

**Postgraduate Year Two (PGY2)
Hematology/Oncology Pharmacy Residency**

Program Director:
Gary Jean, Pharm.D., BCOP

Overall Purpose:

Graduates of the PGY2 residency program are prepared to practice as a clinical pharmacy specialist positions in a variety of inpatient and outpatient hematology/oncology settings and to serve as a non-tenured faculty member at a school of pharmacy.

Philosophy:

The PGY2 specialty residency in Hematology/Oncology at Texas Tech University Health Sciences Center School of Pharmacy Dallas/Ft. Worth Regional Campus is designed to produce practitioners who exhibit excellence in the pharmaceutical care of hematology/oncology patients. A Hematology/Oncology clinical specialist should possess a mastery of clinical skills needed to practice in a wide range of patient care settings and a solid knowledge base in Hematology/Oncology pharmacotherapy. The residency provides the environment necessary to achieve the knowledge and skills needed to care for patients with a wide range of disease states. The program will foster the development of an independent and versatile practitioner. The program is also designed to produce well rounded, independent professional through experiences in teaching, research, and professional activities.

General Description:

The 12-month program is designed to lead the resident through a variety of inpatient and outpatient practice experiences. By the end of the program, the resident should feel competent practicing within a variety of inpatient and outpatient settings involving hematology and oncology. The residency includes core rotations that are chosen to establish a strong base in Oncology. Core hematology and oncology disease states within this residency include lung cancer, breast cancer, prostate, colorectal cancer, leukemia, lymphoma, and bone marrow transplant among other common malignancies. The resident may choose electives based on his/her career goals. Although the residency is designed around these core and elective longitudinal rotations, the focus of the training will be to master each of the disease states established within the ASHP Practice Standards for a Specialized Residency in Hematology/Oncology.

Program Goals:

Practice Excellence:

- Develop a mastery of knowledge base in Hematology/Oncology pharmacotherapy
- Develop solid patient care skills in the inpatient and outpatient settings
 - Should achieve excellence in core Hematology/Oncology disease states
- Develop a sound understanding of pharmacy practice management
- Establish yourself as an integral member of a health care team

Scholastic Excellence:

- Demonstrate proficiency in teaching in both didactic and small group learning environments
- Develop effective precepting skills
- Generate new knowledge in Hematology/Oncology Pharmacotherapy
- Interpret and disseminate knowledge in Hematology/Oncology Pharmacotherapy

Individual Excellence:

- Develop and improve upon a system of self-assessment skills
- Demonstrate exemplary verbal and written communication skills
- Utilize a system for balancing multiple work-related and personal responsibilities
- Understand the importance of professionalism through participation in pharmacy

For additional information, please refer to the *ASHP PGY2 Oncology Pharmacy Residency Education Goals and Objectives*.

Program Activities:

The residency experiences are divided into month long blocks. The resident is required to take all of the Required Rotations throughout the year with the option to integrate the Elective Rotations throughout the residency based on the resident's interest. All required rotations are within UT Southwestern Clements University Hospital of the Simmons Cancer center. Elective rotations are offered at Children's Medical center, and the North Texas VA Health Care System.

Required Rotations (~70% of time the entire year unless otherwise stated)

- Orientation and Chemotherapy Training: (1 month)
- Medical Oncology Wards (2 Months)
- Acute Leukemia/Bone Marrow Transplant (2 Months)
- Inpatient Hematology Wards (1 Month, physician and pharmacist precepted)
- Ambulatory Care (2 Months, physician and pharmacist precepted)
- Academic: research project development / administrative Time (1 to 2 - ½ days a week)

Elective Rotations

- Investigational Drugs (pharmacist precepted)
- Hematology/Oncology Outpatient Longitudinal Clinic (multidisciplinary clinic, pharmacist precepted, VA)
- Hematology/Oncology Consult Service (multidisciplinary consult service, pharmacist precepted, VA)
- Pediatrics (multidisciplinary ward service, pharmacist precepted, Children's)
- Pain/Palliative Care Service (physician and pharmacist precepted, VA)

Teaching Activities:

Residents are appointed as Assistant Instructors with Texas Tech University Health Sciences Center (TTUHSC) School of Pharmacy (SOP). Teaching activities for residents are designed to complement practice activities while allowing the resident to experience a variety of teaching methods. Residents will be required to demonstrate skills necessary to function in an academic setting by completing the following activities:

Clinician-Educator Residency Certificate Program

The Clinician Educator Training Program is a program to provide training for PGY1 and PGY2 residents who are interested in developing their academic skills. The major goal of the training program is to supplement a strong clinical background with the skills needed to become a successful educator. The learning objectives for this program are to develop a personalized teaching philosophy, create evaluable learning objectives and corresponding exam questions for a formal lecture, evaluate students fairly, and to discuss effective teaching methodologies for a given scenario. The program includes didactic and web-based teaching models, mentored facilitator training for small group problem-based learning, and

precepting of third and/or fourth-year Doctor of Pharmacy students. Residents also receive instruction in grant-writing, statistical, and clinical trial design; submit a project proposal to the institutional review board; and collect, interpret, and publish their results. Additional activities are provided to enhance discovery, integration, and writing skills. The program also includes innovative discussion topics based on needs previously identified by new faculty members. While the program targets residents with an interest in academia, the skill sets gained through the Clinician-Educator Training Program are applicable to a broad range of career opportunities.

Didactic Teaching

One to two hours of formal didactic lectures within the school of pharmacy programs will be offered. The courses that are to be taught will be based on availability and resident interest.

Problem-Based Learning

Involvement as a group facilitator in case studies (P3 Pharm.D. students) in both Case Studies II and III are required. The Case Studies II course is a student-directed exercise that focuses on pharmaceutical care for an individual patient. It is designed to be a problem based learning experience in which students see an initial patient presentation. They then spend the next 3 to 4 sessions developing a patient pharmaceutical care plan, addressing self-identified learning issues, developing a SOAP note, and finally presenting their plan orally with another group. Both pathophysiology and therapeutic knowledge are incorporated. In Case Studies III the focus is population-based. Students are provide real-life scenarios and must work together to complete the assigned tasks. Examples include creation of P&T drug monographs, patient care algorithms, educational materials, transitional care setting creations, and clinic business plans. The facilitator's role is not to teach the students, but rather to facilitate their discussion. During the semester, this course meets twice a week for two hours.

Experiential Teaching

Clerkship teaching (involving both P3 and P4 Pharm.D. students) is integrated into the resident practice model. Early in the program, the resident will observe faculty clerkship preceptors and become integrated into various aspects of clerkship teaching. During the residency program, residents will independently precept clerkship students for two to three rotations.

Residency Project

Residents will complete one project per year. Residents may choose any type of research project or quality improvement program, provided that the project:

- 1) includes generation of original data;
- 2) is suitable for publication or presentation at a national pharmacy meeting;
- 3) can reasonably be completed within the residency year.

Journal Club

Residents will participate in the PGY2 residency journal club throughout the year, presenting one formal journal club at this venue. Residents will also present journal clubs throughout the year at the request of individual preceptors.

Other Teaching/Educational Opportunities

Residents will be required to provide in-services for pharmacy, nursing and medical services as required by preceptors. Residency topic discussions will be held at least weekly with hematology/oncology preceptor and on individual rotations as required and/or requested. Residents may also participate in the resident-managed BCPS preparatory course.

Additional Activities:

Resident Rounds

Residents will present a formal 45-minute presentation to the UT Southwestern Clements University Hospital pharmacy staff and TTUHSC faculty in the fall.

Manuscript Preparation

Residents are required to submit two manuscripts per year for publication in a refereed journal.

Southwestern Leadership Conference (ALCALDE)

Residents participate in this regional residents meeting, also known as ALCALDE, in the spring. Residents have the opportunity to present their project results for evaluation in a podium presentation. It is also a great opportunity to interact with residents from other programs throughout the region.

Poster Presentation

Residents are also required to present a poster of their work at the annual Hematology Oncology Pharmacy Association meeting in addition to an encore poster with an optional podium presentation at TTUHSC SOP Research Days.

Student Interviews

Residents may participate in the interview process for applicants to the TTUHSC SOP.

Annual Assessment

Residents will assist other faculty members with administration and proctoring of the Annual Outcomes Assessment Test as needed.

Information for Applicants:

Qualifications: Residency applicants must have a Pharm.D. degree, be eligible for licensure in Texas, and be eligible for preceptorship in Texas Tech University HSC School of Pharmacy. Candidates for the Hematology/Oncology Specialty Residency should have completed a PGY1 Pharmacy Practice Residency. Candidates will be required to consent in writing to undergo a background check prior to employment.

Contact Information

Gary W. Jean, Pharm.D., BCOP

PGY2 Hematology/Oncology Residency Program Director

Assistant Professor

Email: gary.jean@ttuhsc.edu

Adult Medicine Division – Pharmacy Practice Department

Texas Tech University Health Sciences Center School of Pharmacy – DFW campus

5920 Forrest Park Rd

Dallas, Texas 75235

Phone: (214) 654-9404

Fax: (214) 654-9707

Site Information:

The Texas Tech School of Pharmacy was established by the Texas Legislature in 1993 and is part of the Texas Tech University Health Sciences Center. The Texas Tech University Health Sciences Center School of Pharmacy graduated its first class in May 2000. The Texas Tech School of Pharmacy is the first publicly funded pharmacy school to be built in the US in 40 years. Founded upon the idealism that tomorrow's pharmacists must be independent thinking and technologically advanced, all education and training utilize problem-based learning techniques with a strong emphasis on computer literacy. All course materials are maintained on the School's World Wide Web servers. The main campus for the school of pharmacy is located in Amarillo. Regional campuses are located in Dallas/Ft Worth, Lubbock and Abilene, Texas. The Dallas/Fort-Worth Regional campus was established in 1999, & has two sites, one resides on the Dallas Veterans Affairs Medical Center campus and the other is within the central Dallas Medical District. Approximately 16 full-time and 25 adjunct clinical faculty as well as 2 distance learning classrooms in DFW support the education and training of more than 80 students in their last 2 years of pharmacy school and 10-15 residents. Residents are actively involved in didactic and clinical teaching and helping facilitate Pharm.D. students in acquiring problem-based learning skills.



UT Southwestern's new William P. Clements Jr. University Hospital is specially designed and equipped around the needs of patients and their families. Best practices gathered from the nation's top clinical facilities are incorporated in the design of the new hospital and fully integrate UT Southwestern's patient care, education, and research missions – elements that make an academic medical center unique among health care providers. The result is a 12-floor, 460-room patient-centered hospital that will utilize innovative design, advanced technology, and best practices to provide excellence in care.



As the region's only National Cancer Institute-designated cancer center, UT Southwestern's Simmons Cancer Center offers a level of care and access to innovative treatments that are unsurpassed in North Texas. But we're not content with simply offering the latest advances in cancer care. Our active research program seeks to uncover the newest scientific discoveries in cancer and bring them to our patients. They offer 13 major cancer care programs. The focus is treating the whole patient while we fight the cancer. In addition to patient care and research, the education and training programs support and develop the next generation of cancer researchers and clinicians.



The Veterans Affairs North Texas Health Care System (VANTHSC) consists of three campuses including the Dallas VA Medical Center, Sam Rayburn Memorial Hospital in Bonham, and the Fort Worth Outpatient Clinic. The Dallas VA Medical Center, located 10 miles south of downtown Dallas, is a 571-bed inpatient facility with a new outpatient facility opened in 1999. The DVAMC is also a major training site for multiple health care professionals and is one of the main teaching hospitals for residents and fellows from the University of Texas Southwestern



(UTSW) Medical Center of Dallas. The Dallas VAMC campus provides patient care services and conducts clinical research in many inpatient and outpatient specialty areas and draws patients from all over the nation. The Dallas VAMC campus includes a 571-bed inpatient facility. A new clinical addition opened in 1999 and houses the Dept of Pharmacy Services, ambulatory clinics, and Intensive Care Units. The VANTHCS has state of the art robotics in the pharmacy department and computerized medical information systems. The Department of Pharmacy Services includes 24 clinical pharmacists who provide pharmacy services in a variety of specialty areas.

Program Leadership:



Gary W. Jean, Pharm.D., BCOP

Assistant Professor of Pharmacy Practice

Specializing in Hematology/Oncology

Practice Site: UT Southwestern Clements University Hospital

Dr. Jean is an Assistant Professor in Adult Medicine with his practice site at the UT Southwestern Clements University Hospital, Dr. Jean focuses his practice on the management of acute care, supportive care, and palliative care in medical oncology.

Dr. Jean received his Doctor of Pharmacy degree from the Texas Tech University Health Sciences Center School of Pharmacy in 2008. Dr. Jean has since completed both a Pharmacy Practice and Hematology/Oncology Specialty Residency with the Veterans Affairs North Texas Medical Center and Texas Tech Health Sciences Center School of Pharmacy in Dallas, Texas from 2008-2010. He also earned his BCOP in 2011.

During residency, Dr. Jean's research interests included: the outcomes of dual antiplatelet therapy in patients who require anticoagulation with warfarin as well as the incidence of nephrotoxicity in patients who are receiving zoledronic acid therapy for the prevention of skeletal related events in patients with metastatic cancer to the bones. Currently, Dr. Jean is involved in research evaluating adherence to adjuvant hormonal therapy in breast cancer survivors as well as the incidence of adverse effects in thyroid cancer patient receiving oral chemotherapy. Dr. Jean is an active member of Hematology Oncology Pharmacy Association. He has served HOPA nationally on the Programing Committee.

2016 – 2017: None

Current Resident:

Past Residents:



Katherine Kelly, Pharm.D. (2015-2016)

Katherine Kelly is currently a PGY-2 Hematology/Oncology resident at UT Southwestern in Dallas, Texas and Texas Tech Health Sciences School of Pharmacy. Dr. Kelly completed her PGY-1 pharmacy practice residency at the VA North Texas Health Care System in July 2015. Katherine is a native Texan raised in Colleyville, TX. Coming from a family of Aggies, Katherine graduated magna cum laude in December 2009 with her Bachelor of Arts degree in chemistry from Texas A&M University. Dr. Kelly graduated with high honors with her Doctor of Pharmacy degree from the University of Texas At Austin and the University of Texas At Austin Health Science Center at San Antonio in May of 2014. Dr. Kelly is a member of the Hematology/Oncology Pharmacy Association and Rho Chi Honor Society. In her free time, she enjoys spending time with her husband/ family/friends, exercising, and watching Aggie football.

Education:

BA in Chemistry-2009- Texas A&M University

Doctor of Pharmacy-2014- The University of Texas at Austin & The University of Texas Health Science Center at San Antonio

PGY-1 Resident-2015-VA North Texas Health Care System- Dallas, TX



Rene Mani, Pharm.D. (2014-2015)

Dr. Mani is currently a PGY2 Hematology/Oncology specialty resident at Texas Tech University Health Sciences Center School of Pharmacy and UT Southwestern Clements University Hospital in Dallas, TX. Hailing from Grapevine, TX, Dr. Mani received his Bachelor of Science degree in Molecular Biology from the University of Texas at Dallas in December 2008 and his Doctor of Pharmacy degree from Texas Tech University Health Sciences Center School of Pharmacy in May 2013; additionally, he completed an ASHP-accredited PGY1 pharmacy practice residency with Hendrick Medical Center and Texas Tech University Health Sciences Center School of Pharmacy in Abilene, TX from July 2013 to June 2014. Dr. Mani is also appointed as an Assistant Clinical Instructor at the School of Pharmacy

and will be precepting pharmacy students in their third professional year. Dr. Mani is currently a member of the American Pharmacists Association, the American Society of Health-System Pharmacists, the Texas Society of Health-System Pharmacists, and Rho Chi Honor Society. In his free time, Dr. Mani enjoys running, reading, re-learning the piano, and spending time with family and friends.

Pharmacy Preceptors:



Sachin Shah, Pharm.D. BCOP, FCCP

Professor of Pharmacy Practice

Practice Site: North Texas VA Medical Center

Dr. Sachin Shah is a Professor of Pharmacy Practice Department at Texas Tech University Health Sciences Center (TTUHSC) – School of Pharmacy and a Hematology/Oncology Clinical Pharmacist at the Dallas VA Medical Center. He also serves as an Associate Dean for Accreditation and Outcome Assessment at Texas Tech. In past, Dr. Shah established ASHP accredited Hematology/Oncology Specialty Residency program and trained multiple students and residents through his practice. He has been recognized at the State and National levels for his clinical practice. Dr. Shah has been recipient of Hematology/Oncology Pharmacy Association (HOPA) Clinical Practice Award. Dr. Shah has delivered multiple

national presentations and has served as a faculty on BCOP Preparatory Review Course sponsored by ASHP/ACCP. Dr. Shah has been recognized as a Fellow of the American College of Clinical Pharmacy (FCCP).

Chi Yin Gabriel Kwong, PharmD, BCOP

Pharmacy Clinical Coordinator of Bone Marrow Transplant Service

UT Southwestern Clements University Hospital

Dr. Kwong is a Pharmacy Clinical Coordinator of Bone Marrow Transplant Service at UT Southwestern. He received his Bachelor of Science in Pharmacy degree from the University of Minnesota in 1979 and the Doctor of Pharmacy degree from the University of Florida in 2001. Dr. Kwong received his Board Certified Nutrition Supportive Pharmacist (BCNSP) from 1996 through 2010. He also became a Board Certified Oncology Pharmacist (BCOP) in 1998. He completed the Pharmacy Nutrition Support Preceptorship at Shands Hospital, University of Florida in 1996. Dr. Kwong is a member of Hematology/Oncology Pharmacy Association.

Jeff Liticker, Pharm.D., BCOP

Dr. Liticker is the manager of the oncology pharmacy service line at the Simmons Cancer Center at UT Southwestern Medical Center in Dallas. Dr. Liticker received bachelor's degrees in pharmacy and chemistry from Southwestern Oklahoma State University in 1990. He became board certified in oncology in 1999 and obtained his Pharm.D. degree from Idaho State University in 2009. Dr. Liticker joined UT Southwestern in 2007 where he oversees clinical and financial operations of the pharmacy and established the hematology/oncology subcommittee. Dr. Liticker has served on the Institutional Review Board, Cancer Center Research Committee, Drug Safety and Monitoring Board, Protocol Review and Monitoring Committee, Pharmacy and Therapeutics Committee, and the Hematology/Oncology Subcommittee. Jeff is also active in several professional organizations including the American Society of Clinical Oncology (ASCO), American College of Clinical Pharmacy (ACCP), DFW-ACCP, American Society of Health System Pharmacy (ASHP), Texas Society of Health System Pharmacy (TSHP), Metroplex Society of Health System Pharmacy (MSHP), and the Hematology/Oncology Pharmacy Association (HOPA). He created and currently serves as president of Oncology Pharmacy and Education Services (OPES), a local professional pharmacy organization focused on oncology education

Robert Portinari, Pharm.D., BCPS

Pharmacy Clinical Coordinator of Infectious Disease/ Antibiotic Stewardship Service

UT Southwestern Clements University Hospital

Robert Portinari, PharmD, BCPS received his BS Biology (minor in Chemistry) from the University of New Orleans in 1995 and Doctor of Pharmacy from Xavier University of Louisiana in 2001. Dr. Portinari completed his PGY1 pharmacy practice residency at Baylor University Medical Center in Dallas, TX in 2002. He became a Board Certified Pharmacotherapy Specialist (BCPS) in 2002 and has maintained this status. He stayed on as a Critical Care Clinical Pharmacy Specialist for the next 8 years serving as PGY1 residency coordinator and one year as the PGY2 critical care pharmacy residency director. He joined UTSW in 2010 as the Antimicrobial Stewardship Clinical Coordinator and Infectious Diseases Pharmacist. He completed a certificate program in MAD-ID for Antimicrobial Stewardship in 2010.