



CEDARS-SINAI MEDICAL CENTER
DEPARTMENT OF PHARMACY SERVICES
PHARMACY RESIDENCY PROGRAMS
2022 - 2023

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About Cedars-Sinai



Since its beginning in 1902, Cedars-Sinai has evolved to meet the healthcare needs of one of the most diverse regions in the nation, continually setting new standards in quality and innovation in patient care, research, teaching and community service. Today, Cedars-Sinai is widely known for its national leadership in transforming healthcare for the benefit of patients.

Cedars-Sinai is one of the largest nonprofit academic medical centers in the U.S. with 886 licensed beds, 2,100 physicians, 3,000 nurses and thousands of other healthcare professionals and staff. Clinical programs range from primary care for preventing, diagnosing and treating common conditions to specialized treatments for rare, complex and advanced illnesses. In addition, Cedars-Sinai serves the community through its Medical Network, which includes the highly rated Cedars-Sinai Medical Group and Cedars-Sinai Health Associates.

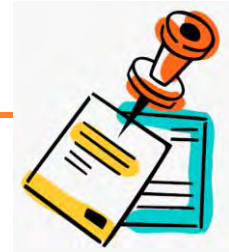
Cedars-Sinai has consistently been named one of America's Best Hospitals by U.S. News & World Report, has received the National Research Corporation's Consumer Choice Award 20 years in a row for providing the highest quality medical care in Los Angeles, and has the longest running Magnet designation for nursing excellence in California.

Cedars-Sinai is a leader in the clinical care and research of heart disease, cancer and brain disorders, among other areas. Pioneering research achievements include using cardiac stem cells to repair damaged hearts, developing minimally invasive surgical techniques and discovering new types of drugs to target cancer more precisely. Cedars-Sinai also impacts the future of healthcare through education programs that encompass everything from highly competitive medical residency and fellowship programs to a biomedical science and translational medicine PhD program, advanced training for nurses and educational opportunities for allied health professionals. Most notably, Cedars-Sinai demonstrates a longstanding commitment to strengthening the Los Angeles community through wide-ranging programs that improve the health of its most vulnerable residents.

Cedars-Sinai – Fast Facts



2021 Report to the Community *Figures based on FY2020*



Licensed beds: 1,022

Admissions: 51,482

Emergency visits: 119,151

Outpatient visits: 1,290,323

Active research projects: >2,000

Active clinical trials: 584



U.S. NEWS & WORLD REPORT 2021-22

Ranked #6 nationally

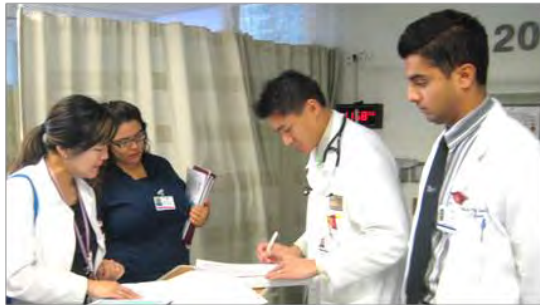
11 specialties ranked nationally:

cancer (#9); cardiology & heart surgery (#3); diabetes & endocrinology (#21); ear, nose and throat (#18); gastroenterology & GI surgery (#2); geriatrics (#10); gynecology (#12); neurology & neurosurgery (#11); orthopaedics (#3); pulmonology & lung surgery (#3); urology (#7)

We are the top Medicare provider in California based on Office of Statewide Health Planning and Development (OSHPD) FY18 data.

ABOUT THE DEPARTMENT

Pharmacists are key members of the expert team of physicians, nurses and other healthcare professionals who make Cedars-Sinai known around the world. The Pharmacy Department consists of more than 400 staff members providing industry-leading, evidence-based medicine. Our preceptors have been recognized by multiple schools of pharmacy for their mentorship and preceptorship. Our staff members are involved in several academic activities, including publications and presentation at national professional meetings.



About Cedars-Sinai and the Pharmacy

- Nonprofit, acute, tertiary-care, teaching hospital
- 886 licensed beds
- Over 100 intensive care unit beds
- Level I trauma center
- Decentralized clinical pharmacy services
- Transitions of care services
- Emergency Department pharmacy services
- Operating Room pharmacy services
- Drug Use Policy
- Solid organ transplant services
- Ambulatory care clinics
- Outpatient pharmacy services
- Comprehensive cancer institute, inpatient and outpatient cancer center

Clinical Services

- Receipt and evaluation of all physician orders to ensure optimal medication management. Orders are assessed to ensure the absence of allergies, contraindications and drug interactions, appropriateness of medication selection, dosage, route, frequency and duration of administration.
- Therapeutic drug monitoring for medications with a narrow therapeutic index. Several drug therapies are dosed and monitored by the pharmacists using approved protocols, including aminoglycosides, vancomycin and anticoagulation therapies.
- Rounds with the medical staff.
- Participation on the Code Blue Team.

Our Pharmacy Residency Programs

- PGY-1 Pharmacy Practice Residency (ASHP accredited; 6 residents)
- PGY-2 Hematology/Oncology
- PGY-2 Health-System Pharmacy Administration Residency
- PGY-2 Transitions of Care Residency
- PGY-2 Hematology/Oncology Residency
- PGY-2 Antimicrobial Stewardship
- PGY-1/2 Specialty Pharmacy Residency

Central Pharmacy Services

The Central Pharmacy consists of multiple programs and services which support the medication use process, including:

- Sterile Compounding
- Central Robot and Carousels
- Controlled Medication Management
- Purchasing
- Unit Dosing
- Extemporaneous Compounding

Outpatient Services

The Pharmacy operates 3 outpatient pharmacies: The Ambulatory Care Pharmacy, The 310 Surgery Center Pharmacy and The San Vicente Pharmacy. The Ambulatory Care Pharmacy provides prescription services for discharge patients, Ambulatory Care Center patients, & emergency patients.

The outpatient clinical pharmacists provide clinical services in the areas of anticoagulation, diabetes education, therapeutic management, medication consultation for patients with Left Ventricular Assist Devices, and evaluation of infusion therapies including biologic and other medications used in the treatment of chronic diseases

DEPARTMENT OF PHARMACY SERVICES ADMINISTRATION TEAM



Rita Shane, Pharm.D., FCSHP, FASHP

Vice President and Chief Pharmacy Officer
Professor of Medicine, Cedars-Sinai Medical Center
Assistant Dean, Clinical Pharmacy, UCSF School of Pharmacy
Rita.Shane@cshs.org

-----Executive Directors -----

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Pharmacy Services and Inpatient
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-----Associate Directors -----

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Emergency Department
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Hai Tran, Pharm.D., BCPS
Drug Use Policy; Antimicrobial Stewardship;
Clinical Pharmacy Prior Authorization
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Nazeli Bairamian, Pharm.D., BCGP
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Allen Ahn, Pharm.D.
Allen.Ahn@cshs.org

Our staff has always been at the front and center of all things medication-related. We've been featured on various platforms over the past year for our engagement in educating patients. We proactively share with fellow colleagues the highlights of our profession, medication management and patient care!



Bridging the Knowledge Gap Between Biosimilars and Biologics

Kathryn Stecklein, Pharm.D., our oncology pharmacist, spoke at last year's CSHP seminar on biosimilars and biologics.

Los Angeles, Jan 21, 2019



Cedars-Sinai Pharmacists Play Key Role in Transforming Clinical Practice

Los Angeles, Jun 24, 2019

How to Safely Get Rid of Unused Medications

Los Angeles, May 17, 2020

COVID-19: Don't Stop Taking Your Medications

“Do not delay refilling prescriptions. If you have a chronic condition like diabetes, high blood pressure or high cholesterol, or you are on blood thinners, you might not feel the effects of skipping doses right away.

However, missing medication doses can seriously harm your health and even send you to the emergency room ”

Christine Armbruster, Pharm.D.

“I've dedicated my career to medication safety and keeping patients safe. We must consider patients first when dealing with biosimilars. ”

Rita Shane, Pharm.D.

Vice President and Chief Pharmacy Officer



2nd Annual

Center for Research in Women's Health and Sex Differences (CREWHS) Symposium

Miah Pollack, Pharm.D., Veena Rushi, Pharm.D. and Phong Ho, Pharm.D. prepared and gave a talk on “Gender Pharmacological Disparities: Does one drug fit?” at the recent CREWHS Symposium!



PGY1 Pharmacy Residency

Cedars-Sinai Medical Center established our PGY1 Pharmacy Residency in 1985 under the vision and mentorship of Dr. Rita Shane. Dr. Frank Saya served as the Residency Program Director for over 25 years and laid the foundation to train many of our accomplished pharmacists.

Since the inception of the residency, the department has grown exponentially and expanded the PGY1 program from a single resident per class to our current 6 PGY1 residents. Nearly 100 residents have graduated from our PGY1 pharmacy residency and approximately half of our graduates have stayed on at Cedars-Sinai. With the hard work put forth by our past residents, we created many unique and specialized pharmacist roles throughout the medical center.

These include, but are not limited to:

- Drug Use Policy Anticoagulation Specialist position established by Dr. Sylvia Martin-Stone
- ED pharmacy services spearheaded by Dr. Roshy Aazami
- OR pharmacy services established by Dr. Kaman Chung
- Neuro/Stroke ICU pharmacy services established by Dr. Amanda Rosen
- Cardiac ICU pharmacy services established by Dr. Allison Komatsu Chang
- Neurosurgery pharmacy services spearheaded by Dr. Desai Wu
- Transitions of Care services initiated by Dr. Olga Rosen

Additionally, our CSMC department has created several specialized and innovative specialty residency programs that have further honed the skills and interests of our residents, such as Administration, Oncology, Antimicrobial Stewardship, and Transitions of Care.

Program Structure

Learning Experience	Acute Care Track	Ambulatory Care Track
Core Learning Experiences		
Orientation	2 weeks	2 weeks
Operations	4 weeks (inpatient focus)	6 weeks (ambulatory care focus + staffing)
Administration	6 weeks	6 weeks
Internal Medicine	4 weeks	4 weeks
Drug Information	4 weeks	4 weeks
Infectious Diseases	4 weeks	4 weeks
ICU rotation* (select 1 of the 5 ICU rotations listed below)	4 weeks	4 weeks
Transitions of Care	Longitudinal (12 months)	Longitudinal (12 months)
WSC Project	Longitudinal	Longitudinal
Weekend Staffing (Longitudinal) Starting in August	4 weeks + Longitudinal Inpatient decentral areas	Longitudinal Outpatient pharmacy clinical reviews
Electives		
Medication Therapy Management	4 weeks	Longitudinal^ (~1 day per week)
Primary Adult Care & Neurology Clinic	4 weeks	6 weeks/Longitudinal^
Advanced Heart Failure	4 weeks	4 weeks^
Specialty Pharmacy	4 weeks	6 weeks^
Supportive Care Medicine	4 weeks	2 weeks
Surgery & Anesthesiology	4 weeks	---
Pediatrics	4 weeks	---
Oncology		
Inpatient oncology	4-6 weeks	---
Outpatient oncology	4-6 weeks	4-6 weeks
Emergency Department	4 weeks	--
Intensive Care Units		
Neuro/Stroke ICU*	4 weeks	---
Cardiac Surgery ICU*	4 weeks	---
Medical ICU*	4 weeks	---
Cardiac ICU*	4 weeks	---
Trauma/Surgery ICU*	4 weeks	---
Transplant		
Kidney & Pancreas	4 weeks	2 weeks
Liver	4 weeks	---
Heart	4 weeks	---
Lung	4 weeks	2 weeks
Informatics	4 weeks	---
Women's Health	4 weeks	---

Benefits

Benefits include 26 days of Vacation and Holiday Time (VHT), 10 of which are used for educational days, as well as medical and dental insurance.

Application

Motivated individuals with initiative and a commitment to excellence are encouraged to apply. Additionally, successful applicants should possess superior verbal and written communication skills. Interested applicants must apply through PhORCAS. Applications are due by December 31, 2021.

Director, PGY-1 Residency Program, Education Coordinator



Kallie Amer, Pharm.D., BCPS

Dr. Kallie Amer is the Education Coordinator and PGY1 Residency Program Director (RPD) at Cedars-Sinai Medical Center (CSMC). As the Education Coordinator, Dr. Amer oversees the student experiential program at CSMC, where approximately 200 APPE and IPPE student rotations are offered each year to multiple schools of pharmacy. As the PGY1 RPD, she is responsible for coordinating the PGY1 residency program, supervising and mentoring residents throughout their year at CSMC, and providing preceptor development opportunities.

Dr. Amer completed her ASHP-accredited PGY1 pharmacy residency in 2016 at Ascension St. John Hospital and Medical Center in Detroit, Michigan where she received a teaching certificate from Wayne State University College of Pharmacy. In 2016, she moved to Los Angeles and completed a PGY2 in Transitions of Care at CSMC. Dr. Amer has served as an APPE preceptor for transitions of care, co-preceptor for PGY1 and PGY2 residents, as well as a faculty member for the transitions of care certificate program from CSHP and Cedars-Sinai.

Prior to Dr. Amer's current role, she practiced as a Transitions of Care pharmacist at Cedars-Sinai (2017-2019) where she helped maintain competency and training documents, pilot different transitions of care services to further develop the program and participated in research. She is a member of CSHP and ASHP, and her professional interests include patient education and adherence, heart failure, and care transitions. Outside of work, she enjoys spending time with family and friends, travel, and dessert.

Education and Training

- University of Michigan College of Pharmacy, Ann Arbor, MI 2015
- PGY-1 Pharmacy Residency, Ascension St. John Hospital and Medical Center, Detroit, MI
- PGY-2 Transitions of Care Residency, Cedars-Sinai Medical Center, Los Angeles, CA

School of Pharmacy Affiliations

- UCSF Assistant Clinical Professor
- USC Adjunct Assistant Professor
- Preceptor for University of Southern California, Western University, University of California, San Francisco

Teaching Experience

- PGY1 and PGY2 Project Preceptor
- PGY1 Transitions of Care Longitudinal Rotation, Preceptor
- APPE Transitions of Care Rotation, Preceptor

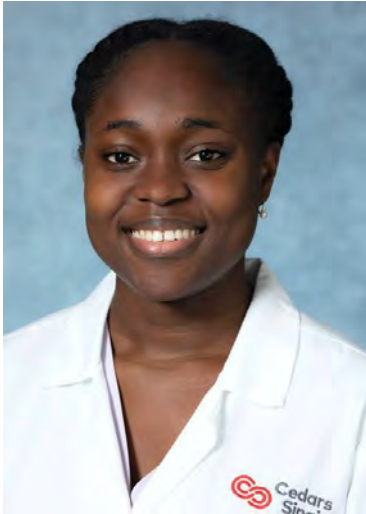
Professional Activities and Awards

- California Society of Health-System Pharmacists, Transitions of Care Certificate Faculty, 2017-2018
- American Society of Health-System Pharmacists
- California Society of Health-System Pharmacists

Selected Publications

- Pevnick JM, Anderson LJ, Chirumamilla S, Luong DD, Noh LE, Palmer KA, Amer K, Shane R, Nuckols TK, Lesser R, Schnipper JL and the PHARM-DC group. Tools and Tactics for Post-Discharge Medication Management Interventions. In press, American Journal of Health-System Pharmacy.
- Shane R, Amer K, Noh L, Luong D, Simons S. Necessity for a pathway for “high-alert” patients. American Journal of Health-System Pharmacy. Volume 75, Issue 13, 1 July 2018, Pages 993–997, <https://doi.org/10.2146/ajhp170397>. [Commentary]
- Amer K. “Finding a New Equilibrium as a Resident with a New Son.” Letters from Pharmacy residents: Navigating your career. Ed. Sara White, Susan Boyer, and Harold Godwin. Bethesda: ASHP. 2018.
- Poster: Amer K, Luong D, Rosen SL, Tantipinichwong N, Rosen O, Shane R. Pharmacist Discharge Counseling and Reconciliation (PharmDCore). American Geriatrics Society Annual Scientific Meeting (San Antonio, TX). May 2017.
- Amer K, Hurren JR, Edwin SB, Cohen G. Regadenoson versus dipyridamole: A comparison of the frequency of adverse events in patients undergoing myocardial perfusion imaging. Pharmacotherapy. 2017; 37(6):657-661. DOI: 10.1002/phar.1940. [Peer reviewed]

2021-2022 Residency Class



Rashshana Blackwood, Pharm.D.

Cedars-Sinai PGY1 Pharmacy Resident

What pharmacy school did you attend?

Medical University of South Carolina

During your very limited "free time," what do you like to do for fun (i.e. hobbies)?

Enjoys photography, traveling, and spending time with family and friends

What is something people would be surprised to know about you?

I was born in Jamaica

If you could visit anywhere in the world, where would it be?

Greece

Where do you see yourself in 5 years?

Practicing clinical pharmacy and having a family

What is one of your guilty pleasures?

Explore new food places



Stephanie Chen, Pharm.D.

Cedars-Sinai PGY1 Pharmacy Resident

What pharmacy school did you attend?

UCSF School of Pharmacy

During your very limited "free time," what do you like to do for fun (i.e. hobbies)?

Swing dancing, caring for houseplants, trying new restaurants, and spending time with friends and family

What is something people would be surprised to know about you?

I used to be a professional swing dancer

If you could visit anywhere in the world, where would it be?

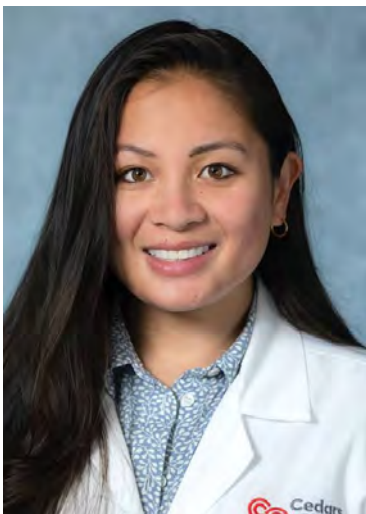
Rome...I am in serious need of some pasta and gelato

Where do you see yourself in 5 years?

Working as a board-certified pharmacist and precepting students in the chaos that is the Emergency Department

What is one of your guilty pleasures?

Reality television and baked goods



Keana Mendoza, Pharm.D.

Cedars-Sinai PGY1 Pharmacy Resident

What pharmacy school did you attend?

Western University of Health Sciences

During your very limited "free time," what do you like to do for fun (i.e. hobbies)?

Traveling to different freshwater lakes and participating in recreational large-mouth bass catch-and-release fishing, cooking, divulging in true crime shows and crocheting

What is something people would be surprised to know about you?

I was born at a Chevron gas station

If you could visit anywhere in the world, where would it be?

Greece

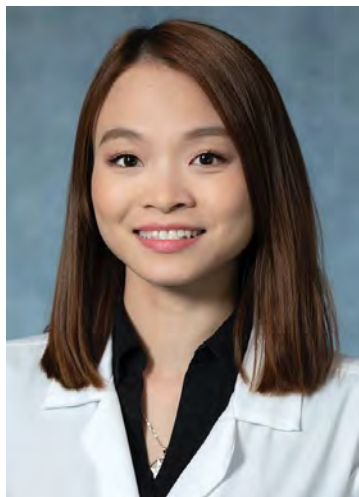
Where do you see yourself in 5 years?

Working as a board-certified clinical pharmacist and precepting students

What is one of your guilty pleasures?

Baking and large mouth bass fishing

2021-2022 Residency Class



Yen Luu, Pharm.D.

Cedars-Sinai PGY1 Pharmacy Resident

What pharmacy school did you attend?

USC School of Pharmacy

During your very limited "free time," what do you like to do for fun (i.e. hobbies)?

Netflix, Crunchyroll, reading, jigsaw puzzle, and cooking with my husband

What is something people would be surprised to know about you?

I met my husband of 10 years in 6th grade

If you could visit anywhere in the world, where would it be?

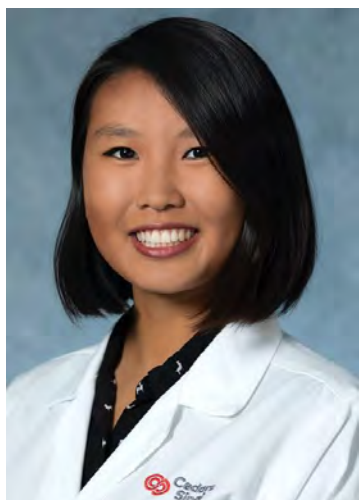
Santorini, Taiwan, and the seven wonders of the world

Where do you see yourself in 5 years?

Practicing as an oncology pharmacist and being a mother

What is one of your guilty pleasures?

Binging anime on the bed while eating rambutans



Michelle Zhao, Pharm.D.

Cedars-Sinai PGY1 Pharmacy Resident

What pharmacy school did you attend?

UCSF School of Pharmacy

During your very limited "free time," what do you like to do for fun (i.e. hobbies)?

Traveling, running, knitting

What is something people would be surprised to know about you?

I am a scuba diver at local aquariums and am certified to do underwater research

If you could visit anywhere in the world, where would it be?

Maldives, Netherlands, Antarctica

Where do you see yourself in 5 years?

Putting out fires as a board-certified critical care pharmacist

What is one of your guilty pleasures?

Cold Stone cake batter ice cream with Twix



Elizabeth Radchik, Pharm.D.

Cedars-Sinai PGY1 Ambulatory Care Pharmacy Resident

What pharmacy school did you attend?

USC School of Pharmacy

During your very limited "free time," what do you like to do for fun (i.e. hobbies)?

Attempt to plan my wedding

What is something people would be surprised to know about you?

In high school I was a total music geek-participated in marching band, the president of my choir, and a volunteer music therapist at Kaiser Permanente

If you could visit anywhere in the world, where would it be?

Ukraine

Where do you see yourself in 5 years?

Working as a board-certified ambulatory care pharmacist

What is one of your guilty pleasures?

True crime podcasts

2021-2022 Residency Class



Katrina Ordoñez, Pharm.D.

Cedars-Sinai PGY1-PGY2 Specialty Pharmacy Resident

What pharmacy school did you attend?

USC School of Pharmacy

During your very limited "free time," what do you like to do for fun (i.e. hobbies)?

Playing video games with friends, watching movies with family, playing with my pets

What is something people would be surprised to know about you?

I was a music major in high school (what kind of high school has majors)

If you could visit anywhere in the world, where would it be?

Jakarta, Indonesia to visit my best friend

Where do you see yourself in 5 years?

Practicing as a specialty pharmacist

What is one of your guilty pleasures?

Playing MMORPG with a gacha feature



Yervant Malkhasianz, Pharm.D.

Cedars-Sinai PGY2 Transitions of Care Pharmacy Resident

What pharmacy school did you attend?

USC School of Pharmacy

During your very limited "free time," what do you like to do for fun (i.e. hobbies)?

Playing soccer, watching sports, and spending same time family

What is something people would be surprised to know about you?

I attended dental school for 3 years back home when I was in Iraq

If you could visit anywhere in the world, where would it be?

London

Where do you see yourself in 5 years?

Transitions of care pharmacist where I would be an integral member of multidisciplinary healthcare team to improve patients experience as they transition between different levels of care while providing medication expertise to the team

What is one of your guilty pleasures?

Eating In-N-Out burger every other weekend



Naweid Maten, Pharm.D.

Cedars-Sinai PGY2 Infectious Disease Pharmacy Resident

What pharmacy school did you attend?

University of Colorado, Denver

During your very limited "free time," what do you like to do for fun (i.e. hobbies)?

I am a huge foodie! I love to go out and try new restaurants, especially all of the dessert hot spots! I love to travel and will hopefully get to go to Europe again when the pandemic is finally over. On weekends I enjoy going to the movies, hiking, and shopping!

What is something people would be surprised to know about you?

I am tri-lingual. I am fluent in English, Spanish, and Farsi.

If you could visit anywhere in the world, where would it be?

I would probably visit a country in South America. Peru has always been on my list, so that would be my first stop!

Where do you see yourself in 5 years?

I hope to stay on at CSMC as a Stewardship Pharmacist and expand my clinical expertise here while also precepting students and participating in infectious disease organizations.

What is one of your guilty pleasures?

My guilty pleasure is watching the Real Housewives series. Atlanta is my favorite, followed by Beverly Hills!

PGY-1 Pharmacy Preceptors

Administrative

Rita Shane, Pharm.D., FASHP, FCSHP

Vice President and Chief Pharmacy Officer,
Professor of Medicine,
Assistant Dean, Clinical Pharmacy-
UCSF School of Pharmacy

Vipul Patel, Pharm.D.

Executive Director- Pharmacy
Services/Inpatient Oncology

Hai Tran, Pharm.D., BCPS

Associate Director- Drug Use Policy



Jiwon Kim, Pharm.D., MHA, BCPS, FCSHP

Associate Director – Pharmacy Services



Ambulatory Care

Nazeli Bairamian, Pharm.D., BCGP

AHSP Pharmacy Pharmacist-In-Charge
Program Coordinator

Roger Lee, Pharm.D.

Ambulatory Care Clinical Pharmacist



Central Pharmacy

Diana Laubenstein, Pharm.D.

Associate Director- Central/Diagnostic &
Procedural Areas/ Technician Program

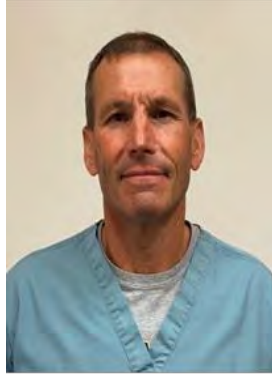
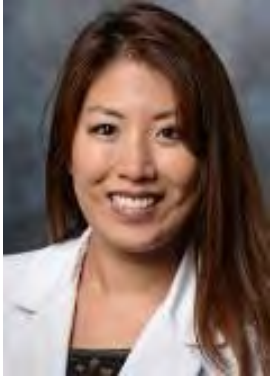
Nguyen M Nguyen, Pharm.D., MPH

Pharmacy Manager- Central Operations



PGY-1 Pharmacy Preceptors

Critical Care



Allison Chang, Pharm.D., BCPS, BCCCP
Cardiac ICU Pharmacist

Robert Fellin, Pharm.D., BCPS
Cardiothoracic Surgery ICU Pharmacist

Mark Kever, Pharm.D.
Medical ICU Pharmacist



Russell Mason, PharmD, BCPS
Surgical ICU Pharmacist

Amanda Rosen, PharmD, APH, BCCCP
Neuro ICU Pharmacist

Drug Information



Angie Hirai-Yang, Pharm.D.
Drug Use Policy Pharmacist

Chau Chu, Pharm.D., BCPS
Drug Use Policy Pharmacist

Kim Snodgrass, Pharm.D., BCPS
Drug Use Policy Pharmacist

Nari Kim, Pharm.D.
Drug Use Policy Pharmacist



PGY-1 Pharmacy Preceptors

Emergency Medicine

Roshanak Aazami, Pharm.D., BCPS
Emergency Medicine Pharmacist

Valerie A. San Luis, Pharm.D., BCPS
Emergency Medicine Pharmacist

Mira Dermendjieva, Pharm.D., BCPS
Pharmacy Manager- Central Operations



Inpatient Oncology

Eyman Sonbol, Pharm.D., BCOP
Hematology/Oncology Clinical Pharmacist

Ali Rejali, Pharm.D., BCPS
Hematology/Oncology Clinical Pharmacist

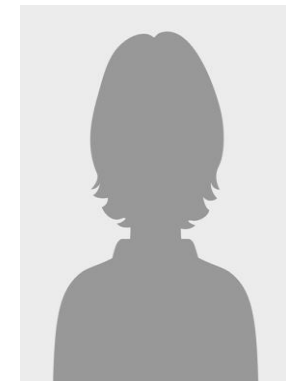
Brittany McGalliard, Pharm.D., BCOP, BCPS
Hematology/Oncology Clinical Pharmacist



Outpatient Oncology

Crystal Leung Dobbs, Pharm.D., BCPS, BCOP
Hematology/Oncology Clinical Pharmacist

**Kyung (James) Woo Kim, Pharm.D., BCOP,
BCACP, BCPS**
Hematology/Oncology Clinical Pharmacist



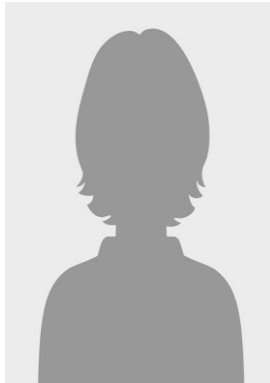
Vipul Patel, Pharm.D.
Associate Director- Information Systems
Automation/Inpatient Oncology

Pharmacy Informatics



PGY-1 Pharmacy Preceptors

Solid Organ Transplant



Ashley Vo, Pharm.D.

Transplant Immunotherapy Program Director
Kidney and Pancreas Transplant Pharmacist

Kevin Lor, Pharm.D., BCPS

Heart Transplant Pharmacist

Deanna DiLibero, Pharm.D.

Heart Transplant Pharmacist



Shi-Hui Pan, Pharm.D.

Liver Transplant Pharmacist

Darina Barnes, Pharm.D.

Lung Transplant Pharmacist

Internal Medicine



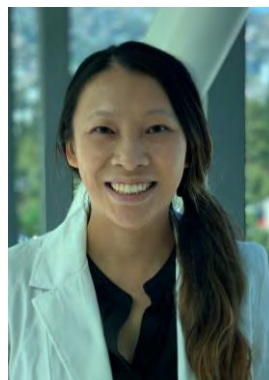
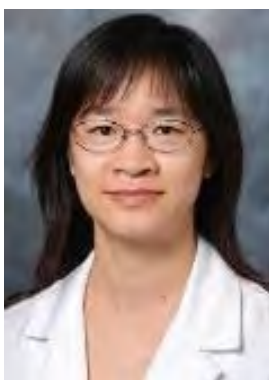
Paul Wong, Pharm.D., BCCCP

USC Assistant Professor of Clinical Pharmacy
General Internal Medicine Clinical Pharmacist

Gloria Lin, Pharm.D., BCPS

General Internal Medicine Clinical
Pharmacist

Pediatrics



Chit (Grace) So, Pharm.D., BCPS, BCPPS

Pediatric Pharmacist

Zhenyi (Jane) Zhang-Liu, Pharm.D., BCPS, BCPPS

Pediatric Pharmacist

PGY-1 Pharmacy Preceptors

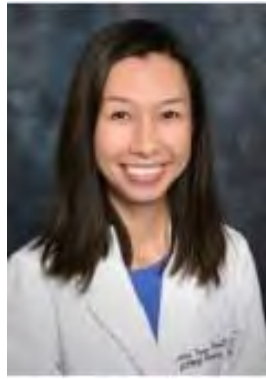
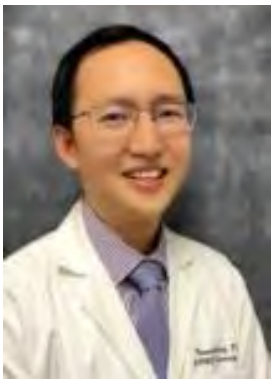
Infectious Diseases/Antimicrobial Stewardship



Gregory Marks, Pharm.D., BCPS
Antimicrobial Stewardship Pharmacist

Ethan Smith, Pharm.D., BCIDP
Antimicrobial Stewardship Pharmacist

Staffing



Kaman Chung, Pharm.D., BCPS
Inpatient Pharmacy Services Manager
(Medical/Surgical - Orthopedic)

Lydia Noh, Pharm.D., BCPS
Inpatient Pharmacy Services Manager
(Medical/Surgical - Pediatrics & Women's health)

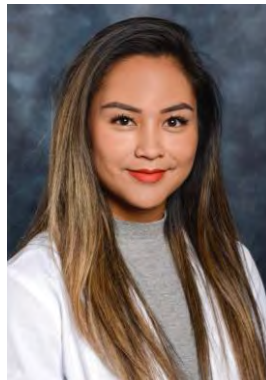
Celica Tong, Pharm.D., MPH, BCPS
Inpatient Pharmacy Services
(Medical/Surgical - Cardiology)

Surgery and Anesthesiology



Brandon Tran, Pharm.D., BCPS
Perioperative Pharmacist

Transitions of Care



Donna Leang, Pharm.D., BCPS, FCSHP, MHDS
Medication Safety/Transitions of Care Manager

Jesse Wisniewski, Pharm.D., BCPS
Transitions of Care Pharmacist

Audrienne Salandanan, Pharm.D.
Transitions of Care Pharmacist

Cedars-Sinai PGY-1 Residency Graduates Where are they now?



Residency Year	Resident	Current Work Institution	Position
2020-2021	Tehsina Sheikh	UCLA Medical Center	CCU and Anticoagulation Pharmacist
2020-2021	Lauren Shitanishi	UCLA Medical Center	PGY2 Solid Organ Transplant Resident
2020-2021	Poppy (Yue) Wang	LA County/USC Medical Center	Inpatient Clinical Pharmacist
2019-2020	Asia Quan	Cedars-Sinai Medical Center	Inpatient Clinical Pharmacist
2019-2020	Jennifer (Jisun) Ko	Cedars-Sinai Medical Center	Inpatient Clinical Pharmacist
2019-2020	Karen (Jihyeon) Shin	UCSF Health	PGY2 Oncology Resident
2019-2020	Melanie Mascetti	Baylor St. Luke's Medical Center	PGY2 Transplant Resident
2019-2020	Monique Payne-Cardona	Boston Medical Center	PGY2 Emergency Medicine Resident
2019-2020	Priya Vallabh	UMass Memorial Medical Center	PGY2 Critical Care Resident
2018-2019	Eliza Asherian	Cedars-Sinai Medical Center	Inpatient Clinical Pharmacist
2018-2019	Ryan Hays	Sharp Memorial Hospital	Inpatient Clinical Pharmacist
2018-2019	Jennifer Lee	Cedars-Sinai Medical Center	Inpatient Clinical Pharmacist
2018-2019	Raymond Lee	Good Samaritan Hospital	Inpatient Clinical Pharmacist
2018-2019	Miah Pollack	Cedars-Sinai Medical Center	Inpatient Clinical Pharmacist
2018-2019	Victoria Nguyen	Cedars-Sinai Medical Center	Oncology Pharmacist
2017-2018	Audrienne Salandanan	Cedars-Sinai Medical Center	Transitions of Care Pharmacist
2017-2018	Jason Kirkwood	Cedars-Sinai Medical Center	Emergency Medicine Pharmacist
2017-2018	Xiaotian (Euphie) Qin	Cedars-Sinai Medical Center	Inpatient Clinical Pharmacist
2017-2018	JohnEricson Margallo	UCLA	Oncology Pharmacist
2017-2018	Samantha Yeung	USC	Cardiology Fellow
2017-2018	Rania Bazzi	University of Michigan	Oncology Pharmacist
2016-2017	Giovanni Brown	Cedars-Sinai Medical Center	Inpatient Clinical Pharmacist
2016-2017	Cuong Dao	Cedars-Sinai Medical Center	Inpatient Clinical Pharmacist
2015-2016	Arthur Andakyan	Stanford	Pediatric Pharmacist
2015-2016	Gloria Lin	Cedars-Sinai Medical Center	Inpatient Clinical Pharmacist
2015-2016	Brittany McGalliard	Cedars-Sinai Medical Center	Oncology Pharmacist
2015-2016	Christina Xie	Regional Medical Center	Critical Care Pharmacist
2014-2015	Tantri Budiman	Stanford	Inpatient Clinical Pharmacist
2014-2015	Kathlyn Lim	Cedars-Sinai Medical Center	Kidney Transplant Pharmacist
2014-2015	Kevin Chung	Cedars-Sinai Medical Center	Critical Care Pharmacist
2014-2015	Thomas Lupton	Children's Hospital of Los Angeles	Informatics Pharmacist
2013-2014	Mackenzie Bear	Cedars-Sinai Medical Center	Inpatient Clinical Pharmacist
2013-2014	Sharon Huang	Stanford	Inpatient Clinical Pharmacist
2013-2014	Steve Kim	Cedars-Sinai Medical Center	Inpatient Clinical Pharmacist
2013-2014	Hien Tang	USC	Oncology Pharmacist

Previous Residency Projects

2020-2021
Alexa, What is Eliquis and Xarelto? Lauren Shitanishi, Pharm.D. , Donna Leang, Pharm.D., MHDS, BCPS, FCSHP, Kallie Amer, Pharm.D., BCPS, Linda Kim, PhD, MSN, RN, CPHQ, Kaman Chung, Pharm.D., BCPS
Less is More: Deprescribing in Elderly Patients at Hospital Discharge Tehsinabanu Sheikh, Pharm.D. , Donna Leang, Pharm.D., MHDS, BCPS, FCSHP, Kallie Amer, Pharm.D., BCPS
Pharmacist Readiness for Anticoagulation Prescribing in an Outpatient Setting at Cedars-Sinai Frances Chen, Pharm.D. , Nazeli Bairamian, Pharm.D., Karen Youmbi, Pharm.D., Ciantel A Blyler, Pharm.D., Roopinder Sandhu, MD
Evaluation in patients Receiving Biosimilar Rituximab as Therapeutic Substitution For Treatment of Non-oncologic Diseases Poppy Wang, Pharm.D. , Suwicha Limvorasak, Pharm.D.
2019-2020
A Prospective, Stewardship-Driven IV to PO Conversion in Uncomplicated Blood Stream Infections Asia Quan, Pharm.D. , Ethan A. Smith, Pharm.D., BCIDP, Gregory Marks, Pharm.D., BCPS, Hai Tran, Pharm.D., BCPS, Rita Shane, Pharm.D., FASHP, FCSHP, Jonathan Grein, MD, Michael Ben-Aderet, MD
Safety and Effectiveness of Opioid Sparing Pain Management Pathway in Medicine Patients Jennifer Jisun Ko, Pharm.D. , Hai Tran, Pharm.D., BCPS
Venous Thromboembolism Prophylaxis with Direct Oral Anticoagulants in Adult Trauma Patients Melanie Mascetti, Pharm.D. , Russell Mason, Pharm.D.
Pharmacist Impact on High-Risk Stroke Patients Through Transitions of Care Priya Vallabh, Pharm.D. , Donna Leang, Pharm.D., MHDS, BCPS, FCSHP, Lydia Noh, Pharm.D.
Utilizing Technicians for Post-Discharge Follow Up Calls Karen Ji Hyeon Shin, Pharm.D. , Donna Leang, Pharm.D., MHDS, BCPS, FCSHP, Kallie Amer, Pharm.D., BCPS
Pharmacist Driven Antibiotic Redosing in the Emergency Department Monique Payne-Cardona, Pharm.D. , Valerie San Luis, Pharm.D., BCPS, Roshanak Aazami, Pharm.D., BCPS, Mira Dermendjieva, Pharm.D., BCCCP, Melissa Erin, Pharm.D., Jason Kirkwood, Pharm.D., Ethan A. Smith, Pharm.D., BCIDP, Gregory Marks, Pharm.D., BCPS, Sam Torbati, MD, FAAEM, FACEP, Rita Shane, Pharm.D., FASHP, FCSHP, James F. Gilmore, Pharm.D., BCCCP, BCPS
2018 - 2019
Standardized Management of Pain Crisis in Chronic Noncancer Pain Eliza Asherian, Pharm.D. , Vipul Patel, Pharm.D., BCPS., Naira Barsegyan, Pharm.D., BCPS
Transrectal Ultrasound-Guided Prostate Biopsy (TRUS-PBx): Targeted Antibiotic Prophylaxis Jennifer Lee, Pharm.D. , Ethan A. Smith, Pharm.D., BCIDP, Gregory Marks, Pharm.D., BCPS, Hai Tran, Pharm.D., BCPS
Prescribing errors intercepted by pharmacists Victoria Nguyen, Pharm.D. , Rita Shane, Pharm.D., FASHP, FCSHP, Naira Barsegyan, Pharm.D., Donna Leang, Pharm.D., BCPS, FCSHP
Improving transitions of care in transcatheter aortic valve replacement patients Raymond Lee, Pharm.D. , Allison Komatsu Chang, Pharm.D., BCPS, BCCCP, ManShan Celica Tong, Pharm.D., MPH, BCPS
Evaluating the impact of a pharmacist-led antibiotic allergy education Ryan M. Hays, Pharm.D. , Gregory Marks, Pharm.D., BCPS, Ethan A. Smith, Pharm.D., BCIDP, Hai Tran, Pharm.D., BCPS
Implementation of a pharmacist-managed direct oral anticoagulant policy Miah Pollack, Pharm.D. , Sylvia Martin-Stone, Pharm.D., BCPS
2017-2018
Impact of pharmacist collaboration on pain management in spine surgery patients Rania Bazzi, Pharm.D. , Duong Luong, Pharm.D., BCPS, FCSHP, Hai Tran, Pharm.D., BCPS, Kaman Chung, Pharm.D., Karl Wittnebel, M.D., Rita Shane, Pharm.D., FASHP, FCSHP
Pharmacist's impact on acute ischemic stroke patients discharge from the hospital Jason Kirkwood, Pharm.D. , Kathreen Tarashchansky, Pharm.D., BCPS., Lydia Noh Pharm.D., BCPS
Comparing thromboelastography guided antifibrinolytic therapy to antifibrinolytic therapy guided by standard care in liver disease Xiaotian Qin, Pharm.D. , Russell Mason, Pharm.D., BCPS, Navpreet Dhillon, M.D., Galinos Barmparas, M.D., Eric Ley, M.D., FACS
Refinement of Antibiotic Allergy Assessments (R-TRIPLE-A) John-Ericson Margallo, Pharm.D. , Ethan Smith, Pharm.D., Gregory Marks, Pharm.D., BCPS, Hai Tran, Pharm.D., BCPS, Rita Shane, Pharm.D., FASHP, FCSHP
Expansion of medication education through utilization of pharmacy extenders Audrienne C. Salandanan, Pharm.D. , Paul J. Wong, Pharm.D., BCCCP, Tram B. Cat, Pharm.D., BCPS
Implementation of a standardized pain regimen to improve pain management in orthopedic trauma patients Samantha Yeung, Pharm.D., MS , Hai Tran, Pharm.D., BCPS, Kaman Chung, Pharm.D., Rita Shane, Pharm.D., FASHP, FCSHP

Recent Publications by Past CSMC PGY-1 Pharmacy Residents

- **Asia Quan**, PharmD, Gregory Marks, PharmD, Hai P Tran, PharmD, BCPS, Rita Shane, PharmD, FASHP, FCSHP, Michael Ben-Aderet, MD, Fayyaz S Sutterwala, MD, PhD, Jonathan Grein, MD, Ethan Smith, PharmD, BCIDP, Jeffrey Rapp, MD. 259. A Prospective, Stewardship-Driven IV to PO Conversion in Uncomplicated Blood Stream Infections. *Open Forum Infectious Disease*. 2020 Oct;7(Suppl 1): S128-S129
- **Margallo JP**, Smith EA, Marks, G, et al. Optimizing Utilization of Beta-lactam Surgical Prophylaxis Through Implementation of a Structured Allergy Assessment Tool in a Presurgical Clinic. *Infect Control Hosp Epidemiol*. 2019;40(12):1420-1422.
- Ng TM, **Yeung SL**. Is There an Optimal Time or Method to Obtain BNP Levels? *Journal of Cardiac Failure*. 2019;25(9):722-724.
- Jorgensen SCJ, **Yeung SL**, Zurayk M, et al. Leveraging Antimicrobial Stewardship in the Emergency Department to Improve the Quality of Urinary Tract Infection Management and Outcomes. *Open Forum Infect Dis*. 2018 May;5(6):ofy101.
- Jorgensen S, Zurayk M, **Yeung S**, et al. Risk factors for early return visits to the emergency department in patients with urinary tract infection. *Am J Emerg Med* 2018 Jan; 36(1):12-17.
- Kim IK, **Choi J**, **Vo A**, Kang A, Steggerda J, Louie S, Haas M, Mirocha J, Cohen JL, Pizzo H, Kamil ES, Jordan SC, Puliya D. Risk factors for the development of antibody-mediated rejection in highly sensitized pediatric kidney transplant recipients. *Pediatr Transplant* 2017 Dec;21(8).
- Jordan SC, **Choi J**, Kim I, Wu G, Toyoda M, Shin B, **Vo A**. Interleukin-6, A Cytokine Critical to Mediation of Inflammation, Autoimmunity and Allograft Rejection: Therapeutic Implications of IL-6 Receptor Blockade. *Transplantation* 2017 Jan;101(1):32-44.
- Volod O, Lam LD, **Lin G**, Kam C, Kolyouthapong K, Mac J, Mirocha J, Ambrose PJ, Czer LS, Arabia FA. Role of Thromboelastography Platelet Mapping and International Normalized Ratio in Defining "Normocoagulability" During Anticoagulation for Mechanical Circulatory Support Devices: A Pilot Retrospective Study. *ASAIO J* 2017 Jan/Feb;63(1):24-31.
- Choi KE, Park B, Moheet AM, **Rosen A**, Lahiri S, Rosengart A. Systematic Quality Assessment of Published Antishivering Protocols. *Anesth Analg* 2017 May;124(5):1539-1546.
- **Rosen OZ**, Fridman R, Rosen BT, Shane R, Pevnick JM. Medication adherence as a predictor of 30-day hospital readmissions. *Patient Prefer Adherence*. 2017 Apr;11:801-810.
- Pevnick JM, Nguyen C, Jackevicius CA, Palmer KA, Shane R, Cook-Wiens G, Rogatko A, **Bear M**, Rosen O, Seki D, Doyle B, Desai A, Bell DS. Improving admission medication reconciliation with pharmacists or pharmacy technicians in the emergency department: a randomised controlled trial. *BMJ Qual Saf* 2017;0:1-9.
- **Budiman T**, Snodgrass K, **Komatsu Chang A**. Evaluation of Pharmacist Medication Education and Post-discharge Follow-up in Reducing Readmissions in Patients With ST-Segment Elevation Myocardial Infarction (STEMI). *Ann Pharmacother* 2016;50(2):118-124.
- Ko A, Harada MY, Barmparas G, **Chung K**, Mason R, Yim DA, Dhillon N, Margulies DR, Gewertz BL, Ley EJ. *JAMA Surg* 2016;151(11):1006-1013.
- Kahwaji J, Jordan SC, Najjar R, Wongsaroj P, **Choi J**, Peng A, Villicana R, **Vo A**. Six-year outcomes in broadly HLA-sensitized living donor transplant recipients desensitized with intravenous immunoglobulin and rituximab. *Transpl Int* 2016 Dec;29(12):1276-1285.
- **Vo AA**, **Choi J**, Kim I, Louie S, Cisneros K, Kahwaji J, Toyoda M, Ge S, Haas M, Puliya D, Reinsmoen N, Peng A, Villicana R, Jordan SC. A Phase I/II Trial of the Interleukin-6 Receptor-Specific Humanized Monoclonal (Tocilizumab) + Intravenous Immunoglobulin in Difficult to Desensitize Patients. *Transplantation* 2015 Nov;99(11):2356-63.
- **Vo AA**, Sinha A, Haas M, **Choi J**, Mirocha J, Kahwaji J, Peng A, Villicana R, Jordan SC. Factors Predicting Risk for Antibody-mediated Rejection and Graft Loss in Highly Human Leukocyte Antigen Sensitized Patients Transplanted After Desensitization. *Transplantation* 2015 Jul;99(7):1423-30.
- **Vo AA**, Zeevi A, **Choi J**, Cisneros K, Toyoda M, Kahwaji J, Peng A, Villicana R, Puliya D, Reinsmoen N, Haas M, Jordan SC. A phase I/II placebo-controlled trial of C1-inhibitor for prevention of antibody-mediated rejection in HLA sensitized patients. *Transplantation* 2015 Feb;99(2):299-308.
- Vakil NH, Fujinami N, **Martin-Stone S**. Turoctocog alfa for the treatment of hemophilia a. *Pharmacotherapy* 2014 Oct;34(10):1091-101.
- **Abu-Ramaileh AM**, Shane R, Churchill W, Steffenhagen A, Patka J, Rothschild JM. Evaluating and classifying pharmacists' quality interventions in the emergency department. *Am J Health Syst Pharm* 2011 Dec 1;68(23):2271-5.
- Berry C, Tcherniantchouk O, Ley EJ, Salim A, Mirocha J, **Martin-Stone S**, Stolpner D, Margulies DR. Overdiagnosis of heparin-induced thrombocytopenia in surgical ICU patients. *J Am Coll Surg* 2011 Jul;213(1):10-7.
- Witsil JC, **Aazami R**, Murtaza UI, Hays DP, Fairbanks RJ. Strategies for implementing emergency department pharmacy services: results from the 2007 ASHP Patient Care Impact Program. *Am J Health Syst Pharm* 2010 Mar 1;67(5):375-9.



PGY2 HSPAL Residency

Health-System Pharmacy Administration and Leadership

PGY-2 Health-System Pharmacy Administration and Leadership

Residency 2022-2023

This Postgraduate Year 2 Health-System Pharmacy Administration and Leadership residency at Cedars-Sinai Medical Center is designed to provide the resident with insight into key issues confronting the practice of pharmacy. Training is provided in various aspects of pharmacy management, with emphasis on independent thinking and application of management concepts in the development of progressive pharmacy services.

Cedars-Sinai Medical Center is an 886-bed acute, tertiary care teaching hospital located in the heart of Los Angeles, just a block away from Beverly Hills. The Department of Pharmacy Services consists of over 380 staff members and provides decentralized pharmacy services to patients in the following subspecialty areas. Outpatient pharmacy services are provided via 6 pharmacies which includes 2 cancer centers.

- | | | |
|-----------------|------------------------------|----------------------|
| ◆ Medicine | ◆ OB/Gyn | ◆ Endocrinology |
| ◆ Surgery | ◆ Transplantation | ◆ Operating Room |
| ◆ Critical Care | ◆ Cardiology | ◆ Orthopedics |
| ◆ Pediatrics | ◆ Neurosurgery and Neurology | ◆ Rehabilitation |
| ◆ Oncology | | ◆ Emergency Medicine |

Schedule

The length of the residency program is one year from the start date. Experiences and areas of focus include:

- | | |
|--|--|
| ◆ Strategic Planning | ◆ Participation in Medical Staff Committees and Interdisciplinary Committees |
| ◆ Transitions of Care Practice Model, Research and Support | ◆ Human Resources Management: Interviewing, Recruitment, Retention and Performance |
| ◆ Medication Safety | ◆ Performance Improvement |
| ◆ Pharmacy Operations | ◆ Drug Use Policy |
| ◆ Fiscal Management | ◆ Regulatory Requirements |
| ◆ Pharmacy Practice Model Design | ◆ Development of Evidence-Based Medication Guidelines |
| ◆ Electronic Medical Record Planning | ◆ Precepting PGY1 Residents |
| ◆ Demonstrating the Value of Pharmacy Services | ◆ Special Projects |
| ◆ Clinical and Operational Planning | ◆ Staffing in Decentral and/or Central Pharmacy Areas |

The structure of the program is longitudinal and project-based throughout the year. Chief Pharmacy Officer serves as the primary preceptor of the program. The resident will participate as an active member of the pharmacy administration team and will have input on key hospital initiatives that affect the medication use process. The resident will assume staffing and clinical responsibilities approximately four days a month. Additionally, the resident will assume the responsibility of department administrator once every four to six weeks.

Specialized Residency Requirements

- The applicant must be a graduate of an accredited School of Pharmacy with a Doctor of Pharmacy degree and successfully completed (or in process of completing) a PGY1 Pharmacy Practice Residency or have equivalent health-system pharmacy experience.
- Candidates must be eligible for licensure in California and resident is expected to be licensed by September of the residency year.
- Staffing requirement 4 days/month and transition of care activities

Benefits

The salary for the resident is \$70,000. Benefits include 26 days of VHT, 10 of which are used for educational leave, as well as medical and dental insurance.

Application

Motivated individuals with initiative and a commitment to excellence are encouraged to apply. Additionally, successful applicants should possess superior verbal and written communication skills. Interested applicants please submit the following to Rita.Shane@cshs.org : Resume, Letter of intent, CV, Pharmacy School Transcripts, and 3 letters of recommendation.

For more information, please contact:

Rita Shane, Pharm.D., FASHP, FCHSP
Vice President, Chief Pharmacy Officer, Professor of Medicine
Department of Pharmacy Services
Cedars-Sinai Medical Center

8700 Beverly Blvd, St MOT 1165W, Los Angeles, CA 90048
Phone: (310) 423-5611; Fax: (310) 423-0412; Email: rita.shane@cshs.org

Style and Substance: Rita Shane, PharmD

By Cassie Tomlin

Cedars-Sinai's chief pharmacy officer—accomplished patient advocate, and fashion icon—on 40-plus years in the field

Rita Shane, PharmD, is always looking for opportunities: career advancement for students and staff, system improvements for safer medication management, a sale on green suede slingback pumps.

Shane's tenacious commitment to her field spurred her to help close a gap in the way California hospitals protect patients from dangerous medication errors. Aware that hospitals didn't assign specific clinicians' responsibility for collecting and maintaining patients' medication lists, she saw an opening for pharmacists to take the lead. In 2018, she drafted legislation (which has since become law) requiring hospital pharmacists throughout the state to update medication lists for high-risk patients when they are admitted. (Cedars-Sinai defines a high-risk patient as one who takes 10 or more medications or is undergoing organ transplantation.)

Here, Shane discusses how she wrote the bill (while nursing a cold with help from cognac on New Year's Eve) and what's changed over her 40 years in clinical pharmacy.

Q. Why is this law so important? **A:** My colleague Joshua Pevnick, MD, and I found that high-risk patients arrive with an average of eight errors on their medication lists when they're admitted, which puts them at risk for severe adverse reactions in the hospital. Medications are entered into patients' electronic health records by many people who aren't necessarily experts in drugs: staff at doctors' offices, skilled nursing facilities, and hospitals. We found that when pharmacy staff obtained medication lists, there was an 80 percent reduction in medication history error.

Q. How was your experience drafting this bill? **A:** I got connected with State Senator Jeff Stone, who is also a pharmacist, because I'd been working for three years with the California Hospital Association to improve the process for obtaining medication histories in hospitals. I met with Senator Stone about the bill six days before Christmas in 2017. The bill passed unanimously through the legislature, and Governor Jerry Brown signed it into law in September 2018. I'm politically agnostic, but halfway through the process, I realized politics was in the middle of this: Senator Stone is a Republican; Governor Brown is a Democrat. In the end, fact-based argument for patient safety won. That's rewarding.

Q. What inspired your focus on transitions of care? **A:** Everyone has a story about something that's gone wrong with medications. For me, the passion really started after an experience with my dad 20 years ago. He was hospitalized for a brain surgery and, when he was transferred to another facility, they inadvertently took him off an important drug. The change in medication agitated him, so he ended up in restraints and developed a serious infection. Had his medication history been done correctly, this wouldn't have happened. I thought, "We've got to fix this problem; this is a mess."

Q. You're known for your style as well as your leadership. What does that mean to you? **A:** I think it's important to balance being a professional with being an individual. I inherited my so-called flashy style from my parents; my mother and her sisters were dressmakers, my father was a clotheshorse, and we used to shop together on weekends to de-stress. Every time I travel internationally for speaking engagements, I trip over something to shop for. I just brought back four pairs of boots from pop-up markets in Spain.

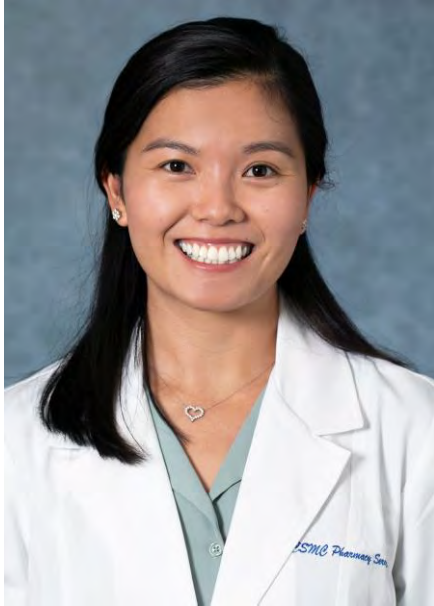
Q. Have you experienced pushback for how you present yourself? **A:** When I became director of Pharmacy Services, my boss suggested I bring in consultants to evaluate the department structure and processes. I invited two nationally respected pharmacy leaders, nice gentlemen who met with pharmacy staff, physicians, and nurses. On the last day, they asked to speak with me confidentially and suggested I tone down the way I dressed. I realized their comments had more to do with them and less to do with me, and I didn't really let it change me. They've both since apologized for commenting at all and stated that they respected my individuality. My best advice for women is advice from my mother: Be an individual, and don't accept "no" when you believe in something.

Q. What is your teaching philosophy? **A:** I've mentored more than 120 pharmacy residents. I love to teach. We've taught pharmacy students, residents, technicians, and interns to obtain medication lists from patients, so they learn from real experience. What better opportunity for students to immerse themselves in the profession than to greet a patient upon arrival and review their history with them, knowing the context of the medications? In that brief encounter, they're representing every pharmacist as someone who cares about patients and wants to make sure they're safe. At the same time, they're learning about drugs and how to engage with patients to make them more comfortable



Rita Shane, PharmD

Vice President, Chief Pharmacy Officer Professor, Department of Medicine Assistant Dean of Clinical Pharmacy Services, University of California, San Francisco School of Pharmacy **CLOSE TO HOME** *Shane was born in Los Angeles, graduated from Fairfax High School, obtained her undergraduate degree at UCLA and her doctorate at USC, and started as an intern at Cedars-Sinai in 1978. She stayed close to home, she says, to be near her parents, who were both Holocaust survivors.* **STATS** *In more than four decades at Cedars-Sinai, Shane has authored 100 papers and presented at more than 200 meetings. She is a recipient of the American Society of Health-System Pharmacists Harvey A. K. Whitney Award.* **PERSONAL MOTTO** *"Act like a nerd, look like a princess."* **FAMILY** *Shane and her husband, Jeffrey Gramer, MD, have two adult children, Elizabeth and Benjamin, and one grandson, Liam Jude. "They've made me human," she says of her offspring. "They teach me to recognize and respect differences in people and remind me to be present."*



PGY-2 HSPAL RESIDENT GRADUATE - 2021

Thanh G. Tu, PharmD

Program Coordinator, Pharmacy Enterprise
Cedars-Sinai Medical Center



Why did you pursue this residency?

I pursued this residency because I want to impact the care of patients across the whole health system. My goal this year is to leverage my clinical experience while continuing to be challenged in new roles as an administrator and leader at Cedars. I chose Cedars specifically to work alongside those who are not afraid to ask the hard questions and consistently have a “just do it” attitude towards the advancement of our profession.



What do you hope to get out of this residency?

- I hope to emerge as a strong leader from this residency. That’s the goal and that’s what drives me to work harder and harder each day. Last year, my goal was to become a good pharmacist. This year, I want to leverage the clinical skills gained to learn the nuances of the financial-clinical interface. Additionally, I am excited to establish my professional network as we navigate through the world of virtual conference calls!

What makes a PGY-1 resident an ideal candidate for the PGY-2 HSPAL program?

- Passion and drive. Passion to make a difference. Drive to put in the work necessary to make an impact. The challenge when working in pharmacy administration is that anything and everything can happen. Therefore, passion and drive to stay grounded and focused are crucial to deal with the unpredictable challenges that may come up.

Education and Training

- Doctor of Pharmacy: University of California, San Francisco, 2019
- PGY-1 Pharmacy Practice Residency, Emphasis in Acute Care: University of California, San Diego, 2020
- PGY-2 Health-System Pharmacy Administration and Leadership: Cedars-Sinai Medical Center, *current*

Clinical and Research Interest

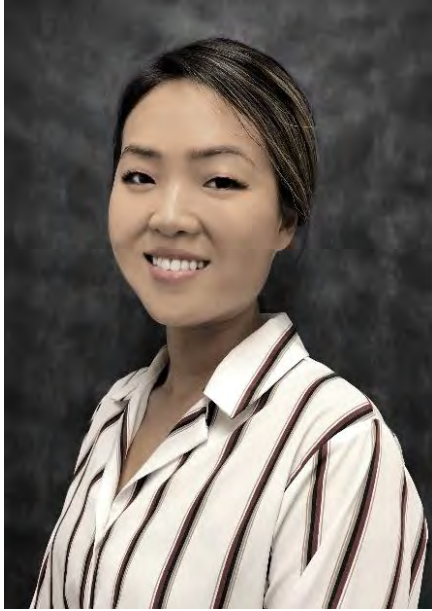
- Internal Medicine
- Medication Safety
- Drug Information

Selected Publications/Presentations/Posters

- **Tu TG**, Atayee R, Lee K. Gabapentinoid dosing trends in patients with or without concomitant opioid and the associated risk of toxicities during hospitalization. Presented at Vizient Southern States Annual Meeting. Las Vegas, NV. Dec 2019.
- Jacobson-Wedret J, **Tu TG**, Paul D, Rousseau C, Bota RG. Interactions between antidepressants, sleep aids and selected breast cancer therapy. *Mental Illness*. 2019;11(1):8115.
- **Tu TG**, Lee E, Dinh D, Choi H, Gericke K, Hudmon K, Corelli R. Smoking cessation pharmacotherapy among beneficiaries enrolled in a Medicaid managed care plan. Presented at American Society of Health-System Pharmacists (ASHP), 53rd Annual Midyear Clinical Meeting. Dec 2018.

Personal Interests/Hobbies

- Gardening (I’ve got herbs, peas, tomatoes, a lemon tree, and more thriving in my care)
- Hiking
- Crime show television (favorite of all time = Criminal Minds)



PGY-2 HSPAL RESIDENT GRADUATE- 2016

Lydia E. Noh, PharmD, BCPS

Manager, Inpatient Pharmacy Services
Pediatrics, Women's Health
Cedars-Sinai Medical Center



In the past year I focused on encouraging a staff pharmacist to precept a longitudinal resident research project. I provided project management support and I am so proud of what she accomplished as a first-time research preceptor. We worked as a team to show impactful results and demonstrated value of clinical pharmacists.

***This year, I'm looking forward** to continued growth and excited to see how SB1254 makes a positive impact on patient care.*



Education and Training

- Doctor of Pharmacy: University of Southern California, 2014
- PGY-1 Acute Care Residency: University of California, San Diego Health System, 2015
- PGY-2 Health-System Pharmacy Administration: Cedars-Sinai Medical Center, 2016

Clinical and Research Interests

- Transitions of Care
- Patient Experience

Affiliations

- American Society of Health-System Pharmacists
- California Society of Health-System Pharmacists

Teaching Experience

- PGY-1 Preceptor: Cedars-Sinai Medical Center
- APPE Preceptor: USC, UCSF Schools of Pharmacy
- San Diego Pharmacy Residency Leaders Teaching Certificate

Selected Publications/Presentations/Posters

- ASHP Midyear December 2017 Presentation: *Simulation Training to Improve Patient Engagement*
- Vizient and ASHP Midyear December 2016 Presentations: *Ace the MACE (Medication-Related Acute Care Episode): Results of a multi-center quality improvement study to assess the impact of pharmacists' post discharge follow-up on high risk patients*
- ASHP Summer Meeting June 2016 Poster: *Choosing Wisely: Pharmacy's Role in Effective Use of Medication*

Personal Interests/Hobbies

- Traveling
- Spending time with family and friends



PGY-2 HSPAL RESIDENT GRADUATE- 2004

Vipul Patel, PharmD

Executive Director, Pharmacy Services
Information Systems Automation, Inpatient Oncology
Cedars-Sinai Medical Center



***My proudest accomplishment at CSMC** was leading the Pharmacy automation team to successful transition of a new pharmacy information system and developing an integrated automation system to enhance a safer medication management process.*

***This year, I am looking forward to** continue to be part of a progressive, innovative and nimble pharmacy department which is faced with many challenges as the health care system evolve. This is forcing us to think differently and slide out of our comfort zones to be creative.*



Education and Training

- University of Tennessee, Memphis, School of Pharmacy
- Baptist Memorial Hospital, Memphis, Pharmacy Practice, PGY-1 Residency
- Cedars-Sinai Medical Center, Administration PGY-2 Residency

Clinical and Research Interests

- Medication Safety
- Transitions of Care
- Health System Pharmacy Administration
- Health Information Technology
- Regulatory compliance

Professional Activities and Awards

- American Society of Health-System Pharmacists SAG 2016 & 2017
- Friends of Nursing, Cedars-Sinai, May 2008
- Cedars-Sinai Leadership Fellowship, 2015
- ASHP Section of Pharmacy Informatics Fellow and Residency Committee

Affiliations

- American Society of Health-System Pharmacists

Teaching Experience

- Residency Director – PGY-2 in Informatics and Automation (2008-Present)
- Residency Director – PGY-2 in Hematology/Oncology (2012-Present)
- Preceptor – Pharmacy Informatics (PGY1 Rotations)
- Preceptor – Health System Pharmacy Administration (PGY1/PGY2 Rotations)

Selected Publications/Presentations/Posters

- Presenter-Let's Get moving Forward: Passive Decision support-ASHP Summer Meeting 2016
- Poster: Utilizing Eastern Cooperative Oncology Group (ECOG) Performance Status scores to prevent harm with Chemotherapy at the End of Life, Palliative Care in Oncology Symposium 2014
- Co-presenter-Evidence-Based Survival Strategies to Support Value-Based Oncology Care, ASHP Mid-Year Meeting 2017

Work Accomplishments

- Championed successful implementations of EHR, Barcode medication management, device integration, and automated pharmacy operations
- Initiated Informatics and oncology residency programs



PGY-2 HSPAL RESIDENT GRADUATE- 2003

Hai Tran, PharmD, BCPS

Associate Director, Pharmacy Services
Drug Use Policy
Cedars-Sinai Medical Center



My proudest accomplishment at CSMC is the enhancement of our Antimicrobial Stewardship Program. This year, I am looking forward to standardizing post-op pain management protocols to minimize opioid usage.



Education and Training

- University of the Pacific, School of Pharmacy
- University of California, Irvine, Pharmacy Practice, PGY-1 Residency
- Cedars-Sinai Medical Center, Administration/ Infectious Disease PGY-2 Residency

Clinical and Research Interests

- Infectious Disease/ Antimicrobial Stewardship
- Drug Use Policy
- Health System Pharmacy Administration

Professional Activities and Awards

- Board of Pharmacy Specialties, Pharmacotherapy Certification, 2016
- CSHP, Continuing Pharmacy Education Committee

Affiliations

- American Society of Health-System Pharmacists
- California Society of Health-System Pharmacists
- American College of Clinical Pharmacy

Teaching Experience

- PGY-2 Drug Use Policy Residency
- PGY-2 Antimicrobial Stewardship Residency
- Antimicrobial Stewardship, PGY-1 resident rotation
- Drug Use Policy, PGY-1 resident rotation
- Health System Pharmacy Administration, resident rotation

Selected Publications/Presentations/Posters

- Poster: Yang H, Smith E, Marks G, Ochner M, Watson R, Krishna, **Tran H**, Shane R, Murthy R, Grein J. Antimicrobial Stewardship Facetime: Comparison of Two Rounding Models at a Tertiary Medical Center. Poster ID Week Oct 2016.
- Smith EA, Gold H, Hirsch E, Giancola S, Snyder G, Marks G, **Tran H**, Hirai-Yang A, McCoy C. Nasal MRSA Screening in Patients with Pneumonia – A Powerful Antimicrobial Stewardship Tool. *ajcjournal* 2017; 45: 1295-1296.
- QuickFISHING for Bugs: Use of Rapid Diagnostic Tests to Ensure Timely Treatment of Infections, ASHP Midyear Clinical Meeting Dec 2016.
- EPO Start Day 8: Erythropoietin– Evaluate. Postpone. Optimize, ASHP Midyear Clinical Meeting, Dec 2015.
- Poster: Vakil N, Hirai-Yang A, Gaut P, **Tran H**, Stanford W, Sax H, Grein J, Shane R. Antimicrobial Time Out: Novel Approach to Expand Antimicrobial Stewardship in a Large, Tertiary Medical Center. ID Week Oct 2015.



PGY-2 HSPAL RESIDENCY GRADUATE- 2001

Donna Leang, PharmD, MHDS, BCPS, FCSHP

Manager, Pharmacy Services
Transitions of Care, Medication Safety
Cedars-Sinai Medical Center



What motivates me is the amazing dedicated pharmacy team at Cedars-Sinai. Their dedication to patient safety makes me want to work just as hard to advance the profession of pharmacy.



Education and Training

- University of California, San Francisco, School of Pharmacy
- Cedars-Sinai Health System, Western Association of Schools & College, Master’s in Health Delivery Science
- University of California, San Francisco, Pharmacy Practice, PGY-1 Residency
- Cedars-Sinai Medical Center, Administration PGY-2 Residency

Clinical and Research Interests

- Medication safety
- Transitions of care
- Health information technology
- Health system pharmacy administration

Professional Activities and Awards

- California Society of Health-System Pharmacists, Fellowship, 2017
- Board of Pharmacy Specialties, Pharmacotherapy Certification, 2017
- CSHP, Operational Performance Council
- Friends of Nursing, Cedars-Sinai, 2008
- National Hospital Pharmacy Quality, 2nd Place, 2001

Affiliations

- American Society of Health-System Pharmacists
- California Society of Health-System Pharmacists
- University of California, San Francisco, Alumni
- Kappa Psi Fraternity

Teaching Experience

- Hospital practice, IPPE student rotation
- Administration, APPE student rotation
- Health system pharmacy administration – resident rotation

Selected Publications/Presentations/Posters

- Spiegel B, Shane R, Palmer K, **Luong D. Cost-effectiveness of Pharmacist Postdischarge Follow Up to Prevent Medication-Related Readmissions**, The American Journal of Accountable Care. 2018;6(2):e1-e8.
- Shane R, Amer K, Noh L, **Luong D**, Simons S. **Necessity for a pathway for “high-alert” patients**. Am J Health Syst Pharm. Jul 2018; 75(13):993-997. Doi:10.2146/ajhp170397.
- Pharmacy-Based Care Transitions in Geriatrics Patients: Two Single Center Pilot Studies. Rosen SL, McGilliard B, Amer K, **Luong D**, Tantipinichwong N, Rosen O, Shane R. IAGG World Congress of Gerontology and Geriatrics (San Francisco, CA). July 2017.

Work Accomplishments

- CSMC CSHP Transitions of Care Certificate Program, PGY-2 Transitions of Care residency program



PGY-2 HSPAL RESIDENCY GRADUATE- 1989

Melsen Kwong, PharmD

Executive Director, Pharmacy Services
Pharmacy Business and Ambulatory Care Services
Cedars-Sinai Medical Center



***My proud accomplishments at CSMC:** I managed the Federal Drug Program (340B Program) which resulted in many millions of cost savings in the drug budget each year. I Initiated the Specialty Pharmacy Program at CSMC in 2014 and grew the program from ground zero to serving 800 pts with a net revenue of \$22 million dollars in fiscal year ending 2018. The Specialty Pharmacy also received the URAC accreditation in Jul 2018, meeting the highest standard in the services provided to the Specialty Pharmacy patients.*



Education and Training

- University of Southern California, Bachelor Degree of Science
- University of California, San Francisco, School of Pharmacy
- Veterans Medical Center, West Los Angeles, Pharmacy Practice, PGY-1 Residency
- Cedars-Sinai Medical Center, Administration PGY-2 Residency

Clinical and Research Interests

- Financial Management in Pharmacy
- Specialty Pharmacy
- Health system pharmacy administration

Professional Activities and Awards

- Webinar presentation on 340B audit experiences through Vizient
- Member of Vizient Specialty Pharmacy Committee

Affiliations

- American Society of Health-System Pharmacists

Teaching Experience

- Primary Care Residency
- Health system pharmacy administration – resident rotation with financial management

Work Accomplishments

- Successfully led URAC accreditation 2018

Personal Interests/Hobbies

- Travel around the world
- Gardening

Additional PGY-2 HSPAL Resident Graduates

Name	Academic Years	Current Organization	Title
Ashley Vo	1992 - 1994	Cedars-Sinai Medical Center, Transplant Center	Director, Transplant Immunotherapy Program
Michaela (Cho) Park	1994 - 1995	McKesson	Clinical Program Development Specialist
Sandy Tan	1998 - 1999	Visante	Senior Director, Drug Policy & Pharmacotherapy
Rinu Jacob	2002 - 2003	Abbott Immunology Abbot Labs	Clinical Science Manager
Audrey Nakamura	2004 - 2005	UC, Los Angeles Westwood	Pharmacy Manager of Surgical Services
Felix Yam	2006 - 2007	UC, San Diego School of Pharmacy	Health Sciences Associate Clinical Professor of Pharmacy
Nancy T. Yam	2006 - 2007	UC, San Diego Health Hilcrest Medical Center	Associate Chief Pharmacy Officer PGY-2 HSPAL Residency Director
Nguyen Nguyen	2008 - 2009	Cedars-Sinai Medical Center, Pharmacy Services	Manager, Central Pharmacy
Caroline Nguyen	2012 - 2013	Tan Binh Pharmacy	Clinical Pharmacist
Naira Barsegyan	2017 - 2018	Sharp Healthcare	Pharmacy Supervisor



Naira Barsegyan



Nguyen Nguyen



Ashley Vo

Selected Publications

1. Kim N, Chu C, Tran H, Shane R, Melmed G. **P001 Pharmacist Role in IBD Medication Optimization (PRIMO-IBD)**. *Practice Management/Quality of Care/Quality Assurance*. 2020;158(3).
2. Mujukian A, Truong A, Tran H, Shane R, et al. **A Standardized Multimodal Analgesia Protocol Reduces Perioperative Opioid Use in Minimally Invasive Colorectal Surgery**. *Journal of Gastrointestinal Surgery*. 2020;24:2286-2294.
3. Margallo JEP, Smith E, Marks G, Ben-Aderet M, Yang H, Madhusudhan M, Krishna S, Duran A, Friedman A, Cassel SL, Tran H, Shane R, et al. **Optimizing utilization of beta-lactam surgical prophylaxis through implementation of a structured allergy assessment tool in a presurgical clinic**. *Infect Control Hosp Epidemiol*. 2019 Dec;40(12):1420-1422.
4. Youmbi KV, Shane R. **Implementation of a pharmacy technician residency program in a tertiary care teaching hospital**. *Am J Health Syst Pharm*. 2019;76(8):543-550.
5. Shane R, Amer K, Noh L, Luong D, Simons S. **Necessity for a pathway for "high-alert" patients**. *Am J Health Syst Pharm*. 2018 Jul 1;75(13):993-997.
6. Spiegel B, Shane R, Luong D, Palmer K. **Cost-effectiveness of Pharmacist Post-Discharge Follow Up to Prevent Medication-related Readmissions**, accepted for publication- *The American Journal of Accountable Care*. 2018;6(2):e1-e8
7. Pevnick JM, Nguyen C, Jackevicius CA, Palmer KA, Shane R, et al. **Improving admission medication reconciliation with pharmacists or pharmacy technicians in the emergency department: a randomised controlled trial**. *BMJ Qual Saf*. 2018 Jul;27(7):512-520.
8. Rosen OZ, Fridman R, Rosen BT, Shane R, Pevnick JM. **Medication Adherence as a Predictor of 30-Day Hospital Readmissions**. *Patient Prefer and Adherence* 2017 Apr 20;11:801-810.
9. Nguyen CB, Shane R, Bell DS, Cook-Wiens G, Pevnick JM. **A time and motion study of pharmacists and pharmacy technicians obtaining admission medication histories**. *J Hosp Med* 2017;180-183.
10. Smith EA, Gold H, Hirsch E, Giancola S, Snyder G, Marks G, Tran H, Hirai-Yang A, McCoy C. **Nasal MRSA Screening in Patients with Pneumonia – A Powerful Antimicrobial Stewardship Tool**. *American Journal of Infection Control* 2017; 45: 1295-1296.
11. Pevnick JM, Palmer KA, Shane R, et al. **Potential benefit of electronic pharmacy claims data to prevent medication history errors and resultant inpatient order errors**. *J Am Med Inform Assoc*. 2016;0:1–9. doi:10.1093/jamia/ocv171, Research and Applications.
12. Pevnick JM, Nguyen CB, Jackevicius CA, Palmer KA, Shane R, Bresee C, Bear ME, Zaitseva O, Seki D, Desai A, Doyle B, Bell DS. **Minimizing Medication Histories Errors for Patients Admitted to the Hospital Through the Emergency Department: A Three-Arm Pragmatic Randomized Controlled Trial of Adding Admission Medication History Interviews by Pharmacists or Pharmacist-Supervised Pharmacy Technicians to Usual Care**. *J Patient-Centered Res Rev*.2015;2:93.
13. Shane R, Abramowitz P. **Choosing Wisely®: Pharmacy Role in Effective Use of Medication**. *Am J Health-Syst Pharm*. 2015; 72:1529-30.
14. Shane, R. **Translating health care imperatives and evidence into practice: The “Institute of Pharmacy” report**. *Am J Health-Syst Pharm*. 2012; 69:1373-83.
15. Abu-Ramaileh A, Shane R, Churchill W, et al. **Evaluating and classifying pharmacists’ quality interventions in the emergency department**. *Am J Health Syst Pharm*. 2011; 68:2271-2275.
16. Shane, R. **Advancing technician roles**. *Am J Health-Syst Pharm*. 2011; 68: 1834-5.

Selected Posters

1. Amer K, Luong D, Rosen SL, Tantipinichwong N, Rosen O, Shane R. **Pharmacist Discharge Counseling and Reconciliation (PharmDCore)**. American Geriatrics Society Annual Scientific Meeting. San Antonio, TX. May 2017.
2. McGalliard B, Rosen SL, Luong D, Shane R. **Safe Medication Transitions in Frailty Patients**. American Geriatrics Society Annual Scientific Meeting. San Antonio, TX. May 2017.
3. Noh, L. **Department of Pharmacy Services Safe Medication Transitions Program (SafeTMed) Timeline**. ASHP Midyear Clinical Meeting. Las Vegas, NV. December 2016.
4. Yang H, Smith E, Marks G, Ochner M, Watson R, Krishna, Tran H, Shane R, Murthy R, Grein J. **Antimicrobial Stewardship Facetime: Comparison of Two Rounding Models at a Tertiary Medical Center**. Poster ID Week (San Diego, CA). Oct 2016.
5. Vakil N, Hirai-Yang A, Gaut P, Tran H, Stanford W, Sax H, Grein J, Shane R. **Antimicrobial Time Out: Novel Approach to Expand Antimicrobial Stewardship in a Large, Tertiary Medical Center**. ID Week (San Diego, CA). Oct 2015.
6. Morgan M, Grein J, Tran H, Shah P, Vakil N, Hirai-Yang A, Shane R, Murthy R. **Challenges of Antimicrobial Stewardship at a Community Hospital using Rapid Identification Methods for Gram Positive Bacteremia**. American Society of Microbiology 2015.
7. Upton T, Shane R, Zaitseva O, Palmer K, Luong D. **Avoidable Medication-Related Readmissions by Using Standard Processes for Prioritizing Patients and Pharmacy-Driven Transitions of Care Interventions**. University Health Consortium Pharmacy Council Meeting. Anaheim CA. December 2014.
8. **Utilizing Eastern Cooperative Oncology Group (ECOG) Performance Status scores to prevent harm with Chemotherapy at the End of Life, Palliative Care in Oncology Symposium 2014**



Selected Presentations

1. Rosen SL, McGalliard B, Amer K, Luong D, Tantipinichwong N, Rosen O, Shane R. **Pharmacy-Based Care Transitions in Geriatrics Patients: Two Single Center Pilot Studies.** IAGG World Congress of Gerontology and Geriatrics. San Francisco, CA. July 2017.
2. Shane, R. **Keynote Address: Population Health: Pressure Points and Opportunities.** Vizient University Health-System Consortium Meeting, December 2016.
3. Noh L, Bennwitz K. **Ace the MACE (medication-related acute care episode): Results of a multi-center quality improvement study to assess the impact of pharmacists' post discharge follow-up on high risk patients.** Vizient University Health-System Consortium Pharmacy Council Meeting. Las Vegas NV. December 2016.
4. Luong, D. **Improving Care Transitions: Pharmacy Led Models.** ASHP Midyear Clinical Meeting. Las Vegas, NV. December 2016.
5. **QuickFISHING for Bugs: Use of Rapid Diagnostic Tests to Ensure Timely Treatment of Infections,** ASHP Midyear Clinical Meeting (Las Vegas, NV). Dec 2016.
6. Shane R. **Strategies to Reduce Readmissions & Improve Financial Performance by Leveraging Pharmacy Services,** Vizient University Health-System Consortium Webinar, November 2016.
7. Luong D, Palmer K. **CSMC Safe Medication Transitions Starter Kit.** CSHP Seminar Conference. Anaheim, CA. October 2016.
8. Patel, V. **Let's Get moving Forward: Passive Decision support.** ASHP Summer Meeting 2016.
9. Luong D, Palmer K, Shane R. **MACEs Matter: Preventing Medication-Related Acute Care Episodes During Transitions of Care.** ASHP Midyear Clinical Meeting. New Orleans, LA. December 2015.
10. Upton T, Shane R, Zaitseva O, Palmer K, Luong D. **Avoidable Medication-Related Readmissions by Using Standard Processes for Prioritizing Patients and Pharmacy-Driven Transitions of Care Interventions.** University Health Consortium Pharmacy Council Meeting. Anaheim CA. December 2014.
11. Shane, R. **Strategic Pharmacy Services to Ensure Safe Medication Transitions Across the Continuum of Care.** University Health-System Consortium Annual Meeting, October 2014.
12. Shane R, Urbanski, C. **Information Technology-Leading Versus Being Led in the New Information Era.** ASHP Conference for Leaders in Health-Systems Pharmacy. October 2011.
13. Shane R, Patka J, Churchill W. **Medication Errors Recovered by Emergency Department Pharmacists,** ASHP Midyear Meeting, December 2009.
14. Shane, R; Saya F. **How to be a Great Mentor.** Arizona Pharmacy Alliance Annual Meeting, July 2006
15. Hackmeyer, P; Shane, R; Failner, B. **Multidisciplinary Approach to Improving Patient Satisfaction with Pain Management,** California Institute for Health Systems Performance, February 2003.
16. Luong, D; Shane R. **Creating a Guide to the Principles of Safe Medication Use for Nurses,** ASHP Midyear Meeting, December 2002.
17. Vo, A; Shane, R; Saltiel, E. **Pharmacists' s Role in Development of a Critical Pathway for Elective Bypass Surgery.** ASHP Annual Meeting, 1995.
18. Muraszko, J; Shane, R; Kidder, P. **Pay for Performance: A System for Performing the Pharmacy Technician Annual Review.** ASHP Annual Meeting, 1993.



PGY-2 Hematology/Oncology Pharmacy Practice

PGY-2 Hematology/Oncology Pharmacy Practice

Residency 2022-2023

Cedars-Sinai Medical Center is an 886-bed acute, tertiary teaching care hospital located in the heart of Los Angeles, California. We have grown to become one of the leading medical centers in the world...through inspired leadership; centers of excellence; cutting-edge evidence-based practice; distinguished physicians; groundbreaking research and advanced technology.

Pharmacists are crucial partners in the care team of every patient at Cedars-Sinai. Our patients have many different needs, from pain management after surgery, to coordinating 35 different drugs to prevent organ rejection after transplantation, to just getting the right prescription after a routine check-up. In every case, we are committed to ensuring the safest, most effective medication is given every time. Our pharmacists are key members of the expert team of physicians, nurses and other healthcare professionals who make Cedars-Sinai known around the world. The Pharmacy Department consists of more than 380 staff members providing industry-leading, evidence-based medicine.

The Advanced Pharmacy Residency in Hematology/Oncology at Cedars-Sinai Medical Center is designed to provide the resident with extensive training in the treatments of cancer, hematological conditions and complications related to chemotherapy. Comprehensive cancer care is provided via 2 outpatient cancer programs and inpatient adult and pediatric programs. Pharmacists services are integrated within the bone marrow transplant team (BMT) and investigational drug research programs.

The resident will develop a commitment to life-long learning and professional practice through achieving professional competence serving as a member of a multidisciplinary health care team providing direct patient care during clinical rotations in inpatient and outpatient oncology practice. The resident will also develop leadership skills in improving the safety of the medication use system and develop problem-solving skills through participation in departmental and organizational initiatives and provide education and teaching for healthcare team and patients.

Optional: major project throughout the year to be presented at Western States Conference.

The residency program rotations include (not limited to):

- | | |
|--|--|
| ◆ Orientation/Training | ◆ Pain/Palliative/Hospice Care |
| ◆ Inpatient Oncology/Hematology | ◆ Research & Investigational Medications |
| ◆ Inpatient Blood and Marrow Transplantation (BMT) | ◆ Pediatric Hematology/Oncology |
| ◆ Outpatient Hematology/Oncology/BMT Clinics | ◆ Inpatient Infectious Disease |
| ◆ Chemotherapy Preparation and Dispensing | ◆ Drug Use Policy |
| | ◆ Informatics focused on oncology patient care needs |

Specialized Residency Requirements

- The applicant must be a graduate of an accredited School of Pharmacy with a Doctor of Pharmacy degree and successfully completed (or in process of completing) a PGY1 Pharmacy Practice Residency.
- Candidates must be eligible for licensure in California and resident is expected to be licensed by September of the residency year.
- Staffing requirement 4 days/month

Benefits

Benefits include 26 days of Vacation and Holiday Time (VHT), 10 of which are used for educational leave, as well as medical and dental insurance.

For additional information about Cedars-Sinai Medical Center Pharmacy Department available at:

<http://www.cedars-sinai.edu/Patients/Programs-and-Services/Pharmacy-Services/index.aspx>

For further information regarding PGY2 Residency in Hematology/Oncology Pharmacy Practice contact:

Vipul Patel, Pharm.D.

Executive Director

Department of Pharmacy Services

Cedars-Sinai Medical Center

8700 Beverly Blvd, St MOT 1165W

Los Angeles, CA 90048

Phone: (310) 423-5611; Fax: (310) 423-0412; Email: Vipul.patel@cshs.org



PGY-2 Transitions of Care

PGY-2 Transitions of Care

Residency 2022-2023

Cedars-Sinai Medical Center is an 886-bed acute, tertiary teaching care hospital located in the heart of Los Angeles, California. We have grown to become one of the leading medical centers in the world...through inspired leadership; centers of excellence; cutting-edge evidence-based practice; distinguished physicians; groundbreaking research and advanced technology.

Pharmacists are crucial partners in the care team of every patient at Cedars-Sinai. Our patients have many different needs, from pain management after surgery, to coordinating 35 different drugs to prevent organ rejection after transplantation, to just getting the right prescription after a routine check-up. In every case, we are committed to ensuring the safest, most effective medication is given every time. Our pharmacists are key members of the expert team of physicians, nurses and other healthcare professionals who make Cedars-Sinai known around the world. The Pharmacy Department consists of more than 380 staff members providing industry-leading, evidence-based medicine.

The Advanced Residency in **Transitions of Care** (TOC) at Cedars-Sinai (CSMC) is designed to provide the resident with experience in managing patients throughout the various phases of transitions of care. This evolving area of practice enables pharmacists to become directly involved in patient care, reduce costly readmissions, and improve patient outcomes. At CSMC, we are engaged in a growing number of transitions of care initiatives including collaboration with hospitalist physicians, managing CHF patients, post-discharge follow up of high-risk patients including those discharged to skilled nursing facilities, medication reconciliation in the emergency room, during hospitalization and in the pre-operative setting. We are also actively engaged in research to demonstrate the value of pharmacists and technicians in this essential aspect of patient care.

Populations served include:

- | | |
|--------------------------------------|------------------------------|
| ◆ Medicine / Surgery / Critical Care | ◆ Operating room |
| ◆ Pediatrics / Geriatrics | ◆ Cardiology |
| ◆ Oncology | ◆ Neurosurgery and neurology |
| ◆ Transplantation | ◆ Emergency Medicine |

Experiences and Areas of Focus:

- Participation in and coordination of interdisciplinary transitions of care initiatives across the organization
- Transitions of care services across the continuum of care (admission, during hospitalization, discharge, post discharge) in different hospital settings (Emergency room, direct admission, ICU, routine care areas, discharge to home and care facilities).
- Engage in research and outcomes initiatives
- Transitions of care in specialized patient populations (e.g. CHF, oncology, transplantation, Medicare Advantage/elderly)
- Precepting PGY1 residents and students; training and supervision of TOC technicians
- Participation in medical staff committees and pharmacy leadership program management

Specialized Residency Requirements

- The length of the residency program is one year from the start date.
- The applicant must be a graduate of an accredited School of Pharmacy with a Doctor of Pharmacy degree and successfully completed (or in process of completing) a PGY1 Pharmacy Practice Residency.
- Candidates must be eligible for licensure in California and resident is expected to be licensed by September of the residency year.
- Staffing requirement 4 days/month

Benefits

Benefits include 26 days of Vacation and Holiday Time (VHT), 10 of which are used for educational leave, as well as medical and dental insurance.

For additional information about Cedars-Sinai Medical Center Pharmacy Department available at:
<http://www.cedars-sinai.edu/Patients/Programs-and-Services/Pharmacy-Services/index.aspx>

For further information regarding PGY2 Transitions of Care residency contact:

Donna Leang, PharmD, MHDS, BCPS, FCSHP
Medication Safety/Transitions of Care Manager
Cedars-Sinai Medical Center
8700 Beverly Blvd, MOT 1165W
Los Angeles, CA 90048

Phone: (310) 423-5611; Fax: (310) 423-0412; Email: Donna.Leang@cshs.org

ABOUT OUR FEARLESS LEADER

Rita Shane, Pharm.D., FASHP, FCSHP



is the Vice President, Chief Pharmacy Officer and Professor of Medicine at Cedars-Sinai Medical Center, an 886-bed acute, tertiary care, teaching institution in Los Angeles and Assistant Dean, Clinical Pharmacy Services, at the University of California, San Francisco, School of Pharmacy. She is responsible for over 350 staff members. Dr. Shane's goal is to ensure that wherever patients need care, there is a demand for pharmacists to ensure optimal management of medications.

Over the years, Dr. Shane has been recognized for her passion for the profession. She is the 2020 recipient of the California Society of Health-System Pharmacists (CSHP) lifetime Honorary Membership and the 2018 recipient of the American Society of Health-Systems Pharmacists (ASHP) Honorary Membership Award for her outstanding contributions to the profession. She received the 2017 USC School of Pharmacy's Medallion Award for outstanding leadership. She was named as one of the "50 Experts Leading the Field of Patient Safety," in the 2013 Becker Hospital Review and was the 2012 recipient of the Harvey A.K. Whitney Award, the highest award in health-system pharmacy practice. In 2007, she received the California Society of Health-System Pharmacists (CSHP) Pharmacist of the Year Award and the Distinguished Service Award from the ASHP Section of Pharmacy Practice Managers. Dr. Shane was the 2005

recipient of the ASHP Distinguished Leadership Award and the 1995 recipient of the John Webb Visiting Professorship in Hospital Pharmacy for management excellence.

Dr. Shane authored a bill in collaboration with Senator Jeffrey Stone to require that pharmacy staff in California obtain medication lists for high-risk patients admitted to hospitals; signed by the Governor into law in 2018. She was also a co-investigator in two research studies in collaboration with the UCSF School of Pharmacy and approved by the California State Board of Pharmacy to demonstrate the safety and importance of allowing technicians to check technician-filled medication cassettes in hospitals. Dr. Shane was also co-investigator of a 2000 National Patient Safety Foundation Research Award to study the impact of dedicated medication nurses on the rate of medication administration errors, a randomized, controlled trial the results of which were subsequently published in the *Archives of Internal Medicine*. She was one of the investigators in a multicenter study of medication errors recovered by emergency department pharmacists which was published in the *Annals of Emergency Medicine*.

Dr. Shane was invited to be a U.S. facilitator at the Global Conference on the Future of Hospital Pharmacy held during the 68th Congress of the International Pharmaceutical Federation and was responsible for reviewing the international literature about medication administration. She also was asked to write one of the ASHP Pharmacy Practice Model Summit papers. Throughout her career, Dr. Shane has participated on committees and task forces at the state and national levels including the American Hospital Association Committee on Health Professions, the Joint Commission and the California Hospital Association Medication Safety Committee.

She has provided over 200 presentations at local, state, national and international meetings and has published 100 papers in the peer-reviewed literature. She loves teaching and has mentored over 120 pharmacy residents. Her Big Hairy Audacious Goal is that patients ask, "Where is my pharmacist?" whenever they receive healthcare services.

Our Fearless Team



RESIDENCY TRADITIONS



Program Dinners

At each conference, the residents and preceptors go out for dinner to explore the city and network.

RPD Picnic

Each summer, one of the RPDs will host the residents and preceptors!



End of Residency Celebrations

The department celebrates the graduation of PGY1 and PGY2 residents alongside our interns with food, music, and presentation of certificates.

Pharmacy Week

To celebrate National Pharmacy Week, each residency class plans events to highlight the achievements of the department over the past year. Residents get to exercise their creativity and interact with more staff members on our pharmacy team.





A Day in the Life





Department of Pharmacy Services

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Phone: (310) 423-5611; Fax: (310) 423-0412

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