamy '97, '99, '03, PT, DPT, PCS, Department of Physical Therapy, was promoted from Assistant Professor to Associate Professor with Tenure.

Larry Boles, PhD, joined the Department of Speech-Language Pathology as Professor (Tenure Track) and Graduate Program Director.

Jen Flora joined the Pharmacy and Health Sciences support team as Technical Support Specialist I.

January Foronda joined the Office of Academic Affairs as the Program Assessment Specialist.

Kimberly Hoffmann '89, PharmD, BCPP, Department of Pharmacy Practice, was promoted from Assistant Professor to Associate Clinical Professor (Non-Tenure Track).

Dua Moua '09, was promoted from Technician I - Operations to Marketing Communication Assistant in the Pharmacy and Health Sciences Office of Marketing, Communications and Continuing Education.

Nancy Nguyen '07, PharmD, BCPS, Department of Pharmacy Practice, was promoted from Assistant Professor to Associate Clinical Professor (Non-Tenure Track).

Kate O'Dell, PharmD, Department of Pharmacy Practice, was promoted from Assistant Professor to Associate Professor with Tenure.

E. Ann Sica joined the Office of Advanced Pharmacy Practice Experience as Administrative Assistant II.

Katerina Venderova, PharmD, PhD, joined the Department of Physiology and Pharmacology as Assistant Professor (Tenure Track).

Recognitions

PHARMACEUTICS AND MEDICINAL CHEMISTRY

William Chan

Was given the Graduate Advisor of the Year Award.

Xiaoling Li

Was appointed to Fellow status in the American Association of Pharmaceutical Scientists.

Li is the second at Pacific to receive this honor. AAPS recognizes individuals for outstanding contributions that elevate the stature of the pharmaceutical sciences and professional competence reflected.

PHARMACY PRACTICE

Eric Boyce

Has been appointed to the American Journal of Pharmaceutical Education (AACP Journal).

Peter Hilsenrath

Was appointed to the Community Health Forum Steering Committee. This Committee oversees the Community Health Forum which will be held at Pacific in November. He presented "US Healthcare Reform: Marketing for Pharmaceuticals" at the Sixth International Conference on Health Care Systems in Gaziantep, Turkey.

Myo-Kyoung Kim

Was selected as the 2011 recipient of the United Methodist University Scholar/Teacher of the Year Award.

Rajul Patel '01, '06

Was selected as the Class of 2011 Pharmacy Teacher of the Year.

Was awarded three shared Excellence Awards at the Pacific Research Excellence Day.

Joseph Woelfel '70, '72, '78

Was invited to serve on the Monitor-Rx Clinical Advisory Board of the American Society of Consultant Pharmacists (ASCP) Foundation. The mission of ASCP is to foster appropriate, effective, and safe medication use in older persons. Monitor-Rx is a web-based clinical tool that assists in identifying, resolving, and preventing medication-related problems among seniors.

PHYSICAL THERAPY

Todd Davenport

Received a 2010 publication award from the California Physical Therapy Association for his article, *Conceptual Model for Physical Therapist Management of Chronic Fatigue Syndrome/Myalgic Encephalomyelitis*, which was published in Physical Therapy. Co-authors on the paper were **Staci Stevens '91, '97, Mark Van Ness, Christopher Snell**, Sport Sciences, and **Tamara Little**.

Cathy Peterson

Received the Fulbright award to fund her trip to Malawi in January 2012. The Fulbright Program is the flagship international educational exchange program sponsored by the U.S. government and is designed to "increase mutual understanding between the people of the United States and the people of other countries." The program has provided almost 300,000 participants — chosen for their academic merit and leadership potential — with the opportunity to study, teach and conduct research, exchange ideas and contribute to finding solutions to shared international concerns. She was one of only two faculty members at Pacific to receive this award.

PHYSIOLOGY AND PHARMACOLOGY

Robert Halliwell

Received a "must-read" review for his new book *A Short History of the Drug Receptor Concept* from Professor Andrew B. Norman from the University of Cincinnati that appeared in *Pharmacology Matters (The Newsletter of the British Pharmacological Society)*, Volume 3, Issue 2, December 2010; ISSN 1757-8175:

Roshanak Rahimian

Was a recipient of the Eberhardt Teacher/Scholar Awards for 2011

Katerina Venderova

Served as a guest editor of a special issue of Parkinson's Disease "Animal Models of Parkinson's Disease."

Was interviewed for an article "Moving up the Academic Ladder" which was published in *Science*.

Emily Chan

PHS Librarian

Has been elected Secretary of the Library and Educational Resources Section of AACP.

Presentations

PHARMACEUTICS AND MEDICINAL CHEMISTRY

Wade A. Russu Hassan M. Shallal '11

Presented "Primary Structure-Promiscuity Relationships (PSPRs) of Tyrosine Kinases" at the Annual Meeting of the American Association for Cancer Research.

Poonam Saraf Mahmoud Ibrahim Xiaoling Li Bhaskara Jasti '95

Presented "Comparison of Characteristics of PLGA Nanoparticles of Catalase Prepared using Emulsion Solvent Diffusion, Nanoprecipitation and Mixed Micelle Methods" at the 37th Annual Meeting and Exposition of the Controlled Release Society 2010.

Lauren Wiser '11 Shaoling Li Bhaskara Jasti '95 Xiaoling Li

Presented "Mechanisms of Ethylene Oxide/Propylene Oxide Block Copolymer Absorption in Nanoparticle Stabilization

for a Poorly Water Soluble Compound" at the 37th Annual Meeting and Exposition of the Controlled Release Society 2010.

PHARMACY PRACTICE

Andrew Abe '11 Miki Park Sachin Shah

Had their poster "5 Hour Energy and impact on ECG and BP parameters" presented at the 2010 American Society of Health System-Pharmacy Midyear Clinical Meeting and Exposition.

Veronica Bandy '00

Participated in a Round Table Presentation entitled "Implementing Active Learning Activities in a Nonprescription Therapeutics Course" at the Self Care Institute Annual Meeting.

Veronica Bandy '00 Suzanne Galal Joel Wagner

Presented "Integration and Sequencing of Activities through Nonprescription Therapy and Self Care, Practicum I, and

COMBINED SECTIONS MEETING OF THE AMERICAN PHYSICAL THERAPY ASSOCIATION

Faculty and students of the Department of Physical Therapy made a variety of strong contributions to programming at the recent Combined Sections Meeting of the American Physical Therapy Association in New Orleans, Louisiana.

Sandy Bellamy '97, '99, '03 conducted organizational meetings for Region I of the Pediatrics Section.

Todd Davenport was a grant reviewer for the Orthopaedic Section. He presented the poster "Diagnostic accuracy of symptoms characterizing chronic fatigue syndrome and the platform presentation Validity of self-report measures for health perceptions in individuals with chronic fatigue syndrome." Co-authors on these projects included **Staci Stevens '91, '97**, Pacific Fatigue Laboratory; **Mark Van Ness** and **Chris Snell**, Sport Science; and **Katie Baroni '11**.

Todd Davenport, Staci Stevens '91, '97, Mark Van Ness, and Chris Snell presented *How to Help Patients Who Are Sick and Tired of Being Sick and Tired: Physical Therapist Management of Chronic Fatigue Syndrome* for the Cardiovascular and Pulmonary Section.

Todd Davenport also co-authored the poster "Physical therapist management of complicated bilateral ankle sprain: case study and description of clinical reasoning" along with colleagues from Des Moines University in Des Moines, Iowa.

Dispensing Compounding and Calculation Courses" at the National Medical Association Annual Meeting.

Cinda Christensen Brett Heintz Jenana Halilovic Hien Nguyen Stuart Cohen

Presented their poster "Impact of a Multidisciplinary Team Review of Potential Outpatient Parenteral Antimicrobial Therapy (OPAT) Prior to Discharge from an Academic Medical Center" at the 48th Annual Infectious Disease Society of America (IDSA) Meeting.

Nancy DeGuire '89

Had her poster, Utility of the Multicultural Awareness Inventory in assessing P1 awareness and directing cultural competency coursework., accepted for the 2011 American Association of Colleges of Pharmacy Annual Meeting.

Was an invited as presenter of "Pioneering in Diversity Strengthening Community Symposium" for the Presidential Inaugural Series at University of the Pacific.

Was an invited speaker to present "Whole Student Learning at Pacific" for the Presidential Inaugural Series at University of the Pacific.

Was an Invited speaker to present "Marketing Yourself for Success" at the 15th Annual International Career Conference at California Polytechnic University.

Suzanne Galal Rajul Patel '01, '06 Christine Phou Huong Thai Mark Walberg '06, '09 Pamela Tien '10 Saduf Ashfaq '10 Emily Chan

Presented "The A, B, C's of Part D: Changes in Pharmacy Students' Attitudes, Beliefs, and Competency about Medicare Part D through Didactic and Experiential Education" at the American Association of Colleges of Pharmacy (AACP) Annual Meeting.

Suzanne Galal Veronica Bandy '00 Eric Boyce Rajul Patel '01, '06

Presented "Evaluation of Diabetes Practice Laboratory Involving Active-Learning and Role Playing Techniques in

a large Classroom" at the 2010 American Association Colleges of Pharmacy Annual Meeting and Seminars.

Jenana Halilovic

Presented "Principles of dosing medications in renal impairment" at the 22nd Annual New Drugs and Modern Concepts in Pharmacotherapy Conference.

Brett Heintz Jenana Halilovic

Presented "Impact of Infectious Disease Pharmacist Review of Potential Outpatient Parenteral Antimicrobial Therapy (OPAT) prior to Discharge from an Academic Medical Center" at the 35th Annual California Society of Health-System Pharmacists (CSHP) Seminar.

William Kehoe '96

Gave two presentations at the 10th Annual Meeting of the Asian Conference on Clinical Pharmacy in Singapore: "The Role of the Clinical Pharmacist in Medication Safety" and "Pharmacogenomics and Psychiatric Medications."

Marsha Koopman Jenana Halilovic Jevon Tang

Presented "Prevention of Surgical Site Infections" at the UC Davis Health System 29th Annual Infectious Disease Conference.

James Palmieri Yvette Crockell Veronica Bandy '00 Kathy Marquardt

Presented the poster "Examining the Impact of Service Learning on Pharmacy Students' Knowledge of Poisonings, Toxicology, and Professional Development" was presented at the American Association of Colleges of Pharmacy (AACP).

Rajul Patel '01, '06 Kim Min Jeung Mark Walberg '06, '09 Joseph Woelfel '70, '72, '78

Presented "Evaluating Drug Cost And Restriction Process Of Commonly Used Prescription Drugs Under Each 2011 California Stand-Alone Medicare Part D Plan" at the International Society of Pharmacoeconomics and Outcomes Research 16th Annual International Meeting and the 13th Annual Pacific Research Excellence Day.

AMERICAN ASSOCIATION OF COLLEGES OF PHARMACY

Faculty participated and presented research at the annual meeting of the American Association of Colleges of Pharmacy held in Seattle:

Jim Blankenship and colleagues delivered a Special Session on "HealthWISE — Winning Investigations for Students and Elders: Student Pharmacists as Science Educators."

James Palmieri, Yvette Crockell, Veronica Bandy '00 and **Kathy Marquardt** presented the poster "Examining the Impact of Service Learning on Pharmacy Students' Knowledge of Poisonings, Toxicology, and Professional Development."

Joseph Woelfel '70, '72, '78, Rajul Patel '01, '06, Mark Walberg '06, '09, Suzanne Galal and **Eric Boyce** presented the poster "Incorporating Pharmacy Practice Experiential Education and Community Outreach in Senior Care into the Curriculum."

Nancy DeGuire '89 and **Sian Carr-Lopez '85** presented the poster "Implementing a continuous professional development (CPD) process for first-semester pharmacy students."

Suzanne Galal, Veronica Bandy '00, Eric Boyce and **Rajul Patel '01, '06** presented the poster "Evaluation of diabetes practice laboratory involving active learning and role playing techniques in a large classroom."

Suzanne Galal, Sian Carr-Lopez '85 and **Craig Seal**, Center for Social Emotional Competence, presented the poster "Exploring the Relationship of Social and Emotional Competence on Student-Patient Consultation Performance."

Sian Carr-Lopez '85, Jace Hargis, Craig Seal, Nancy DeGuire '89, Suzanne Galal and **Eric Boyce** presented the poster "Using Academic Centers to Enhance the Scholarship of Learning (Emphasizing Effective Teaching and Assessment Strategies)."

Veronica Bandy '00, Donald Floriddia '71, Denis Meerdink, and colleagues presented the poster "California Pharmacy Student Leadership Program: Influence on Student Leadership, Teamwork, Research Skills, and Professional Involvement."

Rajul Patel '01, '06 Mark Walberg '06, '09 Julie Na '12 Desiree Hsiou '12 Vinay Panchal '12 Joseph Woelfel '70, '72, '78 Suzanne Galal Sian Carr-Lopez '85 Emily Chan

Presented "Evaluating the Willingness-To-Pay of Medicare Beneficiaries for Part D Plan Assistance" at the International Society of Pharmacoeconomics and Outcomes Research, the 16th Annual International Meeting and the 13th Annual Pacific Research Excellence Day.

Rajul Patel '01, '06 Neseth Kelly '12 Mark Walberg '06, '09 Joseph Woelfel '70, '72, '78

Presented "Formulary Differences Across Medicare Part D Prescription Drug Plans"

at the 13th Annual Pacific Research Excellence Day.

Rajul Patel '01, '06 Mark Walberg '06, '09 Joseph Woelfel '70, '72, '78 Michelle Amaral '98 Paresh Varu

Presented "Random Assignment of Medicare Beneficiaries to a Part D Plan: Medicare Part D Roulette?" at the American Society of Consultant Pharmacists 41st Annual Meeting and Exhibition.

Rajul Patel '01, '06 Joseph Woelfel '70, '72, '78 Mark Walberg '06, '09 Brianna Popelar Elaine Trinh '12 Marcus Ravnar '94 Susan Ravnar '94

Presented "Evaluating Potentially Inappropriate Medication Use by an Ambula-

PHARMACY PRACTICE

tory Medicare Population” at the American Society of Consultant Pharmacists 41st Annual Meeting and Exhibition.

Rajul Patel '01, '06
Mark Walberg '06, '09
Joseph Woelfel '70, '72, '78

Together with Michelle Amaral '98, Economics, presented the poster “Random Assignment of Medicare Beneficiaries to a Part D Plan: Medicare Part D Roulette?” at the Annual Meeting of the American Society of Consultant Pharmacists in Orlando, Fla. They co-authored the poster “Evaluating Potentially Inappropriate Medication use by an Ambulatory Medicare Population” with Susan Ravnan '94, Marcus Ravnan '94, Elaine Trinh '12, and Breanna Popelar '09, Economics. Walberg, Nicholas Baker '10, Jim Uchizono, Woelfel and Patel presented the poster “Differences in California Medicare Part D Prescription Drug Plan Cost Parameters from 2007 to 2009.”

Sachin Shah
Kate O'Dell
Nweni Naing '11
Mouchumi Bhattacharya

Presented the poster “Ezetimibe’s magnitude of benefit when added to statin therapy: A meta-analysis” at the Cardiovascular Disease Epidemiology and Prevention 2011 Scientific Sessions.

Sachin Shah

Had his poster “Twice daily versus once daily dosing of antihypertensives” presented at the 2010 American Society of Health System-Pharmacy mid-year meeting.

Linda Truong '10
Gregory Aung '10
Jonathan Nieh '10
Rajul Patel '01, '06
Laurence Mirels
Jessica Song

Presented “Evaluation of Vancomycin Dosing in Obese Patients” at the Infectious Disease Society of America 48th Annual Meeting.

Mark Walberg '06, '09
Nick Baker '00, '10
Jim Uchizono
Joseph Woelfel '70, '72, '78
Rajul Patel '01, '06

Presented “Differences in California Medicare Part D Prescription Drug Plan Cost Parameters from 2007 to 2009”

at the American Society of Consultant Pharmacists 41st Annual Meeting and Exhibition.

Joseph Woelfel '70, '72, '78
Rajul Patel '01, '06
Mark Walberg '06, '09
Suzanne Galal
Eric Boyce

Presented “Incorporating Pharmacy Practice Experiential Education and Community Outreach in Senior Care into the Curriculum” at the 2010 American Association Colleges of Pharmacy Annual Meeting and Seminars.

Joseph Woelfel '70, '72, '78

Was invited as one of four speakers to the San Joaquin County Public Health Week Breakfast, held on April 6th and he presented “A Vision for Senior Wellness: Focus on Prevention.”

Todd Davenport

Participated in a podcast panel discussion regarding the integration of the World Health Organization’s International Classification of Functioning, Disability, and Health into clinical documentation for physical therapists, which was hosted and distributed by the international journal *Physical Therapy*.

Katrin Mattern-Baxter
Sandy Bellamy '97, '99, '03
Jim Mansoor

Presented their abstract “The effects of intensive locomotor treadmill training on toddlers and preschoolers with cerebral palsy” at the California Physical Therapy Association (CPTA) Combined Sections Meeting.

Larry Boles

Was invited to present “Augmentative Alternative Communication” at the Medical Speech-Language Pathology Council of California.

Was invited to present “Evidence for Aphasia Couples Therapy (ACT)” for the National Student Speech, Language, and Hearing Association (NSSLHA).

Was invited to present “Higher Cognitive Functioning: Assessment, Goals and Objectives Conducive to Medicare Funding” at the California Speech-Language-Hearing Association Dinner Series.

Was invited to present “Aphasia couples Therapy: Evidence and Application” as the keynote presenter at the Seventh Asia Pacific Conference on Speech, Language and Hearing in New Zealand.

Was invited to present “Aphasia Couples Therapy (ACT): What Happens When the Therapy Door Closes?” at the American Speech-Language-Hearing Association Convention.

Rachel Dilly '08, '09
Jeannene Ward-Lonergan

Presented “Use of educational toys to improve pragmatic skills in diverse preschoolers” at the Child Language Seminar.

Norma Gonzalez '09, '10
Jeannene Ward-Lonergan

Presented “Multilingual and multicultural academic training of CA speech-language pathologists” at the California Speech-Language-Hearing Association Annual Convention.

Mary Xiong '10, '11
Jeannene Ward-Lonergan

Presented “Earliest words produced and comprehended by bilingual Hmong/English speaking infants/toddlers” at the California Speech-Language-Hearing Association Annual Convention.

Robert F. Halliwell

Spoke at the 6th Stem Cell Research and Therapeutics Conference in Boston, Massachusetts.

Lectured on “Everything You Ever Wanted to Know About Stem Cells But Were Afraid to Ask” at the Sierra Sacramento Valley Medical Society.

Xiaoyuan Han
Rui Zhang '11
Leigh Anderson
Roshanak Rahimian

Presented “Sexual dimorphism in aortic endothelial function of streptozotocin-induced diabetic rats” at the 16th World Congress of Basic Clinical Pharmacology (IUPHAR).

Katerina Venderova

Was invited presenter of “Drosophila in a Genome - Wide Search for New Interactors of LRRK2, a Parkinson’s Disease Gene” at the Mayo Clinic in Jacksonville, Florida.

Rui Zhang '11
Leigh Anderson
Roshanak Rahimian

Presented “Gender differences in mesenteric endothelial function of streptozotocin-induced diabetic rats: Role of endothelium-derived relaxing factors” at the Federation of American Societies of Experimental Biology (FASEB).

Emily Chan
Marina (Torres) Aiello '08

Presented the poster “Training Paraprofessionals via a Wiki Format to Deliver Reference Services” at the 2010 American Library Association Annual Conference in Washington, D.C.

Presented their poster “Assessing Constructivist Learning and Wiki Technology in Reference Services Training” at the California Library Association Conference in Sacramento.

Emily Chan

Presented “The A, B, C’s of Part D: Changes in Pharmacy Students’ Attitudes, Beliefs, and Competency about Medicare Part D through Didactic and Experiential Education” at the American Association of Colleges of Pharmacy (AAPC) Annual Meeting.

Publications

Rahman Aly Abd El Mohamed Nabarawy
Lauren Wiser
Xiaoling Li
Bhaskara Jasti '95

Had their article “Effect of Hydrophilicity of Polymeric Stabilizers on the Zeta Potential and Stability of Aripiprazole Nanosuspensions” published in *The AAPS Journal*.

Shiladitya Bhattacharya
Xiaoling Li
Janakiram Nyshadham
Bhaskara Jasti '95

Had their article “Folate Receptor Targeted Delivery Systems: A Novel Micellar Drug Delivery Approach” published in *Current Trends in Biotechnology and Pharmacy*.

Xin Guo
Nataliya Samoshina

Coauthored the poster “NMR investigation of phospholipid/PEG-ceramide-lipo-

somes” at the International Symposium “Nuclear Magnetic Resonance in Condensed Matter” which was coauthored and presented in St. Petersburg, Russia by Andreas Franz and Vyacheslav Samoshin, Chemistry.

Mahmoud Ibrahim Omaima Sammour
Mohamed Hammad
Nagia Megrab
Xiaoling Li
Bhaskara Jasti '95

Had their article “Integrity and Bioactivity of Insulin Loaded PLGA Nanoparticles Prepared by a Novel Aqueous based Method and its Comparison to Emulsion Solvent Evaporation Method” published in *Current Trends in Biotechnology and Pharmacy*.

Upendra Kulkarni '07
Ravichandran Mahalingam
Indiran Pather
Xiaoling Li
Bhaskara Jasti '95

Had their article “Porcine Buccal Mucosa as In Vitro Model: Effect of Biological and Experimental Variables” published in the *Journal of Pharmaceutical Sciences*.

Yanjie Li
Yi Li '06
Tianmin Zhang '10
William Chan

Had their article “The aryl hydrocarbon receptor nuclear translocator-interacting protein 2 suppresses the estrogen receptor signaling via an Arnt-dependent mechanism” published in *Archives of Biochemistry and Biophysics*.

Vijaysri Nannapaneni '11
Ravichandran Mahalingam
Xiaoling Li
Bhaskara Jasti '95

Had their article “Preparation of Amorphous Drug Forms by Spray Drying to Enhance the Apparent Solubility of Poorly Soluble Drugs” published in *The AAPS Journal*.

Miki Park
Feixia Chu
Jinghang Xie
Yu Wang '03
Pompeya Bhattacharyna
William Chan

Had their article “Identification of cyclophilin-40 interacting proteins reveals potential cellular function of cyclophilin-40” published in *Analytical Biochemistry*.

Wade Russu
Hassan Shallal '11
Jesika Faridi (Physiology and Pharmacology)

Had their paper “Anti-tumor pyrimidinylpiperazines bind to prosurvival Bcl-2 protein family member Bcl-XL” published in *Bioorganic and Medicinal Chemistry Letters*.

Wade Russu
Hassan Shallal '11

Had their paper “Discovery, Synthesis, and Investigation of the Antitumor Activity of Novel Piperazinylpyrimidine Derivatives” published in the *European Journal of Medicinal Chemistry*.

Sameer Sachdeva
Bhaskara Jasti '95
Xiaoling Li

Had their article “Effect of Thermodynamic Activities of Unionized and Ionized Species of Nimesulide on Permeation across Semipermeable Membrane” published in *The AAPS Journal*.

Poonam Saraf
Xiaoling Li
Bhaskara Jasti '95

Had their article “Study of Physicochemical Characteristics of PLGA Nanoparticles of Three Model Proteins” published in *The AAPS Journal*.

Dan Su
Bhaskara Jasti '95
Xiaoling Li

Had their article “Effect of Thermodynamic Activities of the Unionized and Ionized Species on Drug Permeation across Porcine Small Intestine” published in *The AAPS Journal*.

Jiasheng Tu
Ravichandran Mahalingam
Yan Shen
Bhaskara Jasti '95
Xiaoling Li

Had their article “Polymers in Oral Modified Release Systems” published in Hong Wen and Kinam Park (eds) *Oral Controlled Release Formulation Design and Drug Delivery: Theory to Practice*.

Daniel Witcher '08
Nicole Sakai '08
Roshanak Rahimian
Leigh Anderson

Had their article “Gender differences in the effects of streptozotocin-induced diabetes on parasympathetic vasodilatation in the rat submandibular gland” published in *Archives of Oral Biology*.

Lauren Wiser '11
Shiaoling Li
Bhaskara Jasti '95
Xiaoling Li

Had their article “Mechanisms of Polymer Adsorption in Nanoparticle Stabilization for Poorly Water Soluble Compounds” published in *The AAPS Journal*.

Dazhou Yang '14
Abraham Chang '09
Liang Xue (Chemistry)
Yu Wang '14
William Chan

Had their article, “Synthesis of a ligand-quencher conjugate for the ligand binding study of the aryl hydrocarbon receptor using a FRET assay,” published in *Medicinal Chemistry Research*.

Noymi Yam '09
Xiaoling Li
Bhaskara Jasti '95

Had their article “Interactions of Topiramate with Polyethylene Glycol 8000 in Solid State with Formation of New Polymorph” published in the *International Journal of Pharmaceutics*.

Jason Bandy '00
Veronica Bandy '00

Had their article “CSHP’s Political Action Committee – Why Should I Give? Why Should I Care?” published in the *California Society of Health-System Pharmacists Journal*.

Eric Boyce

Coauthored “Recommended basic science foundation necessary to prepare pharmacists to manage personalized pharmacotherapy” which was published in the journal *Pharmacotherapy*.

Coauthored with colleagues from Wingate University on the article “Correlation of pre-pharmacy work experience in a pharmacy setting with performance in a top 200 drugs course” published in *Currents in Pharmacy Teaching and Learning*.

Eric Boyce
Jenana Hallilovic
Oby Stan-Ugbene '05

Coauthored the systematic review “Golimumab: Review of the Efficacy and Tolerability of a Recently Approved Tumor Necrosis Factor- α Inhibitor,” published in the journal, *Clinical Therapeutics*.

CALIFORNIA PHYSICAL THERAPY ASSOCIATION

Faculty and students of the Department of Physical Therapy made a strong contribution at the California Physical Therapy Association Annual Conference in Oakland, California:

Zack Mertz '11, presented a poster entitled, “Reliability of Pectoralis Minor Length Testing by Student Physical Therapists.”
Antonia Vega '11 and **Todd Davenport** were co-authors.

Garrett Norris '11, **Matt Moyer '11** and **Mark Langford '11**, presented their poster “Carpal Tunnel Volume Varies Based On Radiocarpal Joint Position: Demonstration of Functional Anatomy.” Co-authors were **Tamara Little**, **Todd Davenport** and **Jim Mansoor**.

Katrin Mattern-Baxter presented her poster “Is Intensive Therapy Using a Therasuit System Effective in Children With Cerebral Palsy With Different Levels of Function? A Retrospective Review.” Her co-author was **Jim Mansoor**. Mattern-Baxter also served as the moderator of two conference-related education sessions.

Todd Davenport received a publication award for his article “Conceptual Model for Physical Therapist Management of Chronic Fatigue Syndrome/Myalgic Encephalomyelitis.” Co-authors were **Staci Stevens '91, '97**, **Mark Van Ness** and **Tamara Little** with **Chris Snell**, College of the Pacific.

Todd Davenport also presented the poster “Working Hard or Hardly Working? Preliminary Study of Effort Perception in Chronic Fatigue Syndrome.” Co-authors were **Staci Stevens '91, '97**, **Mark Van Ness**, and **Ben Larson '13**, with **Chris Snell**, College of the Pacific.

Todd Davenport also participated in the panel “Spending a Day with Master Clinicians – The Richard Erhard Memorial Symposium” and contributed to the presentation “Manual Therapy for Ankle Sprains: Rationale, Reasoning, and Skills.”

PHARMACY PRACTICE

Adam Broussard
Scott Gardiner
Charles Fox
Adam Kaye '95
Had their chapter "Red Yeast Rice (Cholestin)" published in *Essence of Anesthesia Practice*, 3rd Edition.

Tim Cutler
Marilyn Stebbins
Amanda Smith
Rajul Patel '01, '06
Helene Lipton
Had their article "Promoting access and reducing expected out-of-pocket prescription drug costs for vulnerable Medicare beneficiaries: A pharmacist-directed model" published in *Medical Care*.

Had their article "Promoting access and reducing expected out-of-pocket prescription drug costs for vulnerable Medicare beneficiaries: A pharmacist-directed model" published in *Medical Care*.

William Dager
Jenana Halilovic
Had their article "Acute Kidney Injury. Dipiro JT et al. Matzke G ed." published in *Pharmacotherapy: a Pathophysiologic Approach*.

Nancy DeGuire '89
Rajul Patel '01, '06
Eric Boyce
Are co-authors with former faculty member David Fuentes on the article "A Team Public Health Research Project for First-Year Pharmacy Students to Apply Content From Didactic Courses," published in the *American Journal of Pharmaceutical Education*.

Brett Heintz
Jenana Halilovic
Cinda Christensen
Had their article "Vancomycin-resistant enterococcal urinary tract infections" published in *Pharmacotherapy*.

David Fuentes
Nancy DeGuire '89
Rajul Patel '01, '06
Eric Boyce
Had their article "A Team Public Health Research Project for First-Year Pharmacy Students to Apply Content from Didactic Courses" published in the *American Journal of Pharmaceutical Education*.

Suzanne Galal
Rajul Patel '01, '06
Christine Phou
Huong Thai
Mark Walberg '06, '09
Pamela Tien '10
The abstract Changes in Pharmacy Students' Attitudes, Beliefs, and Competency about Medicare Part D Through Education was accepted to AACP.

Suzanne Galal
Veronica Bandy '00
Jason Bandy '00
Had their article "Review of Management of Diabetes" published as a Continuing Education Home Study Course for the Thomas J. Long School of Pharmacy and Health Sciences Continuing Education Program.

Brett Heintz
Jenana Halilovic
Cinda Christensen
Had their article "Impact of a multidisciplinary team review of potential outpatient parenteral antimicrobial therapy (OPAT) prior to discharge from an academic medical center" published in *The Annals of Pharmacotherapy*.

Brett Heintz
Jenana Halilovic
Had their article "Clinical experience with linezolid at a large academic medical center: A case series and review of literature" published in *Hospital Pharmacy*.

Had their article "Lessons learned from surveillance of antimicrobial susceptibilities of *Pseudomonas aeruginosa* at a large academic medical center" published in *Pharmaceuticals*.

Brett Heintz
Jenana Halilovic
Cinda Christensen
Had their article "Vancomycin-resistant enterococcal urinary tract infections" published in *Pharmacotherapy*.

Brad Hymel
Alan Kaye
Adam Kaye '95
Had their chapter "NMDA Receptor Antagonists" published in *Comprehensive Pain Medicine and Interventional Pain Management Board Review Book*.

Peter Hilsenrath
Had his article "Pulmonary Impairment after Tuberculosis and its Contribution to TB Burden" published in *BMC Public Health*. It was co-authored with nine colleagues from University of North Texas, the Center for Disease Control, Tarrant County Public Health Dept. and UT Southwestern Medical Center.

Phil Kalarickal
Charles Fox
Adam Kaye '95
Had their chapter "Tranexamic Acid" published in *Essence of Anesthesia Practice*, 3rd Edition.

Adam Kaye '95
Alan Kaye
Coauthored the chapters: "SAME," "Beta-sitosterol" and "Beta- Androstrione" for the textbook *Essence of Anesthesia Practice*.

Coauthored article "Intraoperative Pulseless Electrical Activity and Acute Cardiogenic Shock After Administration of Phenylephrine, Epinephrine, and Ketamine" was featured the *Ochsner Journal*. Kaye also coauthored "Anticoagulants: newer ones, mechanisms, and perioperative updates" for the *MD Consults Review*.

Had their article "Basic Pharmacology and Pharmacy for the Pain Patient" published in *Pain: Taking Control of Your Life*.

Alan Kaye
Adam Kaye '95
Tyler Stout
Had their chapter "Muscle Relaxants and Antispasmodic drugs chapter" in *Comprehensive Pain Medicine and Interventional Pain Management Board Review book*.

Alan Kaye
Amir Baluch
Adam Kaye '95
Henry Liu
Charles Fox
Had their article "Patients on Over-the-counter Supplements in Anesthesia Practice" published in *Anesthesia and Uncommon Diseases*.

Alan Kaye
Richard Urman
Had their article "Understanding Pain: Research and Treatments to Take Control" published in *Special Concerns and Practical Drug Considerations for Effective Pain Relief, Pharmacy and Pharmacology Issues* with contributor Adam Kaye '95.

Tristan Lindfelt
John O'Brien
Jessica Song
Rajul Patel '01, '06
Dean Winslow
Had their article "Efavirenz Plasma Concentrations and Cytochrome 2B6 Polymorphisms" published in *The Annals of Pharmacotherapy*.

Minh Ngo '10
Nancy Nguyen '07
Sachin Shah
Had their review article on "Oral aloe vera for treatment of diabetes mellitus and dyslipidemia" published in the *American Journal of Health System-Pharmacy*.

Alecia Sabartinelli
Alan Kaye
Adam Kaye '95
Alan Holtzman
Paul Samm
Had their article "Intra-operative pulseless electrical activity and acute cardiogenic shock after administration of 2.5% phenylephrine soaked intranasal pledgets: a case report" published in *Ochsner Clinic Journal*.

Rinoo Shah
Alan Kaye
Adam Kaye '95
Jeffrey Tsai
Had their chapter "Bleeding and Coagulation in Regional Anesthesia" published in the textbook on *Regional Anesthesia*.

Sachin Shah
Had his clinical study assessing the "Effects of oral aloe vera on electrocardiographic and blood pressure measurements," co-authored with **Patrick DiTullio '09**, published in the *American Journal of Health System-Pharmacy*.

Had his analysis assessing the "Impact of enhanced external counterpulsation on Canadian Cardiovascular Society angina class in patients with chronic stable angina: a meta-analysis," co-authored with **Rina Mehta '10**, published in *Pharmacotherapy*.

Allen Shek
Coauthored "Multiple Sclerosis: A paradigm change with oral agents?" which was published in the journal *Formulary*.

Mark Walberg '06, '09
Nick Baker '00, '10
Jim Uchizono
Rajul Patel '01, '06
Had their article "Choosing the Lowest Cost Stand-Alone Prescription Drug Plan: How Can Beneficiaries Decide?" published in *California Pharmacist*.

Joseph Woelfel '70, '72, '78
Had his manuscript "Incorporating a Geriatric Care Experience into the Curriculum as an Introductory Pharmacy Practice Experience" accepted for publication in the *American Journal of Pharmaceutical Education*.

Shiren Assaly '12
Todd Davenport
Katrin Mattern-Baxter
Had their article "Effectiveness of Neuromuscular Conditioning to Prevent Anterior Cruciate Ligament Injuries in Female Athletes: A Critical Synthesis of Literature" published in *Orthopaedic Physical Therapy Practice*.

Todd Davenport
Coauthored the article "Patient Education Based on Principles of Cognitive Behavioral Therapy for a Patient With Persistent Low Back Pain: A Case Report" published in the *Journal of Orthopaedic and Sports Physical Therapy*.

Together with **Staci Stevens '91, '97**, **Katie Baroni '11**, **Mark Van Ness**, **Chris Snell**, Sport Sciences, had their article "Diagnostic accuracy of symptoms characterizing chronic fatigue syndrome" published in the international journal *Disability and Rehabilitation*.

Together with **Staci Stevens '91, '97** had their article "Functional Outcomes of Anearobic Rehabilitation in a Patient with Chronic Fatigue Syndrome: Case Report with 1-Year Follow-Up" published in the bulletin *International Association Chronic Fatigue Syndrome/Myalgic Encephalomyelitis (IACFSM/ME)*.

Katrin Mattern-Baxter
Had her article "Locomotor Treadmill Training in Cerebral Palsy" published in *Orthopedic Nursing*.

Michael McKeough
Katrin Mattern-Baxter
Ed Barakatt
Had their article "The Effects of Computer-Based Learning Module on Students' Knowledge of the Anatomy and Clinical Examination of the Dorsal Column-Medial Lemniscal System" published in the *Journal of Allied Health*.

Larry Boles
Had his article "A Review of Aphasia Couples Therapy" published in the *Asia Pacific Journal of Speech, Language, and Hearing*.

Marilyn Nippold
Jeannene Ward-Lonergan
Had their article "Argumentative writing in preadolescents: The role of verbal reasoning" published in *Child Language Teaching and Therapy*.

Jeannene Ward-Lonergan
Had her article "Expository discourse abilities in school-age children and adolescents with language disorders: Nature of the problem" published in *Expository Discourse in Children, Adolescents, and Adults: Development and Disorders*.

Had her article "Intervention for improving expository discourse abilities in school-age children and adolescents with language disorders" published in *Expository Discourse in Children, Adolescents, and Adults: Development and Disorders*.

Had her article "Supporting Literacy Development in Adolescents Through Written Language Intervention" published in *Perspectives on Language, Learning, and Education*.

Robert Halliwell
Had his book *A Short History of the Drug Receptor Concept* (Palgrave Macmillan, 2009) reviewed by Andrew B. Norman of the University of Cincinnati in the December issue of *Pharmacology Matters*; Professor Pauline M. H. Mazumdar, University of Toronto, Canada in the *Bulletin of the History of Medicine*; Professor Christoph Gradmann, University of Oslo, Norway in *Social History of Medicine*; Professor Bettina Wahrig, Braunschweig University of Technology, Germany in *Berichte zur Wissenschaftsgeschichte*.

Had her article "Supporting Literacy Development in Adolescents Through Written Language Intervention" published in *Perspectives on Language, Learning, and Education*.

Coauthored "A Short History of the Drug Receptor Concept," with **Cay Rudiger Pruell** and **Andreas-Holger Maehle**.

Had his articles "Faith, Pharmacy and Neuroscience in California" and "The Potential of Stem Cells" published in *British Neuroscience Association Bulletin*.

Der Thor '00, '02, '09
Rui Zhang '11
Leigh Anderson
Diptiman Bose '02, '06
Gregory Dube
Roshanak Rahimian
Had their article "Effects of 17 β -estradiol on lipopolysaccharide-induced intracellular adhesion molecule-1 mRNA expression and Ca²⁺ homeostasis alteration in human endothelial" published in *Vascular Pharmacology*.

Der Thor '00, '02, '09
James Uchizono
Jeoff Lin-Cereghino
Roshanak Rahimian
Had their article "The effect of 17 β -estradiol on intracellular calcium homeostasis in human endothelial cells" published in the *European Journal of Pharmacology*.

Katerina Venderova
Had her coauthored article, "Parkinson's disease-linked LRRK2 is expressed in circulating and tissue immune cells and upregulated following recognition of microbial structures" published in the *Journal of Neural Transmission*.

Daniel Witcher '08
Nicole Sakai '08
Roshanak Rahimian
Leigh Anderson
Had their article "Gender differences in the effects of streptozotocin-induced diabetes on parasympathetic vasodilatation in the rat submandibular gland" published in *Archives of Oral Biology*.

Donald Shirachi '60
Emeritus

Coauthored a paper "Hyperbaric Oxygen Treatment Induces a 2-Phase Antinociceptive Response of Unusually Long Duration in Mice" published in the *Journal of Pain*.

Grants

Nancy DeGuire '89
Received the Walgreens Diversity Initiative Grant for \$8,000 annually for four years, at a total of \$32,000.

Katrin Mattern-Baxter
Received a grant for \$8,550 from the American Physical Therapy Association's Section on Pediatrics to fund her research. These funds will support her study entitled "Effects of a home-based intensive locomotor treadmill training program on gross motor function in young children with neuromotor impairment."

From the University of the Pacific, she received three grants: Center for Teaching and Learning Grant for \$1,560 to support the presentation "Use of Clickers in PT Education" at the Section on Pediatrics Annual Conference.

Faculty Research Grant for \$1,500 to support the presentation of "Short-Term and Long-Term Effects of Intensive Treadmill Training on Toddlers and Preschoolers with Cerebral Palsy" (coauthored with **Jim Mansoor**) and "Is Intensive Suit Therapy More Effective in Children with Cerebral Palsy with Higher Levels of Function than in Children with Lower Levels of Function? A Retrospective Study" (coauthors were **Stefani McNeil** and **Jim Mansoor**) at World Congress of Physical Therapy in Amsterdam.

Technology Fund for \$4,097 to support the acquisition of digital cameras to use in classroom teaching.

Jesika Faridi
Obtained a SAAG award for *A Novel Treatment for Diabetes*.

Katerina Venderova
Received a SAAG Award for \$3,200 to fund her research for genetic interactions of LRRK2 in dopaminergic neurons of a *Drosophila* model of Parkinson's disease.

Jim Uchizono
Obtained a SAAG award to study *Suicide takes an instant, but anti depressive therapy takes a lifetime*.

PHARMACY PRACTICE

PHYSICAL THERAPY

SPEECH LANGUAGE PATHOLOGY

PHYSICAL THERAPY

PHYSIOLOGY AND PHARMACOLOGY

PRE-HEALTH

OCTOBER

- 2 | Pharmacy Regional Alumni/Student Reception**
Sacramento, CA <http://pacificpahsalum.org>
- 8-12 | National Community Pharmacists Association (NCPA) Annual Convention and Trade Exposition**
Gaylord Opryland Resort & Convention Center · Nashville, TN www.ncpanet.org
- 16-19 | American College of Clinical Pharmacy (ACCP) Annual Meeting**
Pittsburgh, PA www.accp.com
- 20 | Pharmacy Regional Alumni/Student Reception**
Mission Bay Yacht Club · San Diego, CA <http://pacificpahsalum.org>
- 23-27 | American Association of Pharmaceutical Sciences (AAPS) Annual Meeting and Exposition**
Walter E. Washington Convention Center · Washington, DC www.aaps.org

NOVEMBER

- 3-6 | California Society of Health Systems Pharmacists (CSHP) Seminar**
Disneyland Hotel · Anaheim, CA www.cshp.org

The Thomas J. Long School of Pharmacy and Health Sciences would like to take this opportunity to thank the participants of the 2010-2011 Corporate Partners Sponsorship Program for their generous support of events and activities.

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- SaveMart
- Target
- Walgreens
- Walmart

We look forward to a continued relationship.

2011-2012 CALENDAR

Learn more about these events at www.pacific.edu/phs

- 16-18 | American Society of Consultant Pharmacists (ASCP) Annual Meeting and Exhibition**
Phoenix Convention Center · Phoenix, Arizona www.ascp.com
- DECEMBER
- 4-8 | American Society of Health Systems Pharmacists (ASHP) 2011 Midyear Clinical Meeting**
Ernest N. Morial Convention Center · New Orleans, LA www.ashp.org
- 2012 FEBRUARY
- 2-5 | California Pharmacists Association (CPhA) Outlook**
Hyatt Regency Hotel & Sacramento Convention Center · Sacramento, CA www.cpha.com
 - 8-11 | American Physical Therapy Association (APTA) Combined Sections Meeting**
McCormick Place Convention Center · Chicago, IL www.apta.org
- MARCH
- 9-12 | American Pharmacists Association (APhA) Annual Meeting & Exposition**
New Orleans, LA www.pharmacist.com
 - 15-18 | California Speech-Language-Hearing Association (CSHA) Annual State Convention**
The Fairmont Hotel · San Jose, CA www.csha.org
- MAY
- 18 | Thomas J. Long School of Pharmacy and Health Sciences Graduation Banquets**
University of the Pacific · Stockton, CA www.phsgradbanquets.com
 - 19 | Thomas J. Long School of Pharmacy and Health Sciences Commencement Ceremony**
A.G. Spanos Center · Stockton, CA www.phscommencement.com
- JUNE
- 14-18 | American Association of Colleges of Pharmacy (AACP) Annual Meeting & Seminars**
Orlando, FL www.aacp.org
 - 22-24 | Pacific Alumni Weekend**
University of the Pacific · Stockton, CA www.pacificalumni.org



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2010-2011

INTERACTIONS



ON THE COVERS Graduate students in the Doctor of Philosophy program conduct their research in state-of-the-art labs with modern equipment. Pictured on front are Doctor of Physical Therapy students observing a toddler during a child development lab in order to assess a development score.