

# Annual Report

2022

UNIVERSITY OF THE  
PACIFIC

Thomas J. Long  
School of Pharmacy



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# Annual Report

THOMAS J. LONG SCHOOL OF PHARMACY  
2022

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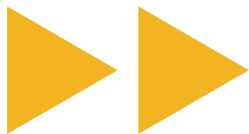


# PAUSE. TAKE A MOMENT.

Reflect on what you have accomplished this past year.



The Thomas J. Long School of Pharmacy's inaugural annual report is an opportunity to celebrate what we have achieved by working together toward the shared goal of providing a student-centered learning environment that cultivates future health care professionals and scientists.



**In August 2021, we welcomed 204 students into the doctor of pharmacy (PharmD) program and in May 2022, we celebrated 190 PharmD graduates and 11 Pharmaceutical and Chemical Sciences Program (PCSP) graduates during our commencement events.**

Our faculty, staff, students and alumni distinguished themselves in noteworthy ways. In addition, we challenged ourselves to consider how we can each be champions of diversity, equity and inclusion.

We are grateful for our Pacific pharmacy family and the teamwork you provided to help us lead with excellence.

---

**\$827K**

Total funding from grants supporting research and health care initiatives in the community

**\$640.5K**

Scholarships awarded to PharmD and PCSP students

**195**

Combined faculty and staff years of service

**185**

Scholarships awarded to 109 PharmD students and 26 PCSP students

**51**

Faculty publications

**36**

Faculty presentations

**14**

Faculty and staff promotions

**11**

Faculty and staff new hires

## Dean's Leadership Council

Fortune Que Andrada	Douglas "Doug" B. Hillblom '78	Amir H. Shojaei '93
Jonathan M. Chan '09	Elizabeth G. Johnson '87	Catherine Grady Sterk '77, '78
Joy Lee Chang '92	Kevin L. Komoto '08, '09	Andrea K. Wamsley '03
Sundeeep S. Gill '00	Robert P. Nickell '81	Nisha Saini Zala '09
Clark H. Gustafson '66	Elizabeth Akhparyan Park	

## Entrepreneurial Board of Governors

Robert Bagdasarian '74	Brian Komoto	Jeff Sharkey
Gurpartap "Gary" Basrai '77	William Masotti '66	Edward S. Sherman*
Randell "RJ" Joseph Correia '81*	Robert Nickell '81	John Tilley
Clark H. Gustafson '66	Phillip R. Oppenheimer	*Posthumously

## Industrial Advisory Board

Bret Berner	Stephen N. Kirnon	Cynthia Stevenson
Kondamraj "Raj" Birudaraj '01	Norman H. Kobayashi '70, '73	Abraham U. Surjadinata '94
Simon Chin	Sreenivasu Mudumba '94, '10	Guo-Liang Yu
David Cippola	Rajesh A. Patel '87	Nurulain Zaveri
John E. Hearst	Pasit Phiasivongsa '98, '02	D. "Tony" Zhang
Bhaskara R. Jasti '95	Nirmal K. Saini	Mike Zhou
Ruhong Jiang	Michael J. Seminerioteva	
Brian Johnston	Scott Smith	

## Jie Du Center for Innovation and Excellence for Drug Development Advisory Board

Christopher M. Cashman	Bhaskara R. Jasti '95	Linda L. Norton '91
Bhaskar Chaudhuri	Sara Kenkare-Mitra	Miki Susanto Park
Sharon Clarke	Xiaoling Li	Atefeh Rabiee
Jeffrey Cleland	Shichang Miao	Sanjeev Redkar

## Pacific Pharmacy Alumni Association Board Members

Veronica T. Bandy '00, '08	Johanna Liu '09	Stacey Raff '96
Bianca Bradshaw '04	Tom Maez '85	Irene (Andrada) Solorio '15
Jeanne Brady '93	Adam Morisoli '10	Catherine Grady Sterk '77, '78
Annie Ho '12	April Nguyen '16	Jamie Tobitt '90
Joseph "Joe" Jolliff '09	Nam Nguyen '08	James H. Wall '16
Peter Koo '92	Osagie Omoruyi '19	Edlen Wong '07



# Recruitment and enrollment update

## DOCTOR OF PHARMACY CLASS OF 2024

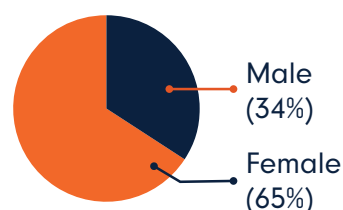
Average GPA

**3.33**

Average age

**22.8**  
years old

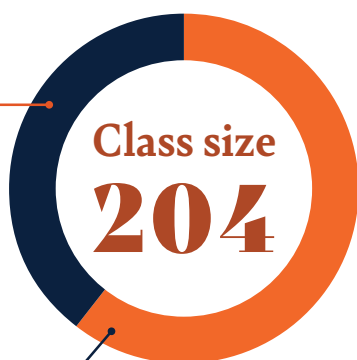
Gender



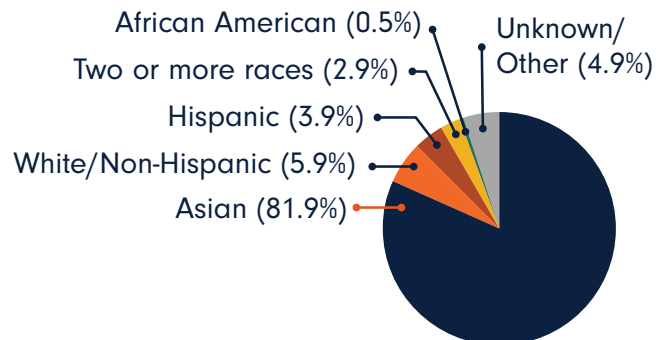
Transfer students  
(40%)

**Class size**  
**204**

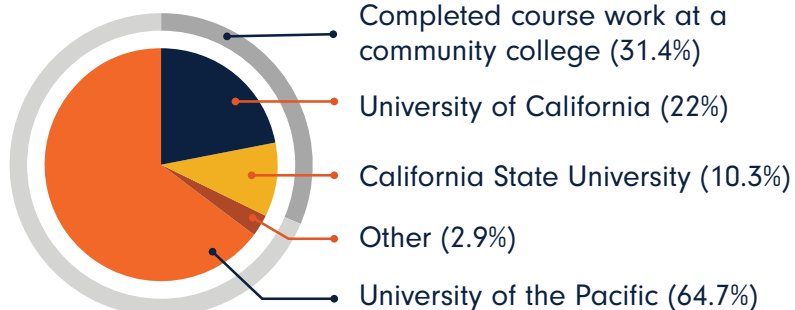
Pacific  
Pre-Pharmacy  
Advantage  
students (60%)



Ethnicity



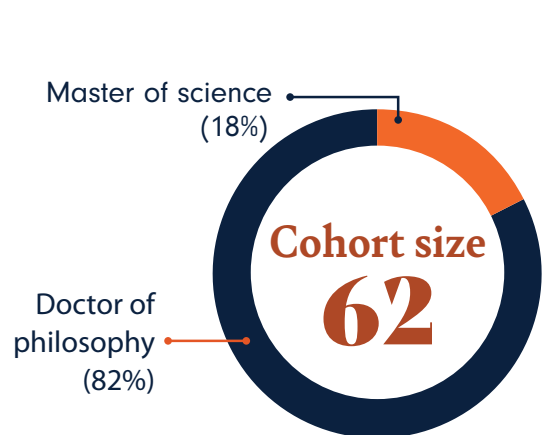
Prior institution



Top 5 schools

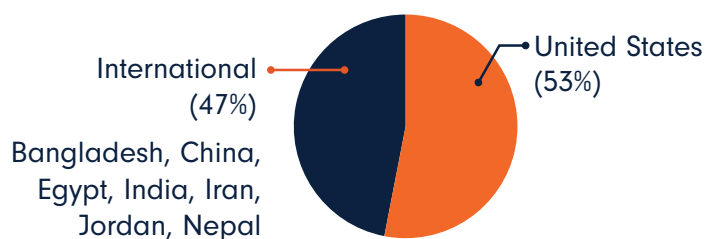
University of the Pacific  
UC Davis  
CSU Fresno  
UC Irvine  
UC Merced

# PHARMACEUTICAL AND CHEMICAL SCIENCES PROGRAM

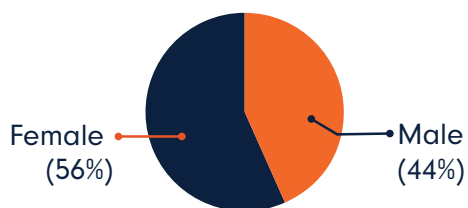


**20**  
Students who completed  
their undergraduate degree at Pacific

## Country of origin



## Gender



## STUDENTS PER FOCUS AREA

**20**

Bioanalytical chemistry,  
physical chemistry and  
biochemistry

**25**

Biopharmaceutical sciences

**8**

Chemical synthesis, drug  
discovery and design

**2**

Health care outcomes  
and clinical services

**7**

Molecular-cellular  
pharmacology and  
toxicology



## CLASS OF 2022

5

Master of Science in  
Pharmaceutical and  
Chemical Sciences graduates

6

Doctor of Philosophy  
in Pharmaceutical and  
Chemical Sciences graduates

190

Doctor of Pharmacy  
graduates



#3

In California for pharmacy  
students matching for PGY1 and  
PGY2 residencies

52

Students and alumni  
matched with PGY1  
residencies

7

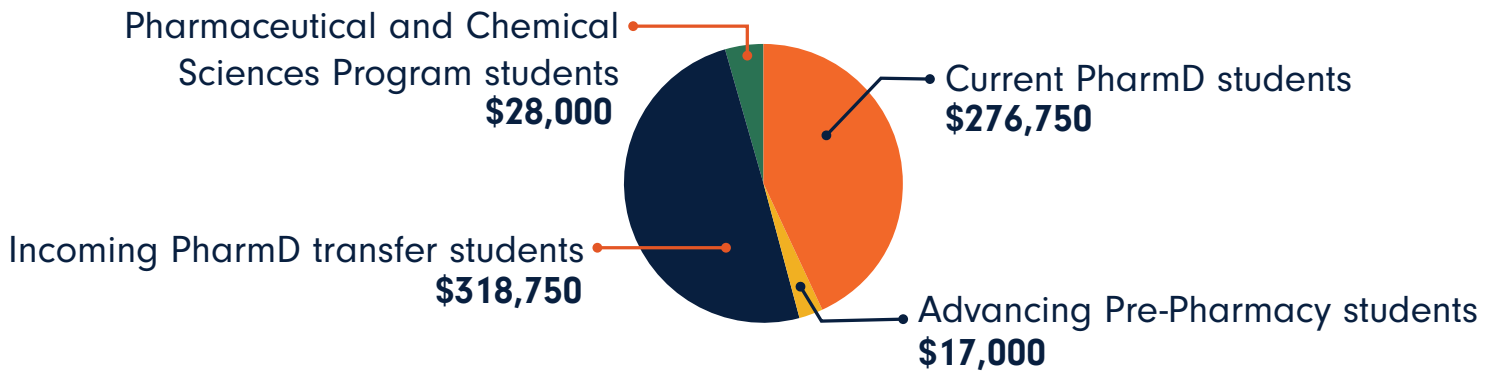
Students accepted to  
fellowship programs

8

Students and alumni matched  
with PGY2 residencies



# Scholarships

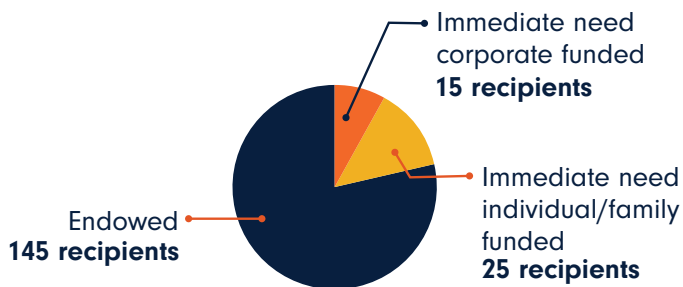


**\$640,500**

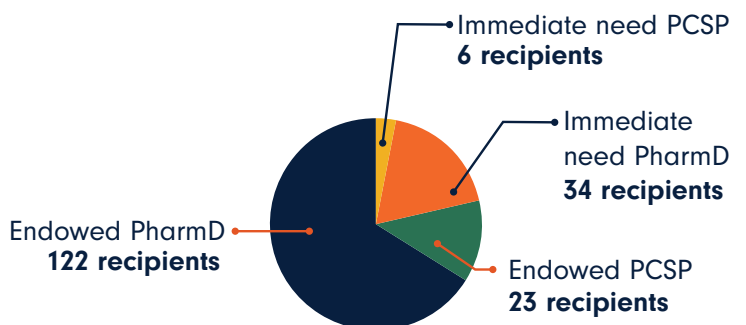


**185** Scholarships awarded

By type

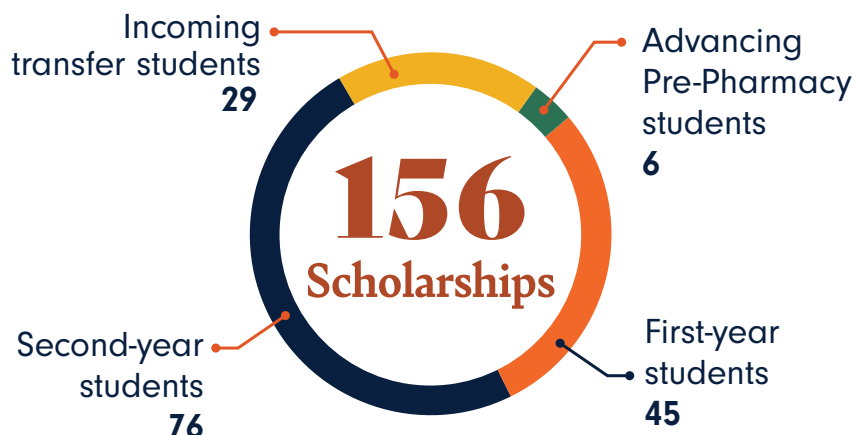


Type by program





## Doctor of Pharmacy scholarships



## Pharmaceutical and Chemical Sciences Program scholarships

29 scholarships awarded to 26 PhD students

**\$28,000**



## Support the future of your profession

Any gift, no matter the size, impacts the future of health care. Choose how you want to support the School by going to [bit.ly/supportpharmacy](https://bit.ly/supportpharmacy)



**Susan E. Webster**  
Executive Director of Development  
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[swebster@pacific.edu](mailto:swebster@pacific.edu)

# Faculty and staff serve as creative, strategic leaders



**Berit Gundersen '84**, PharmD was appointed interim dean on July 1. With the exceptions of her pharmacy residency, fellowship and one year teaching at University of Connecticut, she has spent her entire professional career at Pacific. She joined the Pacific faculty as an assistant clinical professor of pharmacy practice in 1986 and earned full professorship in 2005. Dean Gundersen joined the Office of the Provost in 2007 as an assistant provost and served in various roles, including vice provost for faculty affairs from 2015 to 2018. She recently served as interim associate dean of Pacific's School of Health Sciences. In this role, she led the launch of the new school and its academic programs. Dean Gundersen helped support the launch and accreditation of several new programs, including the Master of Science in Clinical Nutrition and the Master of Social Work.

**Dua Her '09** serves as executive director of external relations. In this role, she manages the School's alumni relations and marketing team. She also supports donor relations as well as recruitment and yield initiatives. She serves as editor of Interactions, the School's annual magazine, and spearheads the Annual Report, a new initiative. The Office of External Relations coordinates several of the School's marquee events, including the Doctor of Pharmacy White Coat Ceremony, Parent and Family Orientation, Scholarship Ceremony and the Diploma and Hooding Ceremony, in addition to working with campus partners to host commencement and Homecoming and Family Weekend events.



**Tara Jenkins**, PhD joined the Pacific pharmacy family in August 2021 as associate dean for academic affairs. Dr. Jenkins brings nationally recognized expertise in pharmacy education assessment. She applies her research on student learning outcomes to enhance the School's curriculum and assessment. Dr. Jenkins approaches her role from the lens of a health care professional, faculty member and administrator, allowing her to focus on the essential skills and knowledge students need to become successful, patient-centered pharmacists.



**Carly A. Ranson '13, '17**, PharmD, MS, BCGP, assistant professor of pharmacy practice, serves as director of pharmacy co-curricular programming. Dr. Ranson is responsible for the leadership, management and outcomes of the PharmD co-curricular program. She built and maintains the platform housing the co-curricular programming, which enables students to track their progression live and helps them identify opportunities for growth. Dr. Ranson works closely with student organizations to oversee the delivery of effective co-curricular activities that add value to our students' educational experiences and enhance services in our community.



**Jim Uchizono**, PharmD, PhD, professor of pharmaceuticals and medicinal chemistry, serves as associate dean, overseeing the Office of Recruitment, Admission and Enrollment (ORAE). Dr. Uchizono's leadership and expertise advance and accelerate efforts to enhance the visibility of the School's programs, while enrolling highly qualified students who align with the spirit of Pacific. The ORAE team serves prospective students who are exploring the pre-pharmacy, PharmD or Pharmaceutical and Chemical Sciences graduate programs.

**Susan E. Webster** serves as executive director of development. She joined Pacific in 2012 and her efforts have helped the School exceed its fundraising goal each year for the past 10 years — a total of \$36 million. In 2022, she was instrumental in securing six endowed scholarships and two program endowments, which were all matched by the Powell Match fund. She engages with alumni and donors at University events and conferences hosted by professional organizations as well as by serving as executive director of the Pacific Pharmacy Alumni Association.



**Tony Williams** joined the School in April 2022 as director of recruitment. Williams has more than 20 years of experience recruiting candidates seeking careers in health care for private universities and the U.S. Air Force. His experience includes more than seven years focused on recruiting PharmD candidates. A U.S. Air Force veteran, he offers unique insights on veterans who are pursuing a career in pharmacy. Williams' hands-on approach is centered on connecting with each prospective student individually. As a father of a current health care student, his greatest reward is connecting young people to a pathway that makes their dreams come true.

# Faculty recognition



## Pharmacy Teacher of the Year

**Rajul Arvind Patel '01, '06,**  
PharmD, PhD  
Professor



## Runner-Up Pharmacy Teacher of the Year

**Suzanne Galal,** PharmD  
Professor



## Regional Coordinator of the Year

**Elaine Law,** PharmD, BCPS, FCSHP  
Associate Clinical Professor,  
Regional Coordinator - San Jose

## PRECEPTORS OF THE YEAR

### Introductory Pharmacy Practice Experience

**Hamza Ziadeh,** PharmD  
*Community*

**Petrus Nguyen-Tu '20,** PharmD  
*Health Care Outreach*

**Gianna Firpo,** PharmD  
*Hospital*

### Advanced Pharmacy Practice Experience

**Jenny Vu '16,** PharmD  
*Bakersfield*

**Mark Awad '12,** PharmD, BCCCP  
*Modesto/East Bay*

**Petrus Nguyen-Tu '20,** PharmD  
*San Jose*

**Matthew Ford,** PharmD  
*Fresno*

**Caroline Ha '15,** PharmD  
*Palo Alto*

**Sarah Halcomb '14,**  
PharmD, BCPS  
*Santa Barbara*

**Susie H. Park,** PharmD, APh, BCPP,  
FCSHP  
*Inland Empire*

**Hans Teuscher,** PharmD  
*Redding*

**Hee Jae "Janet" Chung '16,** PharmD,  
BCPS  
*Stockton*

**Ryan Ristau,** PharmD  
*LA/Long Beach*

**Chi-Leung Lai,** PharmD  
*Sacramento*

**Fernando Estrada,** PharmD, BCPS,  
BCIDP  
*Travis Air Force Base*

**Edward "Eddie" Lee '10,** PharmD  
*LA/San Fernando Valley*

**Charisma Urbiztondo,** PharmD  
*San Diego*

**Cindy Hanh Chen,** PharmD  
*San Francisco*

### Distinguished Service Award

**Ivan Ho,** PharmD  
*San Francisco*

**Kaitlyn Moorehead,** PharmD  
*Santa Barbara*

## YEARS OF SERVICE

25

**William K. Chan**, PharmD, PhD, professor, Department of Pharmaceutics and Medicinal Chemistry

20

**Robert F. Halliwell**, PhD, professor, Department of Physiology and Pharmacology

**Roshanak Rahimian**, PharmD, MSc, PhD, professor, Department of Physiology and Pharmacology

15

**Eric G. Boyce**, PharmD, professor, Department of Pharmacy Practice

**Susan Burkhardt '15**, program manager of academic affairs and assessment, Office of Academic Affairs

**Kimberly Eayrs '82**, coordinator of pre-pharmacy program, Office of Pre-Pharmacy

**Mary Nakamura**, administrative assistant II, Office of Recruitment, Admission and Enrollment

**Maria Orosco '20**, administrative assistant II, Office of Student Affairs

10

**Linda Selvidge**, assistant director of professional programs, Office of Professional Programs

**Rachel Soares '09, '15**, facilities/technology project manager, Office of Support Services

**Deepti Vyas**, PharmD, professor, Department of Pharmacy Practice

**Susan E. Webster**, executive director of development, Office of the Dean

5

**Neel Prasad '96**, PharmD, associate clinical professor, Department of Pharmacy Practice

**Carlos A. Villalba-Galea**, PhD, associate professor, Department of Physiology and Pharmacology

**James Young**, technical support specialist I, Office of Support Services

## NEW FACES, PROMOTIONS AND TENURES

July 1, 2021–June 30, 2022

**Anne Marie H. Bergthold** was promoted to marketing manager, Office of External Relations.

**Susan Burkhardt '15** was promoted to program manager of academic affairs and assessment, Office of Academic Affairs.

**Sonia Garcia** was hired as administrative assistant II, Office of Professional Programs.

**Alexis "Lexie" Gonzales** was promoted to business support specialist I, Office of Professional Programs.

**Antonia Hernandez** was promoted to academic affairs specialist, Office of Academic Affairs.

**Tien Ho '14** was hired as technical support specialist II, Office of Support Services.

**Tara Jenkins**, PhD was hired as associate dean, Office of Academic Affairs.

**Caroline Ko**, PharmD, BCPS, BCCCP was hired as associate clinical professor, Department of Pharmacy Practice.

**Christine Lee** was hired as administrative assistant III, Department of Pharmacy Practice.

**Lauri McInnis** was promoted to director of faculty and staff administrative affairs, Office of the Dean.

**Sonya North** was promoted to program manager, Pharmaceutical and Chemical Sciences Program.

**Maria Orosco '20** was hired as administrative assistant II, Office of Student Affairs.

**Becky Perry '01, '09** was promoted to alumni relations manager, Office of External Relations.

**Neel Prasad '96**, PharmD was promoted to associate clinical professor, Department of Pharmacy Practice.

**William Rosales** was hired and was promoted to administrative assistant III, Jie Du Center for Innovation and Excellence for Drug Development.

**Linda Selvidge** was promoted to assistant director, Office of Professional Programs.

**Nareeta Sharma '18, '21**, PharmD, MS was hired as program manager, Diabetes Care Clinics and assistant clinical professor, Department of Pharmacy Practice.

**Eric Shepherd** was promoted to executive director of business and operations, Office of the Dean.

**Risa Fujishige Siador** was promoted to business support specialist II, Office of Professional Programs.

**Carmen K. Swanson** was promoted to assistant director of student affairs, Office of Student Affairs.

**Patricia Tam** was promoted to administrative assistant III, Patient Care Clinics.

**Suzanne Uchizono** was hired as administrative assistant II, Diabetes Patient Care Clinics.

**Lynda Walker** was hired as administrative assistant III, Office of External Relations.

# Tiger Stripes

JULY 1, 2021 – JUNE 30, 2022

Our faculty and staff are constantly earning their stripes on campus, across the country and around the world.

## GRANTS

### \$500K to combat diabetes

Pacific received \$420,000 from the Abbott Fund to prevent and manage diabetes through screening, testing and medication management, while also minimizing barriers to medication adherence. The funding also will be used to create community-based health fairs in different priority areas to provide services to underserved populations.

**Rajul Arvind Patel '01, '06**, PharmD, PhD, professor of pharmacy practice and director of patient care clinics, on behalf of the Diabetes Care Clinics, received a \$40,000 grant from the American Rescue Plan Act via the Human Services Agency and a \$16,150 grant from the Department of Aging in San Joaquin County.

**Roshanak Rahimian**, PharmD, MSc, PhD, professor and chair of the Department of Physiology and Pharmacology, Dr. Patel, **Nareeta Sharma '18, '21**, PharmD, MS, assistant clinical professor of pharmacy practice, Theresa Garner, APRN, BC-ADM, MSN, CDCES, assistant clinical professor and director of diabetes management certificate programs, William Herrin, PhD, professor of economics, and Katie Savin, PhD, MSW, assistant clinical professor of social work, received a \$24,000 grant from Pacific's Office of Sponsored Programs for the project "Impact of inequities in the development of prediabetes/diabetes in high priority neighborhoods in Stockton."



APRN, BC-ADM, MSN, CDCES, assistant clinical professor and director of diabetes management certificate programs, William Herrin, PhD, professor of economics, and Katie Savin, PhD, MSW, assistant clinical professor of social work, received a \$24,000 grant from Pacific's Office of Sponsored Programs for the project "Impact of inequities in the development of prediabetes/diabetes in high priority neighborhoods in Stockton."

Dr. Patel, on behalf of the Medicare Part D Outreach Clinics, received a \$56,250 grant from the Area Agency on Aging.

Dr. Patel received a \$5,620 grant from the Human Services Agency to support the provision of Medication Therapy Management Services in older adults.

**Carly A. Ranson '13, '17**, PharmD, MS, BCGP, assistant professor of pharmacy practice and director of pharmacy co-curricular programming, and Dr. Patel received a Pacific Committee for Technonology in Education \$4,065 grant for their proposal "Improving student patient interactions and delivery of care to adults with hearing difficulties."

Dr. Rahimian received a \$3,000 Rupley-Church for International Relations Award from Pacific's Committee for Academic Planning and Development in April 2022.

### WE WANT TO CELEBRATE YOUR ACCOMPLISHMENTS

Did you recently publish an article in a peer-reviewed journal? Will you be presenting at an upcoming conference?

Faculty, students, preceptors and alumni, please share your noteworthy accomplishments — grants, presentations, publications and professional recognitions.

[pacific-pharmacy.org/tiger-stripes](https://pacific-pharmacy.org/tiger-stripes)





# \$250K

grant supports  
lipedema research

grant from the Lipedema Foundation for the project  
"Turning up the heat on Lipedema."

"This research is strongly motivated by the growing medical and economic costs of obesity and associated disorders," said Dr. Rabiee. "One of the unique fat disorders our research specifically focuses on is lipedema, a common but not well-recognized fat storage disorder mostly found as excessive fat in the hip areas of females."

Lipedema greatly impacts patients as this type of fat appears to be resilient to exercise and diet. Research suggests that in 60 percent of patients with lipedema the fat disorder is caused by genetics, but further research is needed as the underlying pathophysiologic cause is not fully known.

"We aim to identify the potential pharmacological and non-pharmacological compounds to convert the lipedema fat to thermogenic fat, thereby paving the way for future lipedema therapies," Dr. Rabiee said.

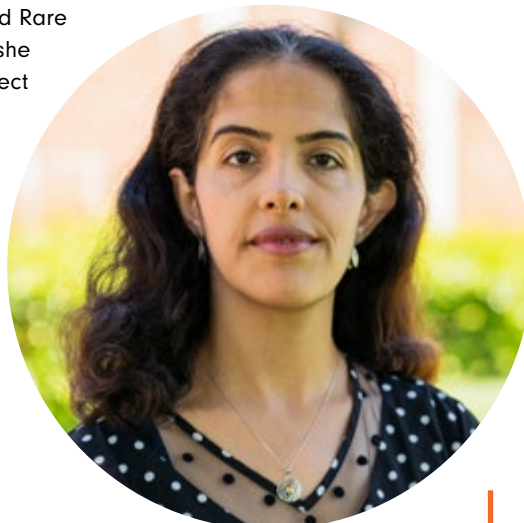
She is currently assisted by Pharmaceutical and Chemical Sciences Program doctor of philosophy student **Ankita Poojari '25** and postdoctoral researcher **Kapil Dev**, PhD. Dr. Rabiee welcomes doctor of pharmacy students who are interested in joining the research team.

In September 2021, **Atefeh Rabiee**, PhD, assistant professor of physiology and pharmacology, received a \$250,000

Due to the strong correlation between lipedema and adipose plasticity, Dr. Rabiee will be investigating this further with a \$5,000 Holmok Cancer Research Grant.

"The reason for lipedema excess fat is the plasticity of adipose tissue and fat cells, allowing them to expand with no limit," she said. "The plasticity is also the main characteristic of the adipose tissue, which I would like to take advantage of and convert the lipedema bad fat into healthy calorie-burning fat."

Dr. Rabiee has been passionate about contributing to the understanding of lipedema since she was introduced to this disease at an adipose tissue conference in 2019. In December 2021, she received a \$3,000 Rupley-Church for International Relations Award, allowing her to attend the International Conference on Orphan Drugs and Rare Diseases, where she was able to connect with fellow scientists who are investing their time and energy into developing treatments for rare diseases.



## DEI AWARDS

Recognizing champions of diversity, equity and inclusion



**Jasmine Patel**, administrative assistant III, received Pacific's Office of Diversity, Equity and Inclusion (DEI) 2021 Champion of DEI Award in the staff category.



**Athena Hagan '23** received the 2022 Champion of DEI Award in the student category.



**Erica Barr**, PharmD, assistant clinical professor of pharmacy practice, received the 2022 Champion of DEI Award in the faculty category.



**Marisella Guerrero '98**, PharmD, assistant clinical professor of pharmacy practice, received the 2022 Champion of DEI Award in the faculty category.

## STUDENT AWARDS

## 2022 Chapter of Excellence

Pacific's student chapter was recognized as a 2022 Chapter of Excellence at the California Pharmacists Association (CPhA) Western Pharmacy Exchange April 22-24, 2022 in Las Vegas.

“

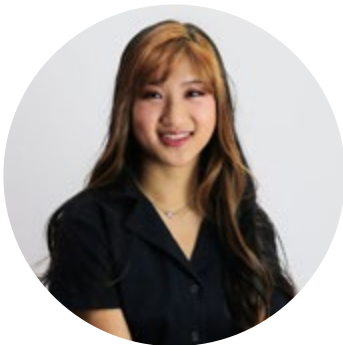
*“We are fortunate to be able to work with our local, state and national pharmacy organizations to advance the pharmacy profession. CPhA has assisted with my professional development by providing me with opportunities to interact with a myriad of pharmacists from different fields, all of whom I will end up seeing again and again throughout my pharmacy career. Their assistance played an important role in my personal success and our success as a chapter.”*

**Benson Leung '23**

American Pharmacists Association-Academy  
of Student Pharmacists 2021-22 President







**Irene Chia '22**, PharmD received the California Society of Health-System Pharmacists (CSHP) 2021 Student Leadership Award.

“

*“Volunteer for that donation drive, network at the next social and attend meetings to help plan. Once you know your organization, you’ll be able to find a reason for you to take your membership one step further. Leadership is not just another bullet point on your resume, it is a way for you to take charge of something you are passionate about.”*



**Jessica S. Kaye '22**, PharmD and Dr. Patel presented “Too great a burden to carry? Assessing anticholinergic risk in community-dwelling Medicare beneficiaries” at the American Society of Consultant Pharmacists (ASCP) Annual Meeting, Nov. 4-7, 2021 in San Diego. The poster was selected by peer reviewers as one of the Top 3 Posters at the 2021 ASCP Annual Meeting.

“

*“This scholarship is a reminder of how far I have come since starting pharmacy school. I have been supported by incredible mentors — and I have had the opportunity to serve as a mentor. This scholarship is a promise to myself to continue to serve my patients, the profession and my future mentees.”*



**Samantha Teshima '22**, PharmD received the John J. Carbone Memorial Scholarship from the CSHP Research and Education Foundation.



**Hamed Salmanzadeh-Dozdabi '23** was awarded an Axion Travel Award to present “Properties of Human Stem Cell-Derived Neurons in 2D and 3D in Long-term Cell Culture,” co-authored by **Robert F. Halliwell**, PhD, professor of physiology and pharmacology, at the International Society for Stem Cell Research, June 15-18, 2022 in San Francisco.



## PRESENTATIONS

## Pharmaceutics and Medicinal Chemistry

**Xin Guo, PhD**

*Professor*

Dr. Guo, **Zizhao Xu '24**, **Zhongyue Yuan '22**, **Yong Zhu '24** and **Qinliang Zhao**, PhD, associate professor of chemistry, et al. presented "Development of Lipid-based Micelles of Miriplatin against Lung Cancer" at the American Association of Pharmaceutical Scientists PharmSci 360, Oct. 17-20, 2021 in Philadelphia.

## Pharmacy Practice

**Eric G. Boyce, PharmD**

*Professor*

Dr. Boyce et al. presented "PharmD program rankings should and can be more meaningful than a popularity contest" at the American Association of Colleges of Pharmacy (AACP) 2021 Annual Meeting, held virtually July 19-22, 2021.



**Andrea Hinton, PharmD, FCSHP**, assistant clinical professor of pharmacy practice, received the California Society of Health-System Pharmacists 2021 Affiliate Chapter Volunteer of the Year Award.

**Adam M. Kaye '95, PharmD, FASCP, FCPhA**

*Clinical Professor, Coordinator Community I, Introductory Pharmacy Practice Experience Program*

Dr. A.M. Kaye et al. presented "Opioid Pharmacology, Interactions, and Side Effects: Practical Applications," "Abuse Deterrent Technologies: Facts and Fiction" and "Role of Antipyretics, Analgesics, Antidepressants, and Anticonvulsants in Pain Medicine" at the American Society of Interventional Pain Physicians (ASIPP) Responsible, Safe, & Evidence-Based Controlled Substance Management Comprehensive Virtual Review Course & Online Competency Exam, held virtually Jan. 29-30, 2022.

Dr. A.M. Kaye presented "Opioid and X-Waiver Program" Sept. 28, 2021 at Dignity Health St. Joseph's Medical Center in Stockton.

Dr. A.M. Kaye et al. presented "Adjuvant Drugs for Peripheral Nerve Blocks: The Role of Alpha 2 Agonists, Dexamethasone, Midazolam, and Non Steroidal Anti Inflammatory Drugs," "Pharmacological Advances in Opioid Therapy: The Role of Sublingual Fentanyl in Pain Management" and "Role of Oliceridine in Pain Management" at the ASIPP Annual Meeting, June 24-25, 2021 in New Orleans.

### SHARE YOUR NOTEWORTHY ACCOMPLISHMENTS

Tell us about your recent grants, presentations, publications and recognitions. Faculty, preceptors, students and alumni are invited to submit.

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**Elaine Law, PharmD, BCPS, FCSHP**, associate clinical professor of pharmacy practice and regional coordinator for San Jose, was elected to represent California as a member of the American Society of Health-System Pharmacists House of Delegates for a two-year term.

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*“As a delegate representing California, I am an important voice to influence the organization’s national stance on professional policies related to pharmacy practice: public health issues, medication use and social health determinant issues. At the state and national level, I have been a part of the efforts to advocate for pharmacist provider status. Issues that are on the forefront of our agenda this year include advancing DEI in education and training, eliminating the use of stigmatizing and derogatory language in health care, universal vaccination requirements for all health care providers and the pharmacist’s role in treating patients with substance use disorders.”*

**Elaine Law, PharmD, BCPS, FCSHP**

**May C. Lui ’16, ’19, PharmD, MS, BCPS**

*Assistant Professor, Director of the Pre-Pharmacy Advantage Program*

Dr. Lui, **Marcus C. Ravnar ’94**, PharmD, FCSHP, FASHP, professor of pharmacy practice and associate dean for student affairs, presented “Acute and Long-term Cardiac Complications of COVID-19” at the California Society of Health-System Pharmacists (CSHP) Seminar, Nov. 2-6, 2021 in Anaheim.

Dr. Lui, **Stephanie Y. Manley**, PharmD, assistant clinical professor of pharmacy practice, Dr. Guerrero, **Cynthia Lee ’19**, PharmD, MS, BCPS, assistant clinical professor of pharmacy practice, Dr. Boyce, **Allen Shek**, PharmD, professor of pharmacy practice and associate dean of professional programs, presented “Delivering a case-based problem-solving course during COVID-19: lessons learned and future strategies” at the 2021 AACP Annual Meeting.

**Amber Miller, PharmD, BCPS, BCCCP**

*Assistant Clinical Professor, Regional Coordinator - LA/San Fernando Valley*

Dr. Miller et al. presented “Providing a Super Powered APPE Experience at a Non-Academic Community Hospital” at the 2021 CSHP Seminar.

**Martha Ndung’u, PharmD**

*Assistant Clinical Professor*

Dr. Ndung’u presented “The ‘Pan’ in Pandemic: A Global View on COVID-19” and “Beyond the Application: How to Choose the Right Residency for You” at the 2021 CSHP Seminar.

Dr. Ndung’u et al. presented “J.E.D.I 101: A Primer on Justice, Equity, Diversity, and Inclusion” at the 2021 CSHP Seminar.

**Rajul Arvind Patel ’01, ’06, PharmD, PhD**

*Professor, Director of Patient Care Clinics*

Dr. Patel and Dr. Halliwell presented the workshops “Opioid Overdose and Naloxone Training” and “Signs and Symptoms of Depression: Tips and Treatments to Reduce the Risk” at Haven of Peace, Oct. 16, 2021 in French Camp.

Dr. Patel, **Chris Lair ’22**, PharmD, **Xuan Do Huynh ’22**, PharmD, **Cristella Ho ’22**, PharmD, Dr. Ranson, Dr. Lui, Dr. Sharma, **Edward L. Rogan**, PharmD, BCACP, FCPhA, associate professor of pharmacy practice, and **Rajkumar Sevak**, PhD, RPh, assistant professor of pharmacy practice, presented “Zooming in: Students’ perceptions of telehealth services before and after educational training and community service” at the 2021 AACP Annual Meeting.

**Rajkumar Sevak, PhD, RPh**

*Assistant Professor*

Dr. Sevak presented “Effects of gabapentinoid treatment on postoperative pain perception and opioid usage in patients that underwent a spinal surgery” at the Nirma Institute of Pharmacy International Conference, jointly organized with the Indian Pharmacological Society, held virtually Feb. 17-19, 2022.

**Xuan Do Huynh '22**, PharmD, **Cristella Ho '22**, PharmD, **Chris Lair '22**, PharmD, **Harriet Do '22**, PharmD, Dr. Sharma, Dr. Ranson, Dr. Lui, Dr. Rogan, Dr. Patel and Dr. Sevak presented "A qualitative analysis of pharmacy students' perspectives on their participation in providing telehealth services" at the CSHP Seminar, Nov. 2-6, 2021 in Anaheim.

Dr. Sevak, **Yong S.K. Moon**, PharmD, associate professor of pharmacy practice and regional coordinator for LA/Long Beach, et al. presented "Predictors of Patients' Hospitalization with Coronavirus Disease 2019 (COVID-19) at a Veterans Affairs Medical Center" at Infectious Diseases Week, held virtually Sept. 29-Oct. 3, 2021.

**Simran Randhawa '21**, PharmD, **Anh B. Nguyen '21**, PharmD, **Kate M. O'Dell**, PharmD, BCPS, professor pharmacy practice, and Dr. Sevak presented "A mixed-methods analysis of pharmacy students' reasons for the pursuit and attainment of postgraduate fellowship positions" at the American Society of Health-System Pharmacists (ASHP) Clinical Meeting & Exhibition, held virtually Dec. 6-10, 2020.

Dr. Sevak et al. presented the poster "Effects of early versus delayed advancement of parenteral nutrition rate on electrolytes imbalances and refeeding syndrome" at the American College of Clinical Pharmacy (ACCP) Annual Meeting, held virtually, Oct. 19-30, 2020.

#### **Sachin A. Shah, PharmD, FACC, FAHA**

*Professor, Regional Coordinator, Director of Pharmacy Research and Education - Travis Air Force Base*

**Kimmy Dovan '22**, PharmD, **Derek Cheung '22**, PharmD, **Marika Gonzales '22**, PharmD, Dr. Shah and **Kevin Pham '20, '22**, PharmD presented "Effect of Kombucha on Glucose Levels" at the ASHP Midyear Clinical Meeting, held virtually Dec. 5-9, 2021.

**Sandy Li '22**, PharmD, **Rachel Torres '22**, PharmD, Dr. Shah and Dr. Pham presented "Effects of Enhanced External Counter Pulsation (EECP) on Brain Fog Secondary to Long COVID" at the 2021 ASHP Midyear Clinical Meeting.

**Ricky Philipossian '22**, PharmD, Dr. Shah and Dr. Pham presented "Effect of Different Energy Drink Brands on Glucose Induced Energy Crash" at the 2021 ASHP Midyear Clinical Meeting.

#### **Nareeta Sharma '18, '21, PharmD, MS**

*Assistant Clinical Professor, Program Manager - Diabetes Care Clinics*

Dr. Sharma presented "Exploring the Relationship Between Grit, Work Engagement, and Career Success Among U.S. Pharmacists" at the AACP Virtual Pharmacy Education Annual Meeting, July 19-22, 2021.

#### **Deepti Vyas, PharmD**

*Professor, Director of Interprofessional Education and Instructional Design*

Dr. Vyas, **Navjot Kaur '24**, **Veronica T. Bandy '00, '08**, PharmD, MS, FCPA, FCSHP, BCACP, clinical professor of pharmacy practice and regional coordinator for Sacramento, and Tracey DelNero, MSPAS, PA-C, DFAAPA, associate professor and associate program director for physician assistant studies, presented "Impact of Just-in-Time TeamSTEPPS® Training on Team Performance in a Pediatric Escape Room Simulation" at the ACCP Virtual Poster Symposium, May 24-25, 2022.

Dr. Vyas, **Johnson Duong '22**, PharmD and **Raneeta Sharma '22**, PharmD presented "Research 4 Success: Tips and Tricks" at the 2021 CSHP Seminar.

Dr. Vyas, **Marika Gonzales '22**, PharmD, Dr. Sharma, Dr. Duong, **Reema Chandra '21**, PharmD and **Suzanne Galal**, PharmD, professor of pharmacy practice, et al. presented the poster "Visual Thinking Strategies in an Interprofessional Education Module Focused on the Management of Psychiatric Disorders" at the 2021 CSHP Seminar.

#### **Clifford A. Young, RPh, CGP**

*Associate Clinical Professor of Pharmacy Practice, Regional Coordinator - Fresno*

Young presented "Civilian Casualty Care" at the California Pharmacists Association Western Pharmacy Exchange, April 22-24, 2022 in Las Vegas.

## Physiology and Pharmacology

#### **Robert F. Halliwell, PhD**

*Professor*

Dr. Halliwell presented "Development of Human Stem Cell-Derived Neurons in 3D Cell Culture" at University of the Pacific Arthur A. Dugoni School of Dentistry, April 22, 2022 in San Francisco.

Dr. Halliwell presented "How to Keep a Healthy Brain Without Really Trying" at Bethany Home, March 30, 2022 in Ripon.

Dr. Halliwell and **Hamed Salmanzadeh-Dozdabi '23** presented "Electrophysiological Properties of Human Stem Cell-derived Neurons in Long-term Cell Culture: A Model for Antiseizure Drug Discovery?" at the Society for Neuroscience's Neuroscience 2021, held virtually Nov. 8-11, 2021.

Dr. Halliwell, **Sally Tran '23** and **Noah Jacala '23** offered the workshop "Insomnia and Brain Health" for Peer Recovery Services, Wellness Center of San Joaquin County, Nov. 11, 2021 in Stockton.

Dr. Halliwell presented "How to Keep a Healthy Brain During and After a Pandemic" at Stoneridge Creek Senior Living, Oct. 22, 2021 in Pleasanton.

## PUBLICATIONS

## Pharmaceutics and Medicinal Chemistry

**Mamoun M. Alhamadsheh, PhD**

*Professor*

**Md Tariqul Haque Tuhin '22**, PhD, **Dengpan Liang '22**, PhD, **Fang Liu '21**, PhD, **Hala Aldawod '23**, **Toufiq Ul Amin '23**, **Joshua S. Ho '21**, '25, **Rasha Emara '24**, **Arjun D. Patel '21**, PhD, **Melanie A. Felmlee**, PhD, associate professor of pharmaceutics and medicinal chemistry, Dr. Park, **James A. Uchizono**, PharmD, PhD, professor of pharmaceutics and medicinal chemistry, and Dr. Alhamadsheh published "Peripherally restricted transthyretin-based delivery system for probes and therapeutics avoiding opioid-related side effects" in *Nature Communications*, June 23, 2022.

**Xin Guo, PhD**

*Professor*

**Ruiqi Huang '20**, **Vijay Gyanani '13**, PhD, **Shen Zhao '18**, PhD, **Yifan Lu '19**, PhD and Dr. Guo published "Imidazole-Based pH-Sensitive Convertible Liposomes for Anticancer Drug Delivery" in *Pharmaceutics* 2022, March 3, 2022.

**Bhaskara R. Jasti '95, MPharm, PhD**

*Professor, Associate Dean of Graduate Education and Research*

*Executive Director, Jie Du Center for Innovation and Excellence for Drug Development*

Dr. Jasti, **Sridiyya Raparla '23** and **Xiaoling Li**, PhD, professor of pharmaceutics and medicinal chemistry, et al. published "Can Structural Differences between SARS-CoV and SARS-CoV-2 explain Differences in Drug Efficacy?" in *Current Trends in Biotechnology and Pharmacy*, July 2021.

Dr. Jasti, **Qing Zhang '25** and Dr. Li published "Role of Physicochemical Properties of some grades of hydroxypropyl methylcellulose on in vitro mucoadhesion" in *International Journal of Pharmaceutics*, Oct. 23, 2021.

**Xiaoling Li, PhD**

*Professor*

**Qing Zhang '25**, Dr. Li and Dr. Jasti published "Role of physicochemical properties of some grades of hydroxypropyl methylcellulose on in vitro mucoadhesion" in *International Journal of Pharmaceutics*, Nov. 20, 2021.

**Miki Susanto Park, PhD**

*Professor*

**Jin Dong '16**, PhD and Dr. Park published "A myth of the well-stirred model: Is the well-stirred model good for high clearance drugs?" in *European Journal of Pharmaceutical Sciences*, May 1, 2022.



**Bhaskara R. Jasti '95, MPharm, PhD**, FAAPS was named 2021 chair-elect of the Pharmaceutics section of the American Association of Colleges of Pharmacy. He was installed in July 2022.

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“Being nominated and elected by my peers in the section is an exceptional honor and humbling experience.

There are several initiatives that are strategically proposed, the most important being the integration of pharmacy practice principles in the pharmaceutics courses that will enhance the curricular training of pharmacy students. I look forward to the challenges and the achievements of the section in the next three years.”

**Bhaskara R. Jasti '95, MPharm, PhD**



## Pharmacy Practice

**Adam M. Kaye '95, PharmD, FASCP, FCPHA**

*Clinical Professor, Coordinator Community I, Introductory Pharmacy Practice Experience Program*

Dr. A.M. Kaye and **Jessica S. Kaye '22**, PharmD et al. published "Transcranial Magnetic Stimulation for Post-traumatic Stress Disorder" in *Frontiers in Psychiatry*, May 31, 2022.

Dr. A.M. Kaye et al. published "Alternative Options for Complex, Recurrent Pain States Using Cannabinoids, Psilocybin, and Ketamine: A Narrative Review of Clinical Evidence" in *Neurology International*, May 18, 2022.

Dr. A.M. Kaye et al. published "Addiction and COVID: Issues, Challenges, and New Telehealth Approaches" in *Psychiatry International*, May 13, 2022.

Dr. A.M. Kaye et al. published "Neurological and Psychiatric Symptoms of COVID-19: A Narrative Review" in *Psychiatry International*, May 7, 2022.

Dr. A.M. Kaye et al. published "The Possible Application of Ketamine in the Treatment of Depression in Alzheimer's Disease" in *Neurology International*, March 22, 2022.

Dr. A.M. Kaye et al. published "Antipsychotic Polypharmacy-Related Cardiovascular Morbidity and Mortality: A Comprehensive Review" in *Neurology International*, March 17, 2022.

Dr. A.M. Kaye et al. published "Aducanumab, a Novel Anti-Amyloid Monoclonal Antibody, for the Treatment of Alzheimer's Disease: A Comprehensive Review" in *Health Psychology Research*, Jan. 30, 2022.

Dr. A.M. Kaye et al. published "Oxytocin, a Novel Treatment for Methamphetamine Use Disorder" in *Neurology International*, Jan. 30, 2022.

Dr. A.M. Kaye et al. published "Bremelanotide for Treatment of Female Hypoactive Sexual Desire" in *Neurology International*, Jan. 4, 2022.

Dr. A.M. Kaye et al. published "Antipsychotic Use in Pregnancy: Patient Mental Health Challenges, Teratogenicity, Pregnancy Complications, and Postnatal Risks" in *Neurology International*, Jan. 3, 2022.

Dr. A.M. Kaye et al. published "Naltrexone Implant for Opioid Use Disorder" in *Neurology International*, Dec. 30, 2021.

Dr. A.M. Kaye et al. published "Sexual Dysfunction in Schizophrenia: A Narrative Review of the Mechanisms and Clinical Considerations" in *Psychiatry International*, Dec. 22, 2021.

Dr. A.M. Kaye et al. published "Attention Deficit Hyperactivity Disorder and Bipolar Disorder: Diagnosis, Treatments, and Clinical Considerations: A Narrative Review" in *Psychiatry International*, Dec. 21, 2021.

Dr. A.M. Kaye and **Jessica S. Kaye '22**, PharmD et al. published "Opicapone for the Treatment of Parkinson's Disease 'Off' Episodes: Pharmacology and Clinical Considerations" in *Clinical Drug Investigation*, Dec. 21, 2021.

Dr. A.M. Kaye et al. published "Viloxazine in the Treatment of Attention Deficit Hyperactivity Disorder" in *Frontiers in Psychiatry*, Dec. 17, 2021.

Dr. A.M. Kaye et al. published "Conolidine: A Novel Plant Extract for Chronic Pain" in *Anesthesiology and Pain Medicine*, Dec. 8, 2021.

Dr. A.M. Kaye et al. published "Benzodiazepines: Uses, Dangers, and Clinical Considerations" in *Neurology International*, Nov. 10, 2021.

Dr. A.M. Kaye et al. published "Catatonia: Clinical Overview of the Diagnosis, Treatment, and Clinical Challenges" in *Neurology International*, Nov. 8, 2021.

Dr. A.M. Kaye et al. published "Pharmacologic and Clinical Considerations of Nalmefene, a Long Duration Opioid Antagonist, in Opioid Overdose" in *Psychiatry International*, Oct. 14, 2021.

Dr. A.M. Kaye et al. published "Paliperidone 3-month Injection for Treatment of Schizophrenia: A Narrative Review" in *Frontiers in Psychiatry*, Sept. 21, 2021.

Dr. A.M. Kaye et al. published "Brexanolone, a GABAA Modulator, in the Treatment of Postpartum Depression in Adults: A Comprehensive Review" in *Frontiers in Psychiatry*, Sept. 14, 2021.

Dr. A.M. Kaye et al. published "Full Opioid Agonists and Tramadol: Pharmacological and Clinical Considerations" in *Anesthesiology and Pain Medicine*, Sept. 6, 2021.

Dr. A.M. Kaye et al. published "Pharmacological Advances in Opioid Therapy: A Review of the Role of Oliceridine in Pain Management" in *Pain and Therapy*, Sept. 4, 2021.

Dr. A.M. Kaye et al. published "Selective Serotonin Reuptake Inhibitors and Clozapine: Clinically Relevant Interactions and Considerations" in *Neurology International*, Sept. 1, 2021.

Dr. A.M. Kaye et al. published "Clozapine and Constipation: A Review of Clinical Considerations and Treatment Options" in *Psychiatry International*, Sept. 1, 2021.

Dr. A.M. Kaye et al. published "Public Health Update: New Resources to Combat Opioid Overdoses in San Joaquin County" in *San Joaquin Physician*, September 2021.

Dr. A.M. Kaye et al. published "Novel Regional Nerve Blocks in Clinical Practice: Evolving Techniques for Pain Management" and "Evolving Techniques for Pain Management" in *Anesthesia and Pain Medicine*, Aug. 29, 2021.

Dr. A.M. Kaye et al. published "Selective Serotonin Reuptake Inhibitors and Adverse Effects: A Narrative Review" in *Neurology International*, Aug. 5, 2021.

Dr. A.M. Kaye et al. published "Paliperidone to Treat Psychotic Disorders" in *Neurology International*, July 28, 2021.

Dr. A.M. Kaye et al. published "Risdiplam for the Use of Spinal Muscular Atrophy" in *Orthopedic Reviews*, July 11, 2021.

Dr. A.M. Kaye et al. published "Adjuvant Drugs for Peripheral Nerve Blocks: The Role of NMDA Antagonists, Neostigmine, Epinephrine, and Sodium Bicarbonate" in *Anesthesia and Pain Medicine*, July 5, 2021.

Dr. A.M. Kaye et al. published "Adjuvant Drugs for Peripheral Nerve Blocks: The Role of Alpha-2 Agonists, Dexamethasone, Midazolam, and Non-steroidal Anti-inflammatory Drugs" in *Anesthesiology and Pain Medicine*, July 4, 2021.

Dr. A.M. Kaye et al. published "Aripiprazole Lauroxil, a Novel Injectable Long-Acting Antipsychotic Treatment for Adults with Schizophrenia: A Comprehensive Review" in *Neurology International*, July 1, 2021.

#### **Caroline L. Ko, PharmD, BCPS, BCCCP**

*Associate Clinical Professor*

Dr. Ko et al. published "A call to action: A need for initiatives that increase equitable access to COVID-19 therapeutics" in *Lancet Regional Health - Americas*, May 18, 2022.

Dr. Ko et al. published "Brighter Horizons: The Necessity of Concentrated Sponsorship Targeted Toward Minoritized Pharmacy Students" in *Journal of the American Pharmacists Association*, March 9, 2022.

#### **Rajkumar Sevak, PhD, RPh**

*Assistant Professor*

Dr. Sevak et al. published "Evaluation of smartphone usage as a predictor of social jetlag in university students" in *Annals of Indian Psychiatry*, May 31, 2022.

Dr. Sevak et al. published "Immune-related adverse events from immune checkpoint inhibitors: a retrospective analysis in a single-center veteran population" in *Journal of Hematology Oncology Pharmacy*, June 2021.

Dr. Sevak et al. published "Effects of gabapentin on postoperative pain and opioid consumption in patients who underwent lumbar laminectomy" in *Journal of the American Pharmacists Association*, May 5, 2021.

#### **Sachin A. Shah, PharmD, FACC, FAHA**

*Professor, Regional Coordinator, Director of Pharmacy Research and Education - Travis Air Force Base*

Dr. Shah et al. published "Enhanced external counterpulsation for management of symptoms associated with long COVID" in *American Heart Journal Plus: Cardiology Research and Practice*, January 2022.

#### **Kristapor Thomassian '96, PharmD, BCPS**

*Assistant Clinical Professor, Regional Coordinator - Chico*

Dr. Thomassian et al. published "A Step by Step Approach for Implementing Collaborative Drug Therapy Management for the Acute Care Clinical Pharmacist" in *ACCP Critical Care PRN Fall Newsletter* 2021.

#### **Deepti Vyas, PharmD**

*Professor, Director of Interprofessional Education and Instructional Design*

Dr. Vyas co-wrote Chapter 12, "Clinical Skills Development in the Virtual Learning Environment: Adapting to a New World," in "Handbook of Research on Updating and Innovating Health Professions Education: Post-Pandemic Perspectives," October 2021.

## Physiology and Pharmacology

#### **Robert F. Halliwell, PhD**

*Professor*

Dr. Halliwell, **Hamed Salmanzadeh-Dozdabi '23** and **William S. Cao '15**, PhD et al. published "An Electrophysiological and Pharmacological Study of the Properties of Human iPSC-Derived Neurons for Drug Discovery" in *Cells*, July 31, 2021.

#### **Roshanak Rahimian, PharmD, MSc, PhD**

*Professor, Department Chair*

**Md Rahatullah Razan '22**, PhD, **Farjana Akther '19**, PhD, **Rifat A. Islam '24** and Dr. Rahimian et al. published "17 $\beta$ -Estradiol Treatment Improves Acetylcholine-Induced Relaxation of Mesenteric Arteries in Ovariectomized UC Davis Type 2 Diabetes Mellitus Rats in Prediabetic State" in *Frontiers in Physiology*, June 17, 2022.

**Rifat A. Islam '24** and Dr. Rahimian et al. published "Sex-Specific Impacts of Exercise on Cardiovascular Remodeling" in *Journal of Clinical Medicine*, Aug. 26, 2021.

Dr. Rahimian, Dr. Akther, Dr. Razan and **Sonali Shaligram '17**, PhD et al. published "Potentiation of Acetylcholine-Induced Relaxation of Aorta in Male UC Davis Type 2 Diabetes Mellitus (UCD-T2DM) Rats: Sex-Specific Responses" in *Frontiers in Physiology*, July 22, 2021.

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