

# UC San Diego Skaggs School of Pharmacy & Pharmaceutical Sciences Newsletter

Summer 2018

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## A Message from the Dean – James H. McKerrow, PhD, MD

While one often thinks that the summer months are a time of work slow-down and relaxation, in our School of Pharmacy the summer remains very active. Our faculty are busy preparing class material and curricula for incoming students. The Admissions team is finalizing the constituency of the first-year class. Many of us are traveling nationally and internationally to give talks in a variety of pharmaceutical and scientific meetings. Clinics that are supported by our faculty are not only open but very active. Finally, the scientific research carried out by our faculty continues throughout the summer as does training of our graduate students and postdoctoral fellows.



## Student News

### VA Stand Down in San Diego

By Annie Bui, P2 & Katherine Wu, P2

Veterans Village of San Diego (VVSD <https://vvsd.net/standdown/>) hosted VA Stand Down, its annual 3-day event that focused on bringing together Veterans from all over the San Diego area who battle with homelessness, poverty, unemployment, and lack of access to proper healthcare. In an effort to help these veterans reclaim their lives, the Stand Down provided food, clothing, shelter, and health screenings in addition to services related to legal, employment, and housing solutions for veterans.

As a supporter of the event, Veterans Affairs San Diego Healthcare System (VASDHS) provides medical services for the veterans. As part of the medical tent, the pharmacy team provides medication reconciliation and furnishes medications. The pharmacy team is supported by VA pharmacists, residents and technicians and community partners such as Scripps Health, Sharp Healthcare and UCSD pharmacy students. Our students worked directly with the medical team assisting with medication reconciliation by gathering detailed accounts of each Veteran's medication history.



Photo Credit: Veterans Village of San Diego (VVSD)

Student volunteers helped mainly in the medical triage and pharmacy tents alongside several nurses and pharmacists. With medication reconciliation, students were called to identify potential drug interactions and overcome challenges like helping veterans recall medication names and doses. In addition, students also assisted with medication dispensing and patient consultations under supervision.

The collaborative efforts of countless volunteers from UCSD and other organizations assisted over 300 patients. Over 800 veterans attended the event.

The VA Stand Down provided a unique opportunity for student pharmacists to learn about the San Diego veteran community as well as witness multiple professional fields coming together to aid homeless veterans. We would like to express our sincere thanks to all of the volunteers for helping make a difference in our local community.

Student Volunteers: Maher Alhaja, Annie Bui, Tran Bui, Lydia Chen, Steven Chen, Hailey Hirata, Jennie Huynh, Shelby Jones, Lytia Lai, Jefferson Luong, Matthew Mitchell, Trinh Nguyen, James Park, Akash Patel, Harpunit Sindhar, Urvashi Somani, Guannan Wang, Katherine Wu, and Yvonne Yap.

Message from the VASDHS Stand Down Coordinators:

Every year, VASDHS medical tent participates in VVSD's Stand Down event to provide medical services to engage veterans. The student pharmacy team depends on the VA employees who volunteer their time to participate as preceptors. We truly appreciate them for making it possible for us to support our veterans at this very important event. We would like to thank all the volunteers at Scripps Health and Sharps Healthcare, and the UC San Diego Skaggs pharmacy students for their commitment every year. Words can't describe the appreciation we have for your selflessness. Thank you again and we look forward to working with all of you next year!

Thank you to the VA, Scripps Health and Sharp healthcare pharmacy technicians, pharmacy residents and pharmacists for helping us every year. We really can't do this without any of you!

To UCSD Skaggs pharmacy students: Every year, we see great dedication and commitment to this event from the students. It was also great observing the enthusiasm all of you have in learning about the pharmacy profession. This year, we would like to provide special thanks to all the students but especially the coordinators, Annie Bui and Katherine Wu, for their coordination and training of all the pharmacy students. Feedback from the pharmacists stated that the students were "so great" and "extremely helpful." This speaks volumes on the work that Annie and Katherine did in training and coordination. Thank you to all of the volunteers, especially Annie and Katherine for your great work!

With much appreciation, the Stand Down Pharmacy Coordinators: Christina Dang, Khanh Nguyen, Michael Dunn, Nermeen Madkour, Ritu Joshi-Tett, Tamara Ogg, and Tim Chen

## Skaggs Students and Alumna Accepted for Platform Presentations at the Inaugural AAAS-AACP Students' Symposium

By Trinh Nguyen, P3

On June 13<sup>th</sup>, three Skaggs students and alumna submitted and presented their projects at the Inaugural American Association for the Advancement of Science Pacific Division – American Association of Colleges of Pharmacy (AAAS-AACP) Students' Symposium at California State Polytechnic University in Pomona, California. Dr. Hannah Nguyen, Elizabeth Duxbury and Trinh Nguyen gave three platform presentations to an audience of pharmacy professors, pharmacists and graduate students.

Dr. Hannah Nguyen, recent graduate and currently a UCSD PGY1 resident, presented on her project titled "Minimizing Drug Cost and Maximizing Efficacy in Student-Run Free Clinic (Phase I)". This project was precepted and co-authored by Dr. Eduardo Fricovsky and Dr. Tim Chen. In this project, Dr. Nguyen demonstrated how UCSD student-run free clinics can save thousands of dollars by switching patients to alternative medications with the same efficacy through a budget impact model and established therapy guidelines.



From left to right: Trinh Nguyen, Elizabeth Duxbury, and Dr. Hannah Nguyen

Elizabeth Duxbury, Class of 2019, presented on her project titled "Impact of a Multi-Disciplinary Tobacco Training Program on Prescribing Rates." The project explored how tobacco cessation trainings impacted overall prescribing rates of tobacco cessation pharmacotherapy. The project was precepted by Dr. Tim Chen

Trinh Nguyen, Class of 2020, presented on her project titled "Exploration of Residency Programs in California that Fulfill Key Advanced Practice Pharmacist (APh) Components," precepted by Dr. Tim Chen. The project reviewed residency programs' brochures and publications. The objective was to identify programs providing appropriate training to prepare residents to practice as APh upon completion of residency.

The symposium accepted abstracts for projects that were in progress, and preliminary data were presented. Overall, it was a great experience going through preparation for a short, 15-minute presentation followed by questions and answers. This is the first formal regional presentation for all the students and provided us with insight on what a professional presentation looks like.

More information and abstracts can be found at <http://associations.sou.edu/aaaspd/> or PDF link <http://associations.sou.edu/aaaspd/Proceedings/Proceedings37-WEB-LowRes.pdf>

## Annual AMCP Western Regional Conference

By Anna To, P1 and Jefferson Luong, P1

On July 7<sup>th</sup>, members of AMCP-UCSD attended the 11<sup>th</sup> Annual AMCP Western Regional Conference hosted by USC School of Pharmacy. AMCP Western Regional Conference is a student-hosted conference that allows students of all levels to attend workshops catered to them and to network with students and professionals from areas throughout the west coast. In total, 13 schools participated in this conference, some coming from as far away as Washington. Students had the opportunity to attend nine different workshops on topics such as New Care Models, Horizontal Merger, Biologics, Biosimilars, Biobetters, New Opportunities for Pharmacists and Pharmacy in Population Health. Students were also able to network with pharmacists from local Pharmacy Benefit Managements and participate in a quiz bowl where they were tested on managed care, pharmacy and pop culture trivia. We are looking forward to attending next year's conference at Western University College of Pharmacy in Pomona.



## SSPPS News

**“We should definitely do more of these simulation cases!”**

By Anne Gerd Granaas, Fulbright Scholar at SSPPS & Linda Awdishu, PharmD

*In May, 18 simulation patients with symptoms of a heart attack were treated by 72 inter-professional groups of 143 medical students, 60 pharmacy students and 65 nursing students at the Medical Education and*

*Telemedicine Building. This 6<sup>th</sup> annual event also involved 120 faculty and hospital professionals from all profession. But is such a simulation event really worth all the effort and costs?*

### **The art of teamwork**

The objective of simulation is that students provide patient-centered care based on their clinical reasoning, critical thinking and communication skills as a healthcare team. The communication needed to transfer patients from one to another level of care should be done through safe hand-off information using SBAR: Situation, Background, Assessment, and Recommendations.

The goal of this specific exercise is all about practicing teamwork. Students are divided into inter-professional teams comprised of 2-4 medical students, 1-2 pharmacy students, and 2-4 nursing students. Each team evaluates a patient in clinic. The team huddles together to share their respective professional opinions. As a team, they determine the patient's disposition and decides whether or not to transfer the patient to another student team in the emergency department (ED).



(All parties approved this photo to be shown in this newsletter.)

The nursing students already have 1400 hours of clinical experience in their pocket at the time of this event. The 2<sup>nd</sup>-year medical students and 3<sup>rd</sup>-year pharmacy students are comparably novice to the clinical setting. The simulation exercise is an opportunity to practice how the professions interact in the real world. It is all about collaboration, and feeling confident to contribute. For most students, this opportunity to practice communication with a critically ill simulation patient is unique. As young students are sent out to practice in the real world in healthcare institutions across the state, many may feel intimidated to speak up in certain situations. So, how can we as professionals empower them to communicate better? We train the students to say CUS: I am Concerned; I am Uncomfortable; I think this is a Safety issue

### **A logistic nightmare – a bit like planning a wedding**

As Director of Inter-professional Education and Simulation, Dr. Linda Awdishu has learned how to keep calm despite the many things that can go wrong. Booking 120 odd faculty and hospital professionals from three different educational programs is challenging, but doable. Getting 18 simulated patients to play out the same standardized scenario of a heart attack is now routine. Full parking lots and an announced strike on campus added spice and flavor this year. We could not have run this event without the administrative staff working at the highly technological Medical Education and Telemedicine Building on campus. However, is this simulation of inter-professional teamwork on standardized patients really worth the effort and money? Is it not “good enough” that students train on real patients in real hospitals?

**Nursing students: “This day increased my trust in pharmacists, because he put thought into it.”**

The judges of the question above are the students and what they have learned at the end of this rather labor-intensive day. At the debriefing session, the staff facilitators and the simulated patients evaluate the performance of the teams, not individual students. The students get the opportunity to evaluate how their team functioned and resolved the patients’ medical and humanistic needs. Mutual comments were that the teams struggled to discuss the diagnosis and therapy needed across the professional borders. At handover of the patient from clinic to ED, one group expressed “We all spit into professional groups, but we should just have stuck together... as a team.”

**“What happens in simulation stays in simulation.”**

The students were generally happy but they had numerous critical reflections as well. For the students it was challenging to know what each discipline could bring to the table. Some acknowledged that they made errors, questioned the appropriateness of the medicines they gave, or the fact that they did not interpret the heart monitor correctly. Students felt that working according to procedures was difficult, and said that this was something they should really have known already. They all acknowledged that they had to trust each other, and to be more clear when giving or receiving orders across the room. One medical student said: “It at times felt odd to give orders. I did not know how to respond when the nurse read information back to me.”

**Seeing the big picture – and developing the inter-professional pharmacy curricula at SSPPS**

The safest place to make errors is in this simulation facility. The SSPPS has over the six last years, developed relevant case scenarios. The cases have been published (1), however new scenarios and refinement of simulation equipment is constantly revised to make the simulation as real as possible. Talking to the patient in lay terms and communicating clearly is a challenge for all professions. Each discipline, however, has their own focus and list of priorities.

For pharmacy students, the largest challenge seems to be calculating and procuring medication on the spot whilst others are waiting. We also need to expand our curricula in advanced communication skills, physical assessment of patients and practicing as an advanced provider with prescribing authority. As technology is quickly surpassing human capability, pharmacists of the future will be receiving and assessing new forms of genetic and laboratory information. They will be an essential member of the health care team who uses their knowledge and advanced communication skills to optimize medications and empower patients through education.

So, was this simulation event with 560 people involved really worth all the effort and costs? We can only quote the students: “We should definitely do more of these simulation cases!”

1. A Large Scale Interprofessional Simulation Experience for Medical, Nursing, and Pharmacy Students. [Internet]. 2015. Available from: Available from: <https://www.mededportal.org/publication/10018>

## Outreach at Van Hanh Temple

By Binh Tran, PharmD

Asian Pacific Health Foundation went back to Van Hanh Temple in Santee on September 23 during the Mid-Autumn Festival, screening regular members at the temple as well as community dwellers. We thank Abbott Thich Thiện Ngộ and Dr. Hồ Sơn Ngộ, Vietnamese Community leader, for facilitating and coordinating the event.

Dr. Tram Nguyen performed HbA1c and cholesterol tests for patients, and Thuan Tran, RN drew blood samples for hepatitis B and C. James Cordero, Vivian Ngo, Megan Cheng and Zaki Zadah coordinated the registration, hypertension, osteoporosis and blood test stations. Nguyen Vo oversaw the operations. Dr. Hai Tran, and Dr. Tino Tran provided consults to patients after they had gone through the tests.

We appreciated the visit of Dr. Jennifer Lê and Dr. Robert Gish. Faculty at Skaggs School of Pharmacy and Pharmaceutical Sciences, who discussed future projects involving students.

We thank all the physicians, pharmacists, staff and volunteers for their valuable services to the community in Santee.

Participants at the event were:

From *Van Hanh Temple*:

Abbott Thich Thien Ngo, Dr. Ho Son Ngo, Mr. Nam Nguyen

From *APHF*: Robert Gish, MD, Hai Tran, DO, Jennifer Le, PharmD, Binh Tran, PharmD, Tram Nguyen, PharmD, Albertino Tran, PharmD, Thuan Tran, RN, Toai Pham

Program Manager: Nguyen Vo, P1 SSPPS

Outreach and Volunteer coordinators: Vivian Ngo, Megan Cheng, James Cordero

Project coordinator: Zaki Zadah

Volunteers: Donald Lu, Khoi Nguyen Ton, Kevin Lam, Thinh Nguyen, David Lam, Lynn Nguyen

Guests: Autumn Nguyen, Mr. and Mrs. Son Tran (Vietnamese Federation of San Diego), My Dang





## A Successful Hepatitis B Education in Biloxi

By Kayla Giang, PharmD

On June 11<sup>th</sup>, Dr. Kayla Giang traveled to Biloxi Mississippi to provide Hepatitis B Education to the Vietnamese community. The presentation was conducted at the Maritime & Seafood Industry Museum located at 115 E. 1st Street Biloxi, MS 39530. Over 40 members from the community attended the event and had a lively discussion. Thanks to Daniel Le, the Branch Manager BPSOS-Biloxi-Bayou La Batre, for providing APHF the opportunity to get in touch with the community in Biloxi.



## UC San Diego Launches New Center for Anti-Parasitic Drug Discovery and Development

*Interdisciplinary research team to address neglected tropical diseases that may become more common with climate change*

June 13, 2018 | Heather Buschman, PhD

Neglected tropical diseases are a group of chronic and disabling parasitic infections that primarily affect poor and underserved communities. These diseases affect more than one billion people globally, yet are rarely the target of new drug discovery efforts. According to the World Health Organization (WHO), global climate change will most likely alter the communities at greatest risk for these diseases, as changes in temperature and rainfall influence the distribution and life cycles of the insects that transmit these parasites.

In some cases, insects and the parasites they carry have already begun emerging in regions where they were previously unheard of, including the United States.

Leveraging its strengths in molecular biology, clinical research and pharmaceutical sciences, the University of California San Diego has now launched a new Center for Anti-Parasitic Drug Discovery and Development to address this unmet need in global health.

“These diseases are called ‘neglected’ because there is little economic incentive for the pharmaceutical industry to intervene,” said James McKerrow, MD, PhD, Distinguished Professor, Dean of Skaggs School of Pharmacy and Pharmaceutical Sciences at UC San Diego and head of the new center. “Since we are a public university, we have a duty to meet that challenge.”

“The center will involve 15 research and clinical faculty at UC San Diego, representing three schools and five departments — an unprecedented, interdisciplinary cadre of scientists dedicated to helping alleviate diseases of the poor worldwide,” McKerrow said.

UC San Diego researchers use robotic technology to screen hundreds of thousands of chemical compounds from a variety of sources — including drugs abandoned by pharmaceutical companies and marine natural products — for their ability to kill parasites while leaving human cells unharmed. More than



These children live in Bangladesh, where UC San Diego researchers are leading a clinical trial to determine if a repurposed rheumatoid arthritis drug can be used to treat amebiasis and giardiasis. Image source: Flickr/IRRI

ten disease-causing parasites are maintained and used for drug screening at UC San Diego. When promising drug precursors are identified, in-house experts can computationally and chemically optimize them, and further test the compounds in laboratory experiments and animal models of disease. This drug development pipeline is supported by UC San Diego Altman Clinical and Translational Research Institute, where researchers are able to carry out the entire process of drug discovery and development, including human clinical trials.

With modest support to date, the center's researchers are already leading advances in drug discovery and development for neglected parasitic diseases. For example, team members are developing a chemical compound for the treatment of malaria; working with pharmaceutical companies to develop potential drugs for Chagas Disease and schistosomiasis; and leading a clinical trial in Bangladesh to determine if a repurposed rheumatoid arthritis drug can be used to treat amebiasis and giardiasis.

In addition, UC San Diego is the only place outside the Centers for Disease Control and Prevention (CDC) working with the animal model for *Naegleria Fowleri*, a universally fatal brain-eating amoeba that can infect people swimming in warm freshwater worldwide, including the United States.

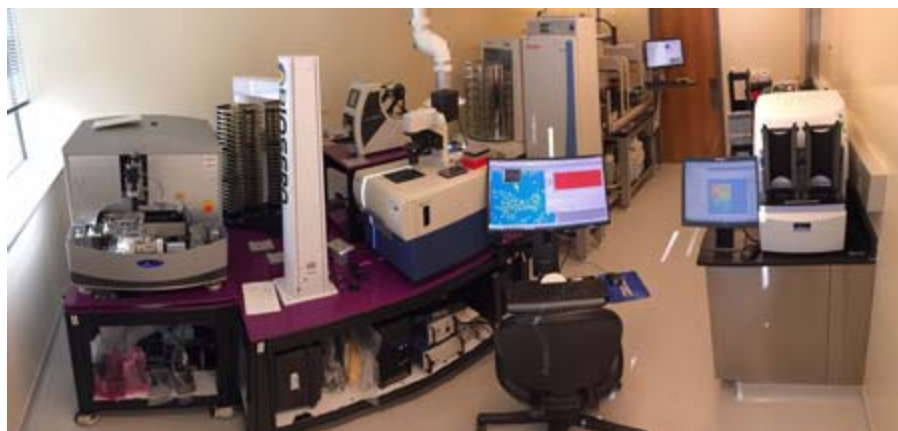
Now, thanks to seed funding from the UC San Diego Chancellor's office, McKerrow and the center team can take the first steps to streamline these efforts and more rapidly move their initial findings along the drug pipeline.

"No other center is equipped to study this many organisms and target the diseases they cause," McKerrow said. "No other entity — academic, government or industrial — covers the spectrum of parasite research and drug discovery from basic science to clinical trials at one site."

The UC San Diego Center for Anti-Parasitic Drug Discovery and Development includes:

### **Skaggs School of Pharmacy and Pharmaceutical Sciences**

Ruben Abagyan, PhD  
Carlo Ballatore, PhD  
Conor Caffrey, PhD  
Anjan Debnath, PhD  
Jair Lage de Siqueira-Neto, PhD  
James McKerrow, PhD, MD  
Jeremiah Momper, PharmD, PhD  
Anthony O'Donoghue, PhD  
Larissa Podust, PhD  
Dionicio Siegel, PhD



The robotic drug screening facility in Skaggs School of Pharmacy and Pharmaceutical Sciences at UC San Diego allows researchers to rapidly and reproducibly test hundreds of thousands of chemical compounds (potential drug precursors) for their abilities to kill the parasites that cause neglected tropical diseases.

## School of Medicine

Lars Eckmann, MD  
Sharon Reed, MD  
Joseph Vinetz, MD  
Elizabeth Winzeler, PhD

## Division of Biological Sciences

Emily Troemel, PhD

## Scripps Institution of Oceanography

William Gerwick, PhD

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## SSPPS Faculty News

### By Angela Phillips Diaz, MBA Executive Director, Government Research Relations Office of Research Affairs

Dr. Charles Daniels, UC San Diego Health's Pharmacist-In-Chief, has received an invitation from the American Hospital Association (AHA) to be a key participant in the AHA's unveiling of hospital-wide 340B program integrity standard on September 18 at the National Press Club in DC. Dr. Daniels serves on the AHA's 340B Board Task Force (13-member group). Dr. Daniels, along with two other task force members, will participate in the National Press Club event which will largely be covered by the health policy press.

Background: For the past few months, the AHA's 340B Board Task Force has been devising a program integrity standard for 340B hospitals that's workable. The hope is to present this standard voluntarily to members of Congress and have the AHA hospitals and others in the hospital community agree to abide by it. Along with Dr. Daniels, Julie Clements Director of Health & Clinical Affairs, UC Federal Governmental Relations, and Margia Corner, UC Health Principal Counsel, have been instrumental in participating in the task force and developing program integrity principles that will allow good stewardship of the 340B Program without being burdensome or ineffective. Dr. Daniels' Congressional testimony earlier this year made a significant impact as he is highly regarded and respected. His participation also further enhances the profile and visibility of UC San Diego in critical, significant, & impactful health care policy venues.

The goal of devising a program integrity standard that is supported by all types of 340B hospitals (DSH, Critical Access, Sole Community, etc.) to proactively inform members of Congress that we're open to showcasing how we're using the 340B discount to benefit underserved patients, and that we have a standard formula for calculating the costs our hospitals avoid paying for outpatient drugs due to the discount along with capturing revenue they receive from their contracts with participating 340B contract pharmacies.

Julie Clements will provide staff support to Dr. Daniels for the September event much as she did for the congressional hearing. She has managed the UC vetting with Dr. Stobo and the clinical and administrative leadership at UC San Diego Health (the CMO, CEO, and CFO). Julie will keep us advised as more clarity on the details develops. She also works closely with Zach Schlagel.

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## Visiting Professor Jean-Pierre Changeux honored with 2018 ALBERT EINSTEIN World Award of Science

In an article in the 2018 SSPPS Spring Newsletter a portion of the information was not included. Below is the missing information regarding Jean-Pierre Changeux:

**SSPPS Sabbatical Visitor, Jean-Pierre Changeux honored with 2018 Albert Einstein World Award of Science.** Jean-Pierre Changeux, who has been a sabbatical visitor from the College de France and the Pasteur Institute to SSPPS for the past seven years during the months of January through March was recently notified that he was selected for the above award. During Changeux's sabbatical visits, he has given campus and San Diego-wide seminars on such diverse subjects as: *Art and Science in the Age of Enlightenment: from Newton to the Bill of Rights*; *Allosteric Mechanism of Signal Transduction: Molecular and Atomic Considerations*; and *Brain Mapping to Model Drug Discovery in the Central Nervous System*.

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**Endowed Chairs Investiture.** Health Sciences, with its two professional schools, Medicine and Pharmacy had an investiture for their existing 54 Endowed Chairs on May 21, 2018. The year coincides with the 50<sup>th</sup> anniversary of the School of Medicine. The first class of 46 medical students were admitted in Fall of 1968 and graduated in 1972. Our medical classes have grown to 130 students. The Skaggs School of Pharmacy & Pharmaceutical Sciences, with its charter class entering in 2002, currently has two faculty holding endowed chairs. Dr. Michael Gilson, Professor and Co-director of the Center for Drug Discovery and Innovation, holds the Chair in Computer-aided Drug Discovery, established by campus funds associated with his recruitment in 2010. Palmer Taylor, Professor and Dean Emeritus, holds the Sandra and Monroe Trout Chair in Pharmacology, established by the Trout family in 1993 for the Department of Pharmacology.

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## Faculty News

### First person – Nelly El-Sakkary

© 2018. Published by The Company of Biologists Ltd | Disease Models & Mechanisms (2018): doi:10.1242/dmm.033563: Supplementary information  
The following is a short excerpt from the article in The Company of Biologists Ltd Disease Models & Mechanisms (2018)

First Person is a series of interviews with the first authors of a selection of papers published in Disease Models & Mechanisms, helping early-career researchers promote themselves alongside their papers. Nelly El-Sakkary is first author on 'Octopamine-signaling in the metazoan pathogen *Schistosoma mansoni*: localization, small-molecule screening and opportunities for drug development', published in DMM. Nelly conducted the research while a PhD student in the lab of Paula Ribeiro at McGill University, Canada. She is now a postdoctoral researcher in Conor R. Caffrey's lab at the University of California, San Diego, USA, where she focuses on improving human health through pre-clinical drug discovery using molecular and genomic tools.



To read the full article:

<http://dmm.biologists.org/content/dmm/suppl/2018/07/27/dmm.033563.DC2/DMM033563supp1.pdf>

## Alumni News

Did you hear the news? UC San Diego is hosting a big Homecoming Weekend, from **October 19-21!** It's going to be campus-wide fun over three days, with free soccer games and a beer garden on Friday night; a Saturday night Triton Tailgate music festival; and numerous athletic games, arts events, and special campus tours throughout the weekend. Friends and family members of all ages are welcome! It's going to be a great time to be back on campus and reconnect. Everyone can tour campus and revisit the old haunts.

Even better: you can use discount code "**SWEET**" for \$5 off registration. Check out the lineup: [alumni.ucsd.edu/homecoming](http://alumni.ucsd.edu/homecoming).

Hope to see you there!



Please join us in congratulating our two UC San Diego Medical Center Pharmacy Managers, **Laura Lafranchise** and **Jennifer Mai** in their new roles! We look forward to them starting in late August / early September.



**Dr. Laura Lafranchise** graduated from UC San Diego Skaggs School of Pharmacy and Pharmaceutical Sciences (SSPPS) in 2010. She then continued on to complete a PGY1 in Acute Care at UCSDH in 2011 before starting her pharmacy career. In the past six years, she has been working in the evenings primarily in operations and medicine-surgical units. Some of her projects have included working on missing medications, sterile compounding / batching, and PD dialysis workflow. She was also a Frontline Impact graduate from UCSDH. Her interests include reducing waste, increasing productivity and creating a happy work environment. Lastly, if you didn't know already, Laura is a dedicated / original member of the running group but still hangs out with the foodies. Laura is excited to transition into

her new role!



**Dr. Jennifer Mai** graduated from the UC San Diego SSPPS in 2009 and completed her PGY1 pharmacy residency at UCSDH in 2010. She has been an inpatient clinical pharmacist for nine years in the areas of critical care, emergency medicine, and central operations.

For the last four years, she has served as Clinical Coordinator/Supervisor over Critical Care Pharmacy Services and initiated the PGY2 Critical Care Program at Oregon Health & Science University. She was involved in several hospital initiatives to advance clinical practice, improve medication safety, and reduce drug spending. Outside of work, she enjoys spending time with her two girls (two and four years old), watching movies, and trying new foods.

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**Nina Haste**, PharmD, PhD has been promoted to the position of UC San Diego Medical Center (Hillcrest) Pharmacy Specialist for Infectious Disease and Antimicrobial Stewardship.

Dr. Haste is well known to most of you. She is a graduate of the Skaggs School of Pharmacy and Pharmaceutical Sciences. She also completed a PhD as part of the PharmD/PhD in Biomedical Sciences at UC San Diego. Nina completed PGY1, then PGY2 in Infectious Disease Pharmacy at UC San Diego Medical Center. Since completion of residency training, Nina has been a member of the UC San Diego Health Pharmacy staff where she has worked on several projects related to antimicrobial use. She will assume her new duties this Fall.

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## UC San Diego Biomedical Library

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