

**VA San Diego Healthcare System**

**Pharmacy Residency  
Postgraduate Year Two  
(PGY2) Programs  
&  
Fellowship Programs**



**Pharmacy Service (119)**

3350 La Jolla Village Drive  
San Diego, CA 92161  
(858) 642-3026 or (858) 642-3497  
(858) 552-7582 (FAX)

# Pharmacy Residency PGY2 and Fellowship Programs

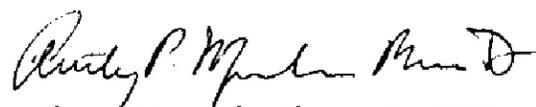
Thank you for inquiring about the VA San Diego Healthcare System Pharmacy PGY2 Residency and Fellowship Programs. We are pleased you are considering our program(s) for your professional future! This booklet provides valuable information about our facility, teaching programs, preceptor faculty, clinical practice experiences and residency programs.

- PGY2 Ambulatory Care (established 1994, ASHP-accredited in 1995)
- PGY2 Critical Care (new, pending ASHP accreditation)
- PGY2 Infectious Diseases Pharmacy (established 2007, pending ASHP accreditation)
- PGY2 Managed Care Pharmacy Systems (established 1999, ASHP/AMCP-accredited 2005)
- PGY2 Oncology Pharmacy (established 2006, pending ASHP accreditation)
- PGY2 Pharmacy Information Technology and Data Management (established 2006, pending ASHP accreditation)
- PGY2 Pharmacy Administration & Leadership (new, pending ASHP accreditation)
- PGY2 Psychiatric Pharmacy (established 2007, pending ASHP accreditation)
- Fellowship in Geriatric Mental Health (funded by National Institute of Mental Health)

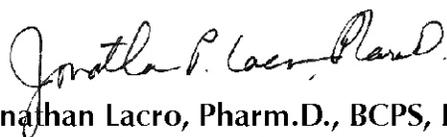
We pride ourselves in providing a unique and innovative pharmaceutical care program in which all our pharmacists participate. Patients are our primary customers and we strive to establish a good pharmacist-patient relationship with them. You will find all our pharmacists and technical staff committed to providing good customer service for our veteran patients.

For the resident, we offer an opportunity to participate in an active pharmacy practice in a number of clinical settings, including our expansive ambulatory care clinics. Our medical teaching environment allows residents to develop strong teaching skills. Our capable research staff is an excellent resource for assisting the resident in developing a solid foundation in research design and analysis. Most of all, members of our staff are committed to supporting the residency program and assisting residents throughout the residency year. It is a year for tremendous learning.

We hope you will decide to join us for your residency or fellowship year at the VA San Diego Healthcare System. We look forward to receiving your application!



**Anthony Morreale, Pharm.D., BCPS**  
Chief, Pharmacy Services



**Jonathan Lacro, Pharm.D., BCPS, BCPP**  
Director, Pharmacy Education and Training



# Residency Requirements and Application Process

## ALL APPLICANTS

- Must have U.S. Citizenship. Naturalized citizens must provide proof of naturalization
- Must have a Doctor of Pharmacy degree from an accredited School of Pharmacy
- Must have transcripts from all Schools of Pharmacy attended sent directly from the School
- Must include a one-page personal statement
- Must have three letters of recommendation sent directly to the institution (electronic mailing and/or FAX acceptable). Letters may be in free-text format or the ASHP Resident Applicant Recommendation Request Form which can be found at:  
[www.ashp.org/rtp/Word/Resident%20Recommendation%20Form.doc](http://www.ashp.org/rtp/Word/Resident%20Recommendation%20Form.doc).
- Must send completed Optional Application for Federal Employment (OF 612) and Declaration of Federal Employment (OF 306) access at:  
[www.san-diego.med.va.gov/Education/trainee/registration.htm](http://www.san-diego.med.va.gov/Education/trainee/registration.htm)
- Must send copy of Curriculum Vitae
- Must participate in a personal Interview (to be arranged)
- **PGY2** applicants must have successfully completed or are in process of successfully completing a PGY1 residency program or have equivalent experience. VA experience (rotational or residency) preferred.
- All applicants, with the exception of “**early commitment**” PGY1 applicants, must be registered with the ASHP Residency Matching Program
- “Early Commitment” PGY1 applicants for offered PGY2 programs do not need to be registered with the ASHP National Resident Matching Program. Upon acceptance to the PGY2 residency program, the applicant and Program needs to sign an Early Commitment Letter of Agreement for submission to the Match by December 21, 2007.

### **Forward applications to:**

VA San Diego Healthcare System  
Pharmacy Service (119)  
3350 La Jolla Village Drive  
San Diego, CA 92161

ATTENTION: Specific Residency Program Directors

### **For general information, contact:**

Jonathan P. Lacro, Pharm.D.  
Director, Pharmacy Education and Training  
(858) 642-3497  
[jonathan.lacro@va.gov](mailto:jonathan.lacro@va.gov)

# General PGY2 Residency Information

## Pay and Benefits

**Period of Appointment:** 12 months, from July 1 through June 30

**Estimated Stipend:** \$43,500 (PGY2)

An additional ~\$2500 - \$5000 may be earned via a dual appointment for residents who choose to work additional hours outside of the residency schedule.

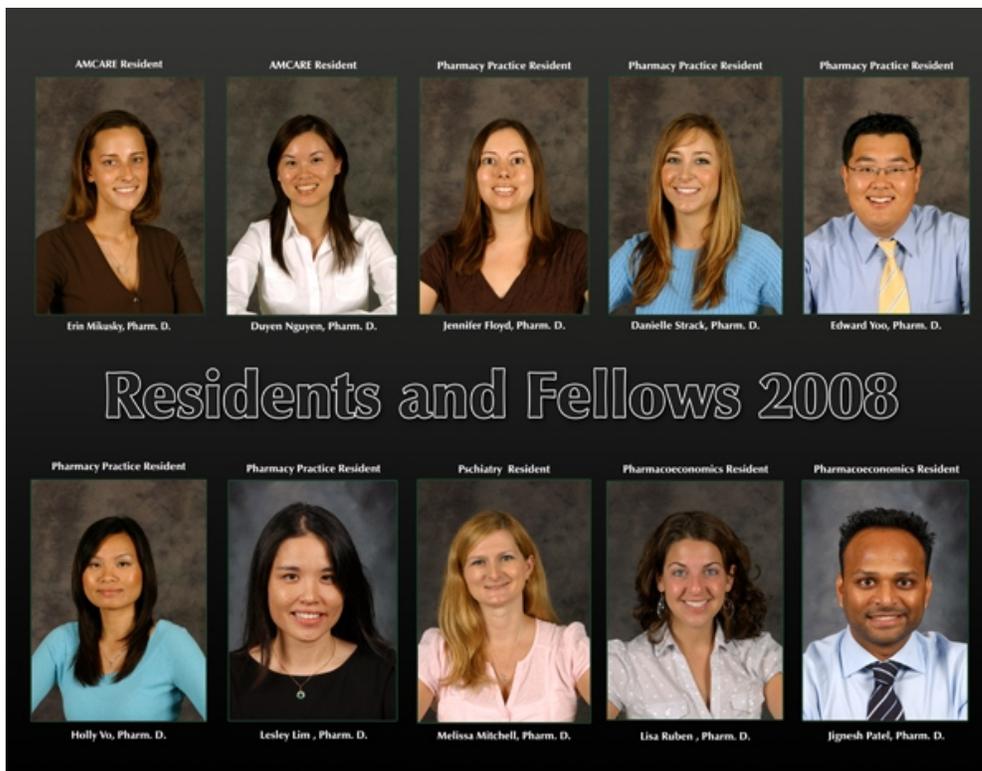
**Benefits:** Approximately 13 days Annual Leave (“vacation”) and 13 days of Sick Leave, 11 federal holidays and Authorized Absence (leave with pay) to attend selected professional meetings. Health Life and Healthcare insurance is included. Office with up-to-date computer systems, labcoats and labcoat laundry service, and free parking provided.

**Annual Leave (vacation)** is earned at the rate of 4 hours every two weeks and can be used for rest and relaxation as well as time off for personal business and emergency purposes.

**Sick Leave** is earned at the rate of 4 hours every two weeks and can be used for illness and injury as well as medical, dental, optical, and other medically-related appointments or procedures.

## Licensure

Professional pharmacist licensure from any state is required upon entry into the program.



# Unique Opportunities for Residents

## **VA Stand Down**

Pharmacy Residents participate in the VA Stand Down program each year. Operation Stand Down is a program to assist homeless veterans. During this event, up to 700 veterans get the help they need to get back into mainstream society. This is all done over a weekend!

## **Pharmacy Student Teaching Program**

Pharmacy Residents participate in our teaching program as preceptors for pharmacy students from the University of the Pacific (UOP), University of Southern California (USC), and University of California San Diego (UCSD) Schools of Pharmacy. In addition to providing one-on-one preceptorship for students during most rotations, pharmacy residents participate in subject reviews, clinical case presentations, and as moderators for their weekly presentations.

## **Ambulatory Care Clinics**

Pharmacy Residents participate in a wide selection of multidisciplinary and pharmacist-run ambulatory care clinics, including General Medicine ('FIRM'), Anticoagulation, Diabetes, Lipid, Dermatology, Dialysis, Medication Management (Compliance), Psychiatry, Neurology, and Renal. Secondary clinics include Arthritis, Cardiology, Cardiomyopathy, Endocrine, GI, Neurology, Oncology, Hepatitis C, Ophthalmology, New Start Opioid Clinic, Pulmonary, Special ID, and Urology. Residents can participate in clinics at the VA Medical Center and the Mission Valley Outpatient facility.

## **Skill Development Series**

All pharmacy residents have the opportunity to participate in a Skill Development Series. The Skill Development Series includes regularly scheduled discussion of research-related topics such as study methodology, biostatistics, literature evaluation, individual residency research projects and other contemporary topics relevant to health care professionals.

# San Diego Area

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## Highlights of "America's Finest City"

- Beautiful weather year round with an average daily temperature of 70.5° (21.4 degrees Celsius). A marked feature of the climate is the wide variation in temperature within short distances due to the topography of the land. You can enjoy coastal, mountain and desert environments all in the space of one day.
- Popular attractions include the world famous San Diego Zoo, Wild Animal Park, Sea World San Diego, LEGOLAND San Diego and Balboa Park.
- Offers 70 miles of pristine beaches, 92 golf courses, 171 parks and endless opportunities to hike, camp, fish, observe wildlife and much more.

## Helpful Internet Links

- Tourists guide: <http://www.sandiego.org/nav/Visitors>
- Major Local Newspaper (Union-Tribune): <http://www.signonsandiego.com/>
- Rental Guide: <http://sdhomesearch.signonsandiego.com/Rentals/SearchIndex.asp>
- Local Ground Transportation: <http://www.sandiegotaxicab.com/> or <http://www.cloud9shuttle.com/> or <http://www.sdcommute.com/>

## The VA San Diego Healthcare System

The VA San Diego Healthcare System (VASDHS) provides high quality healthcare with advanced technologies and a commitment to friendly, compassionate service to more than 280,000 veterans in the San Diego and Imperial Valley counties. VASDHS offers a wide range of inpatient and outpatient health services at the medical center in La Jolla and at the five community clinics located in Chula Vista, Escondido, Imperial Valley, Mission Valley and Vista. We provide medical, surgical, mental health, geriatric, spinal cord injury, and advanced rehabilitation services. With an operating budget over \$300 million, VASDHS has 238 hospital beds, including skilled nursing beds and operates several regional referral programs including cardiovascular surgery, and spinal cord injury.

The operational capacity of the tertiary care medical center in La Jolla is 172 acute hospital beds, 40 extended care beds and 26 spinal cord injury beds. In FY 2006 we had over 560,000 outpatient visits. For our 7,003 hospital admissions in FY 2006, the average length of stay was 8 days for acute care and 20 days for extended care. Over 4,300 surgeries were performed in FY 2006 with over 1,800 performed in the inpatient setting and 2,500 in the outpatient setting.

We are affiliated with the University of California, San Diego School of Medicine and provide training for 780 medical interns, residents and fellows, as well as 64 other teaching affiliations for nursing, pharmacy, dental, and dietetics. VASDHS has one of the largest research programs in the VA nationally with a budget of almost \$66 million (FY 2006), 239 principal investigators and more than 1000 projects. VASDHS is also home to several specialty research programs including Health Sciences Research & Development (HSR&D), Mental Illness Rehabilitation, Education, and Clinical Centers (MIRECC), the Research Center for AIDS and HIV, and the San Diego Center for Patient Safety.

VASDHS was recognized as one of "San Diego's Best Workplaces for 2006," by Employers Group and San Diego Magazine. VASDHS ranks tops among Veterans Health Administration's leaders in patient satisfaction. In the national surveys of the Health Experiences of Patients, our patients continued to rate their Overall Quality of Care as exceptional.

# Pharmacy Service

The Pharmacy Service at the Medical Center is open 24 hours a day, seven days a week. The Service promotes active participation in daily pharmaceutical care activities to ensure quality patient care. These services include participation of pharmacists and residents in the following activities:

- 1) Identifying, resolving and preventing drug related problems
- 2) Identifying goals of therapy, monitoring parameters and desired outcomes
- 3) Educating the patient regarding their medication regimen
- 4) Assuring continuity of care between inpatient and outpatient settings

**The Clinical Pharmacist Specialists** are an integral part of providing continuity of care. The clinical pharmacist specialists monitor patients on an inpatient, as well as, ambulatory care basis. Primary care is provided by the clinical pharmacist specialists in the following areas: Alzheimer's disease, anticoagulation, dialysis, geriatrics, infectious disease, nephrology, oncology, and psychiatry.

**The Inpatient Clinical Pharmacist** provides care to patients on the Medical and Surgical Units, Intensive Care and Step-Down Units, Operating and Recovery Rooms, Ambulatory Surgery, Spinal Cord Injury, Extended Care Unit, and Psychiatry. Responsibilities include interviewing all patients admitted to the hospital and documenting an initial assessment note in the patient's medical record, providing discharge medication counseling, participating in physician rounds, providing recommendations for drug selection and dosing, providing consultations on pain management, patient-controlled analgesia, total parenteral nutrition, and pharmacokinetic dosing, as well as assist in Code Blue Emergencies.

**The Ambulatory Care Pharmacy** at the VASDHS and our Community Based Outpatient Clinics (CBOC) provide a full range of pharmaceutical care services to the veteran patient including specialized care for ostomy and spinal cord injury patients. **Ambulatory Care Clinical Pharmacists** are an integral part of many outpatient clinics including Cardiology, Cardiomyopathy, Dermatology, Diabetes, Gastroenterology, General Medicine, Hepatitis C, Home-Based Primary Care, Medication Management, Neurology, Ophthalmology, Psychiatry, Pulmonary, Rheumatology, Smoking cessation, and Urology. Clinical pharmacists also have a role as primary care providers in the areas of anticoagulation, dermatology, diabetes, hyperlipidemia, hypertension, pain management, and primary care. Responsibilities include assessing patient compliance through refill history review, evaluating medication regimens for appropriateness, counseling patients about their medications, consulting with physicians on drug therapy, physician order entry verification, drug distribution, supervising pharmacy technicians, and participating in process improvement projects.

We have a decentralized unit-dose service with Barcode Medication Administration (BCMA), IV Additive Service, Automated Dispensing Systems, Physician Order Entry, Computerized Patient Record System (CPRS), Automated Prescription Filling (ScriptPro), and Anesthesia Documentation System (DocuSys).

## Teaching Program

The Pharmacy Service is fully committed to pharmacy education and training, maintaining active academic relationships with three Schools of Pharmacy. Senior clinical clerkships are provided to approximately 25-30 students from the University of the Pacific, University of Southern California, and University of California San Diego Schools of Pharmacy. The resident acts as a preceptor to these students and provides formal and informal teaching. All pharmacists participate in the education of pharmacy technicians, pharmacy students, and pharmacy residents.

## Pharmacy Services Clinical Faculty

### Administration

Chief, Pharmacy Service	Anthony Morreale, Pharm.D., MBA, BCPS
Associate Chief, Pharmacy Service	Brian Plowman, Pharm.D., MBA, BCPS
Director, Pharmacoeconomics	Melissa L.D. Christopher, Pharm.D.
Director, Pharmacy Data Applications	Daniel Boggie, Pharm.D.
Director, Pharmacy PI//QA/DUE	Kim Quicci-Roberts, M.S.
Director, Pharmacy Integrated Technology	Jennifer Howard, Pharm.D.
Director, Pharmacy Education & Training	Jonathan P. Lacro, Pharm.D., BCPS, BCPP

### Residency Program Directors

PGY1 Pharmacy Practice	Jonathan P. Lacro, Pharm.D., BCPS, BCPP
PGY1 Pharmacy Practice Ambulatory	Tung Le, Pharm.D.
PGY2 Ambulatory Care	Tung Le, Pharm.D.
PGY2 Critical Care	Maria Stubbs, B.S., BCPS
PGY2 Infectious Diseases Pharmacy	Scott T. Johns, Pharm.D., BCPS
PGY2 Managed Care Pharmacy Systems	Melissa L.D. Christopher, Pharm.D.
PGY2 Oncology Pharmacy PGY2	Brian Dahl, Pharm.D., BCOP
PGY2 Pharmacy Administration & Leadership	Anthony Morreale, Pharm.D., MBA, BCPS
PGY2 Pharmacy Information Technology & Data Management	Daniel Boggie, Pharm.D. Jennifer Howard, Pharm.D.
PGY2 Psychiatric Pharmacy	Jonathan P. Lacro, Pharm.D., BCPS, BCPP

# Pharmacy Services Clinical Faculty

## Clinical Pharmacy Specialists

Supv: Jonathan Lacro, Pharm.D., BCPS, BCPP

Joel Boerth, Pharm.D., BCPP, Psychiatry Clinical Pharmacist Specialist  
Tom Cookson, Pharm.D., Oncology Clinical Pharmacist Specialist  
Brian Dahl, Pharm.D., BCOP, Oncology Clinical Pharmacist Specialist  
Phil Dell, Pharm.D., Psychiatry Clinical Pharmacist Specialist  
Benjamin Dishman, Pharm.D., BCPP, Psychiatry Clinical Pharmacist Specialist  
Rene Endow, Pharm.D., BCPP, Psychiatry Clinical Pharmacist Specialist  
Muoi Gi, Pharm.D., BCPS, Oncology Clinical Pharmacist Specialist  
Scott Johns, Pharm.D., BCPS, Infectious Disease Clinical Pharmacist Specialist  
Jonathan Lacro, Pharm.D., BCPS, BCPP Psychiatry Clinical Pharmacist Specialist  
Susan Leckband, B.S., BCPP, Psychiatry Clinical Pharmacist Specialist  
Colin McGuire, Pharm.D., Pain Clinical Pharmacist Specialist  
Linh To. Pharm.D., Nephrology Clinical Pharmacist Specialist

## Ambulatory Care Clinical Pharmacist Specialists

Supv: Candace Eacker, Pharm.D. and Tung Le, Pharm.D.

Christina Chan, Pharm. D.	Daniel Montoya, Pharm.D.
Tim Chen, Pharm.D.	Edna Ng-Chen, Pharm.D.
Beth Dinges, Pharm.D.	Annette Nguyen, Pharm.D.
Michael Dunn, Pharm.D..	Canh Nguyen, Pharm.D.
Tina D'Ulisse, Pharm.D.	Khanh Nguyen, Pharm.D.
Melissa Egan, Pharm.D.	Stacey Nguyen, Pharm.D
Jessica Harris, Pharm.D.	Thanh (Nina) Nguyen, Pharm.D.
Yelena Itkin, Pharm.D	Ty Nguyen, Pharm.D.
Cassie (Soohyun) Lee, Pharm.D.	Joann Ong, Pharm.D..
Hyun (Helen) Lee, Pharm.D.	

## Medicine/Surgery Clinical Pharmacist Specialists

Supv: Victoria Aldridge, Pharm.D.

Lisa Arai, Pharm.D.	Tamara Ogg, B.S.
Mina Jam, Pharm.D.	Helen Park, Pharm.D.
Dave Lam. B.S.	Maria Stubbs, B.S., BCPS
Belinda Martinez, Pharm.D.	Caroline Sul, Pharm.D.
Ken McAndrews, Pharm.D.	Lisa Weyman, B.S.
Hala Mouwakeh, RPh, M.S.	Tanya Tran, Pharm.D.
Thi Nguyen, Pharm.D.	Larry Zelman, Pharm.D., CGP

## Pharmacoeconomics Clinical Pharmacist Specialists

Supv: Melissa L.D. Christopher, Pharm.D.

Mark Bounthavong, Pharm.D.  
Emerald Foster, Pharm.D., CGP, FASCP  
Margaret A. Stull, Pharm.D.

## PGY2 Ambulatory Care

**ASHP Code: 92364**

**NMS Code: 510565**

The 12-month ASHP-accredited PGY2 Ambulatory Care Residency offers an advanced learning experience with rotational experience in the ambulatory care setting. Residency selection for 1-2 residents is made through the ASHP Match Program. This residency program assumes that entering residents have achieved the outcomes required by the PGY1 ASHP Accreditation Standards. This program is designed to meet outcomes required by the PGY2 Ambulatory Care ASHP Accreditation Standard:

Outcome 1: Establish a collaborative interdisciplinary practice.

Outcome 2: Provide efficient, effective, evidence-based, patient-centered treatment for chronic and/or acute illnesses in all degrees of complexity.

Outcome 3: Demonstrate leadership and practice management skills.

Outcome 4: Promote health improvement, wellness, and disease prevention.

Outcome 5: Demonstrate excellence in provision of training or educational activities for health care professionals and trainees.

Outcome 6: Serve as the ultimate resource on optimal prescribing of medications.

Outcome E1: Demonstrate additional competencies that contribute to working successfully in the VA Healthcare System.

Residents completing the program will be competent and confident practitioners of pharmaceutical care in multiple healthcare environments. They will be accountable for achieving optimal drug therapy outcomes as members of the healthcare team. These pharmacists will exercise proficiency in communication and in educating other healthcare professionals, patients, and the community on drug related topics. They will acquire skills in program development, outcome-oriented research, pharmacoeconomics, and other marketable skills. Our medical teaching environment allows residents to develop strong teaching skills. Our capable research staff is an excellent resource for assisting the resident in developing a solid foundation in research design and analysis. Residents will demonstrate professional maturity by following a personal philosophy or practice, monitoring their own performance, and exhibiting commitment to the profession.

**Length of Program:** 12 Months

**Number of Positions:** 1-2

**Application Deadline:** February 1, 2008

**Starting Date:** July 1, 2008

### Rotations<sup>1</sup>

Admin	Amcare <sup>2</sup>	Amc Psych <sup>2</sup>	Electives
1 mo	7 mo <sup>3</sup>	1 mo	1 mo (3)

<sup>1</sup> 2-week orientation included; rotations are not assigned in the order listed

<sup>2</sup> Rotation includes staffing responsibilities

<sup>3</sup> Clinics must include Anticoagulation, Diabetes, FIRM Primary Care and Lipid

**Electives:** Clinics include Arthritis, Cardiology, Cardiomyopathy, Dermatology, Dialysis, Endocrine, GI, Hepatitis C, Medication Management, New Start Opioid, Neurology, Ophthalmology, Pulmonary, Renal, and Urology. Electives include Geriatrics (ECU), Dialysis, Oncology, Owen HIV Clinic (UCSD), Pediatrics (Navy), Pharmaceutical Industry (Ligand), Neonatal (Navy), Nuclear Pharmacy, Renal, Spinal Cord Injury.

## PGY2 Ambulatory Care cont.

**Staffing:** Residents will staff a total of 10 days per month in the Ambulatory Care General Medicine (“FIRM”) Clinics, Outpatient Pharmacy and in Psychiatry Clinics. Residents will also staff a total of 8 inpatient days (includes 2 weekend days) per month during selected “Acute Care” rotations (Geriatrics, ICU, Medicine, SCI).

**Facilities:** The resident office will be located at the VA Medical Center in La Jolla, California and most activities will be coordinated from this site.

**Ambulatory Care Clinical Pharmacist Specialists Supv: Candace Eacker, Pharm.D., Tung Le, Pharm.D.**

Christina Chan, Pharm. D.	Daniel Montoya, Pharm.D.
Tim Chen, Pharm.D.	Edna Ng-Chen, Pharm.D.
Beth Dinges, Pharm.D.	Annette Nguyen, Pharm.D.
Michael Dunn, Pharm.D.	Canh Nguyen, Pharm.D.
Melissa Egan, Pharm.D.	Khanh Nguyen, Pharm.D.
Yelena Itkin, Pharm.D.	Stacey Nguyen, Pharm.D.
Tina D'Ulisse, Pharm.D.	Thanh (Nina) Nguyen, Pharm.D.
Cassie (Soohyun) Lee, Pharm.D.	Ty Nguyen, Pharm.D.
Hyun (Helen) Lee, Pharm.D.	Joann Ong, Pharm.D.

**Forward questions and/or applications to:**

Tung Le, Pharm.D. ([Tung.le@va.gov](mailto:Tung.le@va.gov))  
Residency Program Director  
VA San Diego Healthcare System (119)  
3350 La Jolla Village Drive  
San Diego, CA 92161  
Voice: 858-552-8585, x2363 or x3026  
FAX: (858) 552-7582

# PGY2 Critical Care

**ASHP Code: 92367**

**NMS Code: 609052**

After completing the PGY2 Critical Care Residency, the resident will have the skills necessary to be a competent and confident practitioner of pharmaceutical care in the critical care setting. The resident will be involved in achieving optimal drug therapy outcomes and providing direct patient care as an active member of the critical care healthcare team specifically in pulmonary, cardiology, and surgical services. In addition, the resident will exercise proficiency in communication and in educating other healthcare professionals and those in training on critical care topics. Residents will demonstrate professional maturity by following a personal philosophy or practice, monitoring their own performance, and exhibiting commitment to the profession. Education will include formal and informal critical care training classes and hands-on application. The resident will also be required to design and conduct a research project suitable for presentation and/or publication.

**Length of Program:** 12 Months

**Number of Positions:** 1

**Application Deadline:** February 1, 2008

**Starting Date:** July 1, 2008

**Special Features:** Experiential opportunities exist at local affiliated facilities to get experience in trauma or transplant.

**Facilities:** The resident office will be located at the VA Medical Center in La Jolla, California and most activities will be coordinated from this site.

### **Learning Objectives:**

- Develop an understanding of the general principles of critical care in an integrated healthcare system.
- Develop an understanding of the medications specific to the critical care environment and special considerations needed when multiple organ system failure occurs.
- Develop skills in research design and methodologies to assess pharmaceutical-related clinical, humanistic, and economic health outcomes.

### **Didactic Course Work:**

- Education will include formal and informal critical care training classes
- Pulmonary, cardiology, and surgery rounds as well as
- Continuing education programs and conferences with cutting-edge training in critical care.

### **Primary Preceptor Information:**

**MARIA K. STUBBS, RPh, BCPS**, is a Critical Care Pharmacist Specialist and Program Director for the PGY2 Critical Care Residency at the San Diego VA Healthcare System. Maria received her BS in pharmacy at the Philadelphia College of Pharmacy and Science in 1990 and has been practicing in critical care at the San Diego VA ICU since 2000. She has been a full time Pharmacist Specialist since 1990 starting at the Long Beach VA Medical Center where she also practiced in critical care. She is a Board Certified Pharmacotherapy Specialist since 2000. Maria holds faculty appointments at the University of the Pacific and the University of California, San Diego.

**LISA ARAI, PHARM.D.**, is a Critical Care Pharmacist Specialist. Dr. Arai received her Doctor of Pharmacy degree from the University of California at San Francisco School of Pharmacy and completed a Pharmacy Practice Residency at the VASDHS. Dr. Arai has been practicing in critical care at the San Diego VA ICU since 2001 and is active in clinical research.

## PGY2 Critical Care cont.

### Forward questions and/or applications to:

Maria K. Stubbs, RPh, B.C.P.S. ([maria.stubbs@va.gov](mailto:maria.stubbs@va.gov))

VA San Diego Healthcare System Pharmacy Service (119)

3350 La Jolla Village Dr.

San Diego, CA 92161

Phone: (858) 552-8585 ext. 2377

Fax: (858) 552-7582

## PGY2 Infectious Diseases Pharmacy

**ASHP Code: 92366**

**NMS Code: 604255**

The PGY2 Infectious Diseases Pharmacy Residency Program is designed to provide the resident the skills necessary to become a competent and confident practitioner of pharmaceutical care in a variety of infectious diseases practice settings. The resident will be involved in achieving optimal drug therapy outcomes as an active member of the infectious diseases healthcare team. Activities of the resident will include, but not limited to, participating with the acute care infectious diseases consult team, attending HIV and general ID clinics, antimicrobial surveillance, precepting PGY1 residents and students, and educating other healthcare professionals, patients, and the community on infectious diseases-related topics. The resident will also have the option to rotate off-site to experience other infectious diseases practice settings. The resident will also be required to design and conduct a research project suitable for presentation and/or publication. Didactic education will include infectious diseases case conferences and microbiology rounds. After completion of the PGY2 Infectious Diseases Pharmacy Residency, the resident will possess the skills needed to work as a competent pharmacist in the infectious disease practice setting. Some out-of-state and in-state travel is required.

**Length of Program:** 12 Months

**Number of Positions:** 1

**Application Deadline:** February 1, 2008

**Starting Date:** July 1, 2008

**Educational/Special Requirements:** Completion of PGY1 residency. VA experience (rotational or residency) preferred but not required.

**Special Features:** Experiential opportunities exist at local affiliated facilities to get additional experience in inpatient and outpatient (clinics) settings as well as in industry

**Facilities:** The resident office will be located at the VA Medical Center in La Jolla, California and most activities will be coordinated from this site.

### **Learning Objectives:**

- Develop an understanding of the general principles of infectious diseases in an integrated healthcare system.
- Develop an understanding of the general principles of the diagnosis, prevention, and treatment of infectious diseases.
- Develop a working knowledge of the mechanisms of antimicrobial drug resistance and understand for to mitigate its impact on patients and the institution.
- Develop skills in research design and methodologies to assess pharmaceutical-related economic, clinical, and humanistic health outcomes.

## PGY2 Infectious Diseases Pharmacy cont.

### **Didactic Course Work:**

Education will include infectious diseases case conferences and microbiology rounds, continuing education programs and conferences with focus on infectious diseases.

### **Primary Preceptor Information:**

**SCOTT T. JOHNS, PHARM.D., BCPS** is an Infectious Diseases Pharmacy Specialist and Program Director for the PGY2 Infectious Diseases Residency at the San Diego VA Healthcare System. Dr. Johns received his Pharm.D. at the University of California San Francisco School of Pharmacy and completed a Pharmacy Practice Residency at the VASDHS. He has been a full time Infectious Diseases Pharmacy Specialist since 1994. He holds faculty appointments with three schools of pharmacy (UCSD, UOP, and USC) as well as the UCSD School of Medicine. His areas of interest include HIV therapeutics and pharmacodynamics.

### **Forward questions and/or applications to:**

Scott T. Johns, Pharm.D., BCPS ([Scott.Johns@va.gov](mailto:Scott.Johns@va.gov))  
VA San Diego Healthcare System Pharmacy Service (119)  
3350 La Jolla Village Dr.  
San Diego, CA 92161  
Phone: (858) 552-8585 x2414  
Fax: (858) 552-7582

# PGY2 Managed Care Pharmacy Systems (Pharmacoeconomics and Formulary Management)

**ASHP Code: 92042**

**NMS Code: 510257**

The PGY2 Managed Care Pharmacy Systems Residency is ASHP/AMCP Accredited (2005). The residency will provide the skills necessary for the practical application of Pharmacoeconomic principles to formulary management and outcomes research in integrated healthcare systems. The resident will be involved with every aspect of the formulary system from drug and drug class evaluations, contracting, bidding, formulary conversions, provider profiling, drug usage evaluations, Pharmacy and Therapeutics Committee functions, and the design and performance of drug related outcomes studies. Education will include formal pharmacoeconomic training classes and hands on application of principles. Work activities will encompass the VASDHS, Veterans Integrated Service Network 22 (VISN 22) Pharmacy Benefits Management (i.e. Southern California Regional VA), and VA National Formulary tasks. Out-of-state and in-state travel is required.

**Length of Program:** 12 Months

**Number of Positions:** 1

**Application Deadline:** February 1, 2008

**Starting Date:** July 1, 2008

**Affiliation:** University of the Pacific School of Pharmacy

**Special Features:** University appointment, local, regional and national exposure and activities involving pharmacy benefits management and formulary related outcomes research. Collaboration with national VA leaders in the fields of outcome measurements and clinical pathway design.

**Facilities:** The resident office will be located at the VA Medical Center in La Jolla, California and most activities will be coordinated from this site.

## **Learning Objectives:**

- Develop an understanding of the general principles of pharmacoeconomics and how pharmacoeconomics influences the use, cost and availability of drug products in an integrated healthcare system.
- Develop an understanding of formulary development, implementation, maintenance, and evaluation at local, regional, and national levels.
- Develop skills in research design and methodologies to assess pharmaceutical-related economic, clinical, and humanistic health outcomes.

## **Didactic Course Work:**

- University based education in pharmacoeconomics and study design
- University based statistical analysis training offered.
- Continuing Education Programs and Conferences with Cutting Edge Training in Pharmacoeconomics and Outcomes Research.

## **PGY2 Managed Care Pharmacy Systems cont.**

### **Primary Preceptor Information**

**Mark Bounthavong, Pharm.D** is a Pharmacoeconomic Clinical Specialist at the VA San Diego Healthcare System. Dr. Bounthavong received his Pharm.D. degree from Western University of Health Sciences College of Pharmacy in Pomona, CA. He has completed a Pharmacy Practice Residency at the Veterans Affairs Loma Linda Healthcare System in Loma Linda, CA. He has also completed a fellowship in Pharmacoeconomics and Outcomes Research at Western University of Health Sciences under the tutelage of Drs Anandi V Law and Mark P Okamoto. Dr. Bounthavong currently conducts Formulary Management, Health Outcomes and Pharmacoeconomics Research in co-operation with Formulary Group Members of VASDHS, and is a guest lecturer at Western University.

**Melissa L.D. Christopher, Pharm.D.** is the Director of Pharmacoeconomics and Formulary Management for Pharmacy Service, VA San Diego Healthcare System. Dr. Christopher received her Pharm.D. degree from Duquesne University in Pennsylvania. She has completed a Geriatric Emphasis Pharmacy Practice Residency at VASDHS and Pharmacoeconomics and Formulary Management Residency through VASDHS and University of the Pacific School of Pharmacy. Dr Christopher is an active researcher in the area of outcomes and practical applied clinical economics and has presented projects at clinical and pharmacoeconomic focused conferences.

**Emerald Foster, Pharm.D., CGP, FASCP** is a Compliance and Drug Accountability Specialist at the VA San Diego Healthcare System. Dr. Foster received her Pharm.D. Degree from University of the Southern California School of Pharmacy and did a Pharmacy Practice Residency at Kaiser Permanente. She is also Board Certified in Geriatrics and has been recognized as a Fellow of the American Society of Consultant Pharmacists for her contributions to the profession.

**Anthony P. Morreale, Pharm.D., MBA, BCPS, FASHP** is currently the Chief, Pharmacy Service, VA San Diego Healthcare System and member of the VISN 22 Pharmacy Benefit Management Committee. Dr. Morreale received his Pharm.D. Degree from University of the Pacific School of Pharmacy, completed a Clinical Pharmacy Residency at San Joaquin County Hospital and received his M.B.A. Degree from Webster University. He is also Board Certified in Pharmacotherapy and has been recognized as a Fellow of the American Society and California Society of Health-Systems Pharmacists for his many contributions to the profession. Dr. Morreale has received numerous awards and recognition in pharmacy and holds faculty appointments with the University of the Pacific (UOP) and University of Southern California (USC), and University of California San Diego (UCSD) Schools of Pharmacy. Dr. Morreale has held numerous offices in various organizations, is an active researcher in pharmacoeconomics, is well published and an experienced speaker in a variety of venues. Dr. Morreale currently serves on the Editorial Board of the American Journal of Health-Systems Pharmacy.

## PGY2 Managed Care Pharmacy Systems cont.

**Brian K. Plowman, Pharm.D, MBA, BCPS** is currently the Associate Chief, Pharmacy Service, Director of the Health Outcomes and Research Division, and Co-Director of the Anticoagulation Program at the VA San Diego Healthcare System. Dr. Plowman received his Pharm.D. Degree from University of the Pacific School of Pharmacy did a Clinical Pharmacy Residency specializing in Geriatric Medicine at the Veterans Affairs Medical Center in San Diego, California and received his M.B.A. Degree from Webster University. He is also Board Certified in Pharmacotherapy. Dr. Plowman holds faculty appointments with the University of the Pacific (UOP) and University of Southern California (USC) Schools of Pharmacy. Dr. Plowman is an active researcher in the area of phamacoeconomics and cardiovascular medicine, with emphasis on anticoagulant and antiplatelet therapy and is an experienced speaker in a variety of venues.

**Margaret A. Stull, Pharm.D.** is a Pharmacoeconomic Clinical Specialist at the VA San Diego Healthcare System. Dr. Stull received her Pharm.D. degree from Medical College of Virginia at Virginia Commonwealth University in Richmond, Virginia. She has completed a Pharmacy Practice Residency at the VA Chicago Healthcare System, working at both West and Lakeside Divisions. Dr. Stull conducts Formulary Management, Health Outcomes and Pharmacoeconomics Research in co-operation with Formulary Group Members of VASDHS.

**Forward questions and/or applications to:**

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Director, Pharmacoeconomics

Director, Specialty Residency in Managed Care Systems

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# PGY2 Oncology Pharmacy

**ASHP Code: 92361**

**NMS Code: 601460**

After completing the PGY2 Oncology Residency, the resident will be a competent and confident practitioner of pharmaceutical care in a wide variety of oncology practice settings (e.g., acute care, ambulatory care, subacute care, hospice care, investigational drug service, etc). The resident will be involved in achieving optimal drug therapy outcomes and providing direct patient care as an active member of the oncology healthcare team. In addition, the resident will exercise proficiency in communication and in educating other health care professionals, patients, and the community on oncology related topics. Residents will demonstrate professional maturity by following a personal philosophy or practice, monitoring their own performance, and exhibiting commitment to the profession. Education will include formal and informal oncology training classes and hands-on application of principles. Out-of-state and in-state travel is required.

**Length of Program:** 12 Months

**Number of Positions:** 1

**Application Deadline:** February 1, 2008

**Starting Date:** July 1, 2008

**Special Features:** Experiential opportunities exist at local affiliated facilities to get experience in bone marrow transplant and hospice care.

**Facilities:** The resident office will be located at the VA Medical Center in La Jolla, California and most activities will be coordinated from this site.

## **Learning Objectives:**

- Develop an understanding of the general principles of oncology in an integrated healthcare system.
- Develop an understanding of the principles of prevention and management of chemotherapy-related toxicities.
- Develop skills in research design and methodologies to assess pharmaceutical-related economic, clinical, and humanistic health outcomes.

## **Didactic Course Work:**

- Education will include formal oncology training classes and hands-on application of principles.
- Continuing Education Programs and Conferences with cutting-edge training in Oncology and Outcomes Research.

## **Primary Preceptor Information:**

**BRIAN DAHL, PHARM.D., BCOP** is an Oncology Pharmacist Specialist and Program Director for the PGY2 Oncology Residency at the San Diego VA Healthcare System. Dr. Dahl received his Pharm.D. degree at the University of California San Francisco School of Pharmacy and completed a Pharmacy Practice Residency at the VASDHS. He has been a full time Oncology Specialist since 1989 and has been Board Certified in Oncology Pharmacy since 1998. Dr. Dahl holds faculty appointment at the University of the Pacific and is active in clinical research. He routinely gives lectures at the University of California San Diego Skaggs School of Pharmacy and Pharmaceutical Sciences and UCSD Moores Cancer Center.

## PGY 2 Oncology Pharmacy cont.

**THOMAS COOKSON, PHARM.D.** is an Oncology Pharmacist Specialist. Dr. Cookson received his Pharm.D. degree from the University of Southern California School of Pharmacy and completed a Pharmacy Practice Residency at the VASDHS. Dr. Cookson has extensive experience as an Ambulatory Care Clinical Pharmacist and served as the Primary Care Residency Director from 1995-2006.

**MUOI GI, PHARM.D., BCPS** is an Oncology Pharmacist Specialist at the VA San Diego Healthcare System. She received her Pharm.D. degree from Western University of Health Sciences, College of Pharmacy. Dr. Gi completed both a Primary Care Pharmacy Practice Residency and a Oncology Pharmacy Residency at the VASDHS. She has been Board Certified in Pharmacotherapy since 2006.

**Forward questions and/or applications to:**

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# PGY2 Pharmacy Administration and Leadership

## Primary Preceptor Information

**ANTHONY P. MORREALE, PHARM.D., M.B.A., B.C.P.S., F.A.S.H.P.** is currently the Chief, Pharmacy Service, VA San Diego Healthcare System and member of the VISN 22 Pharmacy Benefit Management Committee. Dr. Morreale received his Pharm.D. Degree from University of the Pacific School of Pharmacy, completed a Clinical Pharmacy Residency at San Joaquin County Hospital and received his M.B.A. Degree from Webster University. He is also Board Certified in Pharmacotherapy and has been recognized as a Fellow of the American Society and California Society of Health-Systems Pharmacists for his many contributions to the profession. Dr. Morreale has received numerous awards and recognition in pharmacy and holds faculty appointments with the University of the Pacific (UOP) and University of Southern California (USC), and University of California San Diego (UCSD) Schools of Pharmacy. Dr. Morreale has held numerous offices in various organizations, is an active researcher in pharmacoconomics, is well published and an experienced speaker in a variety of venues.

**BRIAN K. PLOWMAN, PHARM.D, MBA, BCPS** is currently the Associate Chief, Pharmacy Service, Director of the Health Outcomes and Research Division, and Co-Director of the Anticoagulation Program at the VA San Diego Healthcare System. Dr. Plowman received his Pharm.D. Degree from University of the Pacific School of Pharmacy did a Clinical Pharmacy Residency specializing in Geriatric Medicine at the Veterans Affairs Medical Center in San Diego, California and received his M.B.A. Degree from Webster University. He is also Board Certified in Pharmacotherapy. Dr. Plowman holds faculty appointments with the University of the Pacific (UOP) and University of Southern California (USC) Schools of Pharmacy. Dr. Plowman is an active researcher in the area of pharmacoconomics and cardiovascular medicine, with emphasis on anticoagulant and antiplatelet therapy and is an experienced speaker in a variety of venues.

### Forward questions and/or applications to:

Anthony P. Morreale, Pharm.D., MBA, BCPS ([anthony.morreale@va.gov](mailto:anthony.morreale@va.gov))

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# PGY2 Pharmacy Information Technology and Data Management

**ASHP Code:** (pending)

**NMS Code:** (pending)

The PGY2 Pharmacy Information Technology and Data Management residency will provide the skills necessary for the practical application of pharmacy information and automated technology assessment principles in integrated healthcare systems. The resident will be involved with every aspect in the management of pharmacy data applications, data support and analysis for pharmacy and medical center leadership, pharmacy technology assessment, implementation, and maintenance. The resident will gain experience in a Computerized Patient Record System (CPRS), Computerized Prescriber Order Entry (CPOE), Barcode Medication Administration (BCMA), medication storage and retrieval devices (Pyxis®/Omnicell®), medication dispensing robotics (ScriptPro®), and drug accountability software (DocuSys®, VA accountability package). Other responsibilities include conducting outcomes research, and precepting students and PGY1 Pharmacy Practice residents with informatics related projects. Education will include formal informatics training classes and hands-on application of principles. Work activities will encompass the VASDHS, and Veterans Integrated Service Network 22 (VISN 22). Out-of-state and in-state travel is required.

**Length of Program:** 12 Months

**Number of Positions:** 1

**Application Deadline:** February 1, 2008

**Starting Date:** July 1, 2008

**Special Features:** Local, regional and national exposure and activities involving pharmacy data management and technology assessment.

**Facilities:** The resident office will be located at the VA Medical Center in La Jolla, California and most activities will be coordinated from this site.

**Learning Objectives:**

- Develop an understanding of the principles of the use of pharmacy information in an integrated healthcare system.
- Develop an understanding of healthcare technology development, evaluation, implementation, and maintenance at local, regional, and national levels.
- Develop skills in research design and data analysis to assess pharmaceutical-related economic, clinical, and humanistic health outcomes.

**Didactic Course Work:**

- Training in Microsoft Office applications with emphasis in Excel and Access.
- Continuing education programs and conferences with cutting-edge training in Pharmacy Informatics, Healthcare Technology, and Outcomes Research.

# PGY2 Pharmacy Information Technology and Data Management cont.

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## Primary Preceptor Information

**Daniel Boggie, Pharm.D.** is the Director, Pharmacy Data Applications and Analysis at the VA San Diego Healthcare System. Dr. Boggie received his Pharm.D. degree from Texas Tech University School of Pharmacy. He completed a Pharmacy Practice Residency at the Southern Arizona VA Healthcare System and a Pharmacoeconomics/Formulary Management Residency through VASDHS and University of the Pacific School of Pharmacy. Dr. Boggie conducts Health Outcomes, Pharmacoeconomic, and VA Database Research in cooperation with the Pharmacoeconomics and Health Outcomes Groups of VASDHS.

**Jennifer Howard, Pharm.D.** is the Director, Pharmaceutical Integrated Technologies at the VA San Diego Healthcare System. Dr. Howard received her Pharm.D. degree from the University of the Pacific School of Pharmacy. She completed a Pharmacy Practice Residency with a Geriatric Emphasis at the VA San Diego Healthcare System and has served as Associate Inpatient Director, Pharmacy Service at VASDHS. Dr. Howard conducts Health and Technology Outcomes research in cooperation with the Pharmacoeconomics and Health Outcomes Groups of VASDHS.

## Forward questions and/or applications to:

Daniel Boggie, Pharm.D. (Daniel.Boggie@va.gov)  
or Jennifer Howard, Pharm.D. (Jennifer.Howard2@va.gov)  
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## PGY2 Psychiatric Pharmacy

**ASHP Code: 92362**

**NMS Code: 606466**

### **Residency Overview:**

The goal of our PGY2 Psychiatric Pharmacy Residency is to provide residents a challenging training opportunity for individuals desiring to develop clinical competency in the specialized area of psychiatry pharmacotherapeutics. The training period incorporates both outpatient and inpatient rotations devoted to the development of skills essential for the delivery of pharmaceutical care with a primary focus on psychiatry. Our clinically based program offers experiences in: inpatient, outpatient, geriatric, substance abuse, and child and adolescent psychiatry. While emphasizing clinical psychopharmacology, the residency program provides ample opportunity for the resident to learn and develop administrative, teaching and research skills.

Graduates of the 12-month training program are expected to be academically knowledgeable, clinically astute and caring psychopharmacologists. With the specialized knowledge and skills provided during the program, graduates should be able to provide a high level of direct patient care, ultimately leading to competence commensurate with Board Certification by the Board of Pharmaceutical Specialties.

**Length of Program:** 12 Months

**Number of Positions:** 1

**Application Deadline:** February 1, 2008

**Starting Date:** July 1, 2008

**Affiliation:** University of California, San Diego Skaggs School of Pharmacy and Pharmaceutical Sciences

**Estimated Stipend:** \$43,356 (an additional ~\$2500 - \$5000 may be earned via a dual appointment for residents who choose to work additional hours outside of the residency schedule)

**Facilities:** The resident office will be located at the VA Medical Center in La Jolla, California and most activities will be coordinated from this site. Some clinical experiences will be conducted at facilities in the UCSD Medical Center.

### **Primary Preceptor Information**

**Joel Boerth, Pharm.D., BCPP** received his Doctor of Pharmacy degree from the University of Rhode Island. He completed a 2-year Specialty Residency/Fellowship in Psychiatry, Institute of Living in Hartford, CT. He has faculty appointments with the University of the Pacific (UOP) and University of Southern California (USC) Schools of Pharmacy. His primary responsibilities include serving as the primary 2-South Inpatient Psychiatric Pharmacist Specialist, where he attends multidisciplinary rounds on the inpatient treatment team 2, and as the primary ADTP Inpatient Psychiatric Pharmacist Specialist. He also runs the Clozapine Clinic and a Mood Disorders Clinic. His research interests include: pre-clinical study of septic shock models and their influence on drug metabolism; mental health safety of herbal preparations in psychiatric patients and populations at-large; the study of side effect burdens associated with long-term atypical antipsychotic use; and the study of cognitive enhancing drugs in patients with schizophrenia.

## PGY2 Psychiatric Pharmacy cont.

**Benjamin Dishman, Pharm.D., BCPP** is an Assistant Clinical Professor of Psychiatry at the University of California, San Diego and has affiliations with UOP and USC Schools of Pharmacy. He received his Bachelors of Science from the University of Oklahoma and Doctor of Pharmacy degree from USC. He completed a Clinical Pharmacy/Clinical Toxicology Residency at the University of Iowa. He has a Mood Disorders Clinic, a Substance Abuse and Mentally Ill (Dual Diagnosis) Clinic, and participates in multidisciplinary rounds on the inpatient treatment team 1. His research interests include: blood levels of carbamazepine and valproic acid and clinical outcome in patients with psychiatric illness; vitamin E and its effects on the treatment and prevention of antipsychotic induced tardive dyskinesia; and psychopharmacologic clinical trials.

**Rene A. Endow-Eyer, Pharm.D., BCPP** received her Doctor of Pharmacy from the University of Southern California, and completed her Residency in Psychiatric Pharmacy Practice, USC. She also completed a Psychiatric Pharmacy Fellow with emphasis in substance abuse at the VA Puget Sound. She has faculty appointments with UOP and USC Schools of Pharmacy. She runs a General Psychiatric Disorders Clinic, PTSD Clinic and a Military Sexual Trauma (MST) Clinic. Her research interests include: Clinical and Economic Outcomes of Converting Divalproex Sodium to Valproic Acid in an Outpatient Psychiatric Veteran Population; Psychiatric Rehospitalization Rate for Patients Treated with Atypical Antipsychotics; and Cost Analysis of Atypical Antipsychotics and Concomitant Medication Use.

**Jonathan P. Lacro, Pharm.D., FASHP, BCPS, BCPP** is Director of Clinical Specialists, Pharmacy Education and Training and serves as Program Director for our PGY2 Psychiatric Pharmacy Program. He is an Associate Clinical Professor of Psychiatry at the University of California, San Diego, and has affiliations with UOP and USC Schools of Pharmacy. He received his Doctor of Pharmacy from the University of the Pacific, and completed a Residency in Clinical Pharmacy at the VA San Diego and a Fellowship in Psychopharmacology with an emphasis in Geriatric Psychiatry, VA San Diego/UCSD. He runs the Geriatric Psychiatry Clinic and Cognitive Disorders Clinic. He is a Research Scientist for the Veterans Medical Research Foundation and serves as Principal Investigator of a National Institute of Mental Health funded of a study of medication adherence in older psychotic people.

**Susan G. Leckband, RPh, BCPP** received her BS in pharmacy and BA in English from the University of Washington. She is a Clinical Instructor of Psychiatry at the University of California, San Diego, and is affiliated UOP and USC Schools of Pharmacy. She runs a Mood Disorders Clinic and a Bipolar Disorder Clinic. Her research interests include: metabolic concerns in psychiatrically ill people treated with atypical antipsychotics and mood stabilizers; Effects of Novel Antipsychotics on Cardiovascular Risk in Patients with Schizophrenia or Schizoaffective Disorder A Multicenter Study; and is a Co-Principle Investigator for a VA Merit Grant funded prospective pharmacogenomics study.

### **Forward questions and/or applications to:**

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Director, Psychiatric Pharmacy Residency Program

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# Geriatric Mental Health Fellowship

The fellowship provides skills necessary for conception, planning, and conduct of research in clinical and basic sciences with subsequent presentation and publication of results in a scientific forum. Fellows teach through direct supervision of psychiatric residents, pharmacy and medical students, psychology interns, and allied health professionals, and through lectures to academic and community audiences. Those completing the program may qualify for faculty appointments.

Specific objectives include:

- Attain general scholarly knowledge in the field of geriatric mental health
- Master fundamentals of experimental design and statistical procedures
- Working knowledge of specific methodologies and strategies in research
- Sensitivity to ethical issues related to research, including human experimentation, respect for data, and behavior towards colleagues and collaborators
- Develop critical, imaginative, and creative attitude towards research

**Duration:** 12-24 months

**Program Director:** Dilip V. Jeste, M.D., Director, Geriatric Psychiatry Clinical Research Center

**Funding:** National Institutes of Mental Health

**Supported by:** Psychiatry Department, UCSD, and VA San Diego Healthcare System

**Principle Pharmacy Mentor:** Jonathan P. Lacro, Pharm.D., BCPS, BCPP, Associate Clinical Professor of Psychiatry, University of California San Diego, and Director, Pharmacy Education and Training, VA San Diego Healthcare System

**Forward questions and/or applications to:**

Jonathan P. Lacro, Pharm.D., BCPS, BCPP, FASHP ([Jonathan.lacro@va.gov](mailto:Jonathan.lacro@va.gov))

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