



Texas Tech University Health Sciences Center
School of Pharmacy
Dallas/Fort Worth Regional Center

Department of Veterans Affairs
North Texas Health Care System
Dallas, Texas



ASHP-Accredited Postgraduate Year Two (PGY2) Ambulatory Care Pharmacy Residency

Program Director:
Krystal L. Edwards, Pharm.D., BCPS

Overall Purpose:

Graduates of the PGY2 residency program are prepared to practice as clinical pharmacy specialists positions in a variety of ambulatory care settings and to serve as a non-tenured faculty member at a school of pharmacy.

Philosophy:

The ASHP- accredited PGY2 specialty residency in Ambulatory Care at Texas Tech University Health Sciences Center School of Pharmacy Dallas/Ft. Worth Regional Campus is designed to produce practitioners who exhibit excellence in pharmaceutical care in Ambulatory Care practice settings. An Ambulatory Care Pharmacotherapy 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 Ambulatory Care 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 professionals through experiences in teaching, research, and professional activities.

General Description:

The 12-month program is designed to lead the resident through a variety of longitudinal practice experiences. By the end of the program, the resident should feel competent practicing within a variety of outpatient settings involving Ambulatory Care pharmacotherapy. The residency includes core rotations that are chosen to establish a strong base in Ambulatory Care. Core Ambulatory Care disease states within this residency include diabetes mellitus, hypertension, anticoagulation, coronary artery disease, heart failure, and hyperlipidemia. 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 Ambulatory Care Pharmacy Practice.

Program Goals:

Practice Excellence

- Develop a mastery of knowledge base in Ambulatory Care pharmacotherapy
- Develop solid patient care skills in the ambulatory chronic care settings
 - ◆ Should achieve excellence in core Ambulatory Care 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 Ambulatory Care Pharmacotherapy
- Interpret and disseminate knowledge in Ambulatory Care 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 Ambulatory Care Pharmacy Residency Educational Goals and Objectives**.

Program Activities:

The residency experiences are divided into half-day blocks (total of 10 half-days per week). All rotations are offered as longitudinal experiences with each rotation offered in quarterly blocks. The resident is required to take all of the Required Rotations in each of the quarters. However, the Elective Rotations only run for the specific quarter the resident is assigned (but these may be repeated in subsequent quarters if more experience in that specific area is desired). All longitudinal experiences are completed at the Dallas/Fort Worth VA Medical Center (VAMC) unless otherwise noted below.

Required Rotations (50-70% of time the entire year unless otherwise stated)

- Pharmacotherapy Clinics - Dallas and Fort Worth (2 to 3 - ½ days a week)
- Anticoagulation Class (6 months - ½ day a week)
- Cardiology Clinic (½ day per week)
- Pediatric Diabetes Camp (1 week in June)
- Research Project Development / Administrative Time (1 to 2 - ½ days a week)

Elective Rotations

- Anticoagulation Clinic
- Diabetes Clinic: Adult (multidisciplinary clinic)
- Geriatrics Clinic
- GI Clinic: Transplant/Hepatitis C (multidisciplinary clinic)
- Hematology/Oncology Outpatient Clinic (multidisciplinary clinic)
- HIV Outpatient Clinic (multidisciplinary clinic)
- Pain Management Clinic (multidisciplinary clinic)
- Renal Clinic (multidisciplinary clinic)
- Women's Health Primary Care Clinic (multidisciplinary clinic)

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 shall be required. 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 monthly with all ambulatory care faculty members invited 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 VANTHCS pharmacy staff and TTUHSC faculty in the fall.

Manuscript Preparation

Residents are required to submit one manuscript 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 with an optional podium presentation at Texas Tech UHSC School of Pharmacy Research Days. In addition, a presentation at a national (preferred) or state professional meeting is encouraged.

Student Interviews

Residents will participate in the interview process for applicants to the Texas Tech UHSC School of Pharmacy.

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 Ambulatory Care 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

Lisa M. Chastain, Pharm.D., BCPS

2012-2013 PGY2 Ambulatory Care Residency Program Director

Assistant Professor

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Krystal L Edwards, Pharm.D., BCPS

2011-2012 PGY2 Ambulatory Care Residency Program Director

Associate Professor

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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.



Texas Tech Residency Class of 2012

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.



The Fort Worth VA Outpatient Clinic is approximately 239,000-square foot located on a 24-acre site at I-20 and Campus Drive, south of downtown Fort Worth. This new clinical development is the largest leased space in the Department of Veterans Affairs and includes surgical procedure rooms and outpatient recovery rooms in a state-of-the-art facility



with overall design characteristics representative of the Fort Worth area. Services include primary care, mental health, dental, ophthalmology, optometry, laboratory, radiology, audiology, non-sedative surgery, orthopedics, podiatry, social work, EKG, physical therapy, pharmacy, ENT, home based primary care, endoscopy, methadone clinic, and women's clinic, as well as CT, MRI and mammography services.

Program Leadership:



Krystal L. Edwards, Pharm.D., BCPS

Associate Professor of Pharmacy Practice
Specializing in Primary Care
PGY2 Ambulatory Care Residency Program Director

Practice Site: VA North Texas Health Care System
Fort Worth Ambulatory Care Outpatient Clinic

Dr. Edwards is an Associate Professor and has been a faculty member since 2002 specializing in Primary Care at the Dallas/Fort Worth Campus. She is responsible for teaching didactic lectures, case-based learning, and is a clerkship preceptor. Dr. Edwards completed her Pharmacy Practice Residency at Baptist Memorial Healthcare in Memphis, Tennessee and a Specialty Residency in Primary Care Pharmacy Practice at the University of Tennessee Medical Center in Knoxville, Tennessee. She received her Board Certified Pharmacotherapy Specialist (BCPS) recognition in December 2003. Dr. Edwards is the residency program director for the Dallas/Fort Worth PGY2 Ambulatory Care Specialty Residency.

Dr. Edwards currently practices at the VA North Texas Health Care System in the Ambulatory Care Outpatient Clinic in Fort Worth. There, she actively participates in managing patients in the areas of diabetes mellitus, hypertension, heart failure, coronary artery disease, and hyperlipidemia. It is at this site that she precepts VANTHCS Residents and third and fourth year doctor of pharmacy students from the Texas Tech University Health Sciences Center School of Pharmacy experiential programs. Dr. Edwards was recently recognized as the DFW Preceptor of the Year (2010-2011) by the students of TTUHSC SOP.

Dr. Edwards has been an invited lecturer at Keio, Kitasato, and Kyoritsu University of Pharmacies in their Bachelor of Science and Master of Science pharmacy programs in Tokyo, Japan as well as served as a preceptor for the Kyoritsu international exchange program at Texas Tech. She has been an invited lecturer at Khon Kaen University of Pharmacy in Khon Kaen, Thailand for their Bachelor of Science program.

Dr. Edwards' research interests include diabetes, heart failure, and primary and secondary cardiovascular risk factor reductions (e.g. hypertension, hyperlipidemia, heart failure, anticoagulation, metabolic syndrome, and diabetes).

Dr. Edwards is actively involved in several organizations including the American College of Clinical Pharmacy (ACCP), the American Society of Health System Pharmacists (ASHP), the Texas Society of Health System Pharmacists (TSHP), the Dallas/Fort Worth ACCP Chapter and the National Lipid Association (NLA). She has served ACCP locally as the Membership Chair, Education Coordinator, and Secretary of the Dallas/Fort Worth ACCP Chapter. She has served nationally on the networking and education committees for the Ambulatory Care prn and has chaired the networking and nominations committee for the Endocrine & Metabolism prn for 2 years. She has served as the past Secretary/Treasurer and Chair for the Endocrine & Metabolism prn. She was on the ACCP Task Force on Residencies for 2010-11. Dr. Edwards has served as a practitioner surveyor for ASHP accreditations of PGY2 Ambulatory Care Residency programs. She is also active in the Dallas American Diabetes Association (ADA) where she serves on the planning committee for the local ADA camps. Dr. Edwards has been a member of the Southwestern Residency Leadership Conference Advisory Council.

Current Resident:

Crystal Rendon, Pharm.D. (2011-2012)



Dr. Rendon is currently the Ambulatory Care PGY2 resident at Veterans Affairs North Texas Health Care System (VANTHCS) and Texas Tech University Health Sciences Center School of Pharmacy (TTUHSC SOP). Dr. Rendon received her Doctor of Pharmacy from TTUHSC SOP in May 2010, and then completed her Pharmacy Practice Resident VANTHCS. Her current residency project is focused on the safety and efficacy of ranolazine therapy in veteran patients.

Dr. Rendon is the Dallas-Fort Worth/Abilene Chief Resident for TTUHSC SOP. She also is currently a member of the American Society of Health-System Pharmacists (ACCP), the American Pharmacists Association, Kappa Psi Pharmaceutical Fraternity, American College of Clinical Pharmacy and the Dallas-Ft. Worth ACCP Chapter where is she is one of the resident liaisons. Her professional interests include outpatient pharmacy practice with a focus on chronic disease state management of patients with diabetes, hypertension, dyslipidemia and cardiovascular disease. After completion of the PGY2 residency, she plans to pursue a career in ambulatory care clinical pharmacy working in a collaborative practice clinic. During

her free time, she enjoys spending time with close friends and family, mixed martial arts, sports, music, and anything arts/crafts.

Past Residents:

Marissa Escobar Quinones, Pharm.D. (2005-2006)



Dr. Quinones is a Clinical Pharmacy Specialist in Primary Care at Parkland in Dallas, Texas working with indigent care patients. She received her Doctor of Pharmacy from the Texas Tech University Health Sciences Center School of Pharmacy in 2004. She completed a pharmacy practice residency at the Dallas VA Medical Center in 2005. Her residency project was the evaluation of first-line therapy for the treatment of hypertension using thiazide diuretics as recommended by JNC VII guidelines. Dr. Quinones was also the chief resident for the Dallas/Fort Worth residency programs during her PGY1 residency.

Lisa Chastain, Pharm.D., BCPS (2006-2007)



Dr. Chastain is an Assistant Professor at Texas Tech UHSC School of Pharmacy and practices at the VA North Texas Health Care System in the Primary Care Outpatient Clinic in Fort Worth., She received her Bachelor of Science in Biology in 2001 from Baylor University and received her Doctor of Pharmacy in 2005 from the University of Houston College of Pharmacy. She completed her Pharmacy Practice Residency and Ambulatory Care Specialty Residency at the VA North Texas Healthcare System/ Texas Tech UHSC School of Pharmacy in Dallas. Her pharmacy practice residency project involved provider profiling and education at the Veterans Affairs North Texas Health Care System. Her ambulatory care residency project involved ezetimibe use in HIV+ patients with dyslipidemia. Dr. Chastain was also the chief resident for the Dallas/Fort Worth residency programs during her PGY2 residency. .

Nicole (Russell) Lee, Pharm.D., CDE (2007-2008)



Dr. Lee works at John's Pharmacy, an independent pharmacy, providing Medication Therapy Management service, Diabetes Education, and nursing home consultation. She precepts Pharm.D. students for the University of Missouri Kansas City, School of Pharmacy at her site. Dr. Lee received her Doctor of Pharmacy in 2006 from Midwestern University College of Pharmacy-Glendale. She completed a Pharmacy Practice Residency in 2006/07 at the University of New Mexico Hospitals in Albuquerque, New Mexico. Her ambulatory care residency project looked at combination therapy of thiazolidinedione and fibrates on HDL concentrations. Dr. Russell is an active member of American Association of Diabetes Educators, American Pharmacist's Association and a member of Phi Lambda Sigma.

Lauren Snodgrass, Pharm.D. (2008-2009)



Dr. Snodgrass is an Ambulatory Care Clinical Pharmacist at the Robert J. Dole Veterans Affairs Medical Center in Wichita, Kansas. She received her Bachelor of Science in Microbiology degree from the University of Oklahoma in 2003, and her Doctor of Pharmacy in 2007 from the University of Oklahoma Health Sciences Center. She completed a Pharmacy Practice Residency in 2008 and an Ambulatory Care Specialty Pharmacy Residency in 2009 at the VA North Texas Healthcare System/Texas Tech UHSC School of Pharmacy in Dallas.

Dr. Snodgrass's Pharmacy Practice resident project was "Comparison of LDL-Lowering Effects in Patients Taking Ezetimibe 10mg and 5mg," and her Ambulatory Care resident project involved examining effects of combined antiretroviral and atypical antipsychotic therapy on lipid and glucose metabolism. Dr. Snodgrass was also the chief resident for the Dallas/Fort Worth residency programs during her PGY2 residency. She is a member of the American Society of Health-System Pharmacists, the American College of Clinical Pharmacy, and the Rho Chi Honor Society.

Robert Rangel, Pharm.D., BCPS (2009-2010)



Dr. Rangel is a Clinical Pharmacy Specialist in Ambulatory Care with Presbyterian Medical Group in Albuquerque, NM. Dr. Rangel received his Doctor of Pharmacy in 2008 from the University of New Mexico College of Pharmacy. He completed a Pharmacy Practice Residency in 2008-2009 at The Brooklyn Hospital Center in Brooklyn, New York. Dr. Rangel's pharmacy practice resident project was a "Pharmacist Intervention In the Management of Uncontrolled Hypertension". Dr. Rangel then completed his PGY2 Ambulatory Care Residency with TTUHSC/VANTHCS. His ambulatory care resident project involved examining the safety and efficacy of ranolazine for the treatment of refractory angina in a veterans population. Dr. Rangel's practice interests include cardiology and diabetes. He is a member of the American Society of Health-System Pharmacists and the Rho Chi Honor Society.

Katura Thomas, Pharm.D. (2009-2010)



Dr. Bullock is a Clinical Pharmacist at Methodist Dallas Medical Center. She received her Doctor of Pharmacy in 2008 from the Xavier University of Louisiana College of Pharmacy. She completed a Pharmacy Practice residency in 2009 and an Ambulatory Care specialty residency at the VA North Texas Health Care System/Texas Tech University Health Sciences Center School of Pharmacy in Dallas. Dr. Thomas's pharmacy practice resident project was an "Evaluation of Dihydropyridine Calcium Channel Blockers on Risk of Alzheimer's Disease". Her ambulatory care resident project involves examining race as a factor for intensification of diabetes medications. Dr. Thomas actively participates in several professional organizations, including the Dallas/ Fort Worth chapter of the American College of Clinical Pharmacy, Kappa Psi Pharmaceutical Fraternity, Inc. and the Rho Chi Honor Society.

Leena Deshpande, Pharm.D. (2010-2011)



Dr. Deshpande is a Clinical Pharmacy Specialist in Ambulatory Care at The Johns Hopkins Hospital in Baltimore, MD. She received her Bachelor of Science degree in Human Biology from the University of Texas at Austin in May 2005. She went on to pursue her Doctor of Pharmacy degree from Midwestern University – Chicago College of Pharmacy, graduating with honors in March 2009. She completed her PGY1 Pharmacy Practice Residency and PGY2 Ambulatory Care Residency at the Veterans Affairs North Texas Health Care System and Texas Tech University Health Sciences Center School of Pharmacy in Dallas, TX. Her professional interests include chronic disease state management with a focus on diabetes, hypertension, dyslipidemia, and cardiovascular disease. Dr. Deshpande's PGY2 residency research project focused on investigating the impact of patient weight on antihypertensive drug responsiveness, specifically with the angiotensin converting enzyme inhibitor Lisinopril. Dr. Deshpande is currently a member of the American Society of Health-System Pharmacists and the American College of Clinical Pharmacy. During her spare time, she enjoys traveling, reading, and spending time with her

family and friends.

Anjali Patel, Pharm.D. (2010-2011)



Dr. Patel is a staff pharmacist at Convenient Care Pharmacy in Springfield, Missouri where she will be responsible for implanting primary care wellness programs including diabetes, dyslipidemia and hypertension screenings as well as education on diet and exercise. She received her Doctor of Pharmacy degree from The University of Texas at Austin in May 2009, graduating with University Honors. She completed a Pharmacy Practice Residency (2009-2010) and Ambulatory Care Residency (2010-2011) at the Veterans Affairs North Texas Health Care System and Texas Tech Health Sciences Center School of Pharmacy in Dallas, Texas.. Dr. Patel's pharmacy practice residency project focused on the safety and efficacy of rosuvastatin in HIV patients receiving NNRTI-based HAART therapy and her ambulatory care residency project focused on evaluating the effect of weight on drug responsiveness of simvastatin with respect to lipid lowering capacity. Her practice interests include HIV, diabetes and lipid management. She is currently a member of the American Society of Health-System Pharmacists and the American College of Clinical Pharmacy. During her free time, she enjoys traveling, watching movies, and spending time with family and friends.

Pharmacy Preceptors:



April Allen, Pharm.D., CACP
Clinical Pharmacy Specialist

Practice Site: VA North Texas Health Care System
Dallas Ambulatory Care Outpatient Clinics - Anticoagulation

Dr. Allen is a Clinical Pharmacy Specialist in Ambulatory Care at the Dallas VA Medical Center. Dr. Allen received her Doctor of Pharmacy degree from the University of Tennessee in 2002. She completed a Pharmacy Practice with Ambulatory Care Emphasis Residency at the Regional Medical Center in Memphis, Tennessee in 2003. She was faculty with Texas Tech UHSC School of Pharmacy from 2004 to 2011 in the primary care division working at the Dallas VA Medical Center in the Ambulatory Care Clinics and Protimed Clinic. Dr. Allen's primary interests are anticoagulation, diabetes, hypertension, and hyperlipidemia.



Carlos A. Alvarez, Pharm.D., M.Sc., BCPS
Assistant Professor of Pharmacy Practice

Dr. Alvarez is an Assistant Professor of Pharmacy Practice. He received his Doctor of Pharmacy from Texas Tech University Health Sciences Center School of Pharmacy in 2004 and Master of Science in Advanced Pharmacotherapeutics and Research from The University of Texas at Austin in 2006. In conjunction with his M.S. degree, Dr. Alvarez completed a two-year Pharmacotherapy residency at The University of Texas Health Science Center in San Antonio. In 2007, he became Board Certified as a Pharmacotherapy Specialist.

In 2009, Dr. Alvarez was selected as one of nine National Institutes of Health (NIH) Clinical Research Scholars. He is currently working closely with investigators at the University of Texas Southwestern Medical Center on the development of a pharmacovigilance system to predict outcomes within a hospital system.

He is an active member of American College of Clinical Pharmacy, American Society of Health System Pharmacists, American Pharmaceutical Association, National Lipid Association, and the American Diabetes Association.



Amie Taggart Blaszczyk, Pharm.D., CGP, BCPS, FASCP
Assistant Professor of Pharmacy Practice
Specializing in Geriatric Pharmacotherapy
PGY2 Geriatric Pharmacotherapy Residency Program Director

Practice Site: VA North Texas Health Care System
Dallas Geriatric Outpatient Clinic

Dr. Blaszczyk is an Assistant Professor of Pharmacy Practice specializing in the unique pharmacotherapeutic needs of older individuals. She earned her Doctor of Pharmacy degree from Duquesne University in Pittsburgh, Pennsylvania. Dr. Blaszczyk completed a pharmacy practice residency at the Clement J. Zablocki VA Medical Center in Milwaukee, Wisconsin, as well as a Specialty Residency in Geriatric Pharmacotherapy from the University of Maryland School of Pharmacy in Baltimore, Maryland. She earned her Certified Geriatric Pharmacist (CGP) certification in November 2005 and became a Fellow of the American Society of Consultant Pharmacists in December 2006. She earned her BCPS in 2007. Dr. Blaszczyk is the residency director of the ASHP-accredited PGY2 Geriatric Pharmacotherapy residency on the Dallas-Fort Worth campus. She is also the Division Head for the Geriatrics Division at Texas Tech.

Dr. Blaszczyk currently maintains a Geriatrics clinic at the VA North Texas Health Care Center. There, she ensures the principles of geriatric pharmacotherapy are enlisted with each clinic patient. She performs drug regimen reviews, meets with each patient to discuss and document their medication regimen (prescription, non-prescription and herbal products), and provides drug information and therapeutics management for a variety of disease states. She is also involved in the training of the UTSW Geriatrics Fellows.

She is a member of the American Society of Consultant Pharmacists, the American College of Clinical Pharmacy, and the American Society of Health-Systems Pharmacists. She has held many committee appointments within these organizations. Locally, she is a member of the DFW College of Clinical Pharmacy and is a past president of this organization. She also sits on the Medical Advisory Board of the North Texas chapter of the American Parkinson Disease Association, writes a column for their quarterly newsletter and was recently named the 2009 Marvin Marks Volunteer of the Year.

Dr. Blaszczyk's primary research interests include the motor and non-motor aspects of Parkinson's disease, as well as other neurodegenerative diseases affecting older individuals.



Lisa Chastain, Pharm.D., BCPS

Assistant Professor of Pharmacy Practice
Specializing in Primary Care

Practice Site: VA North Texas Health Care System
Fort Worth Ambulatory Care Outpatient Clinic

Dr. Chastain is an Assistant Professor in Primary Care with her practice site at the VA North Texas Health Care System (VANTHCS) at the Fort Worth Outpatient Clinic, Dr. Chastain focuses care in drug therapy management in the area of diabetes, hypertension, hyperlipidemia, heart failure, and coronary artery disease. Dr. Chastain was recognized as DFW Preceptor of the Year (2008-2009) by the students of TTUHSC SOP.

Dr. Chastain received her Bachelor of Science degree in Biology from Baylor University in 2001 and her Doctor of Pharmacy degree from the University of Houston College of Pharmacy in May 2005. Dr. Chastain has since completed both a Pharmacy Practice and Primary Care Specialty Residency with the Veterans Affairs North Texas Medical Center and Texas Tech Health Sciences Center School of Pharmacy in Dallas, Texas from 2005-2007. She also earned her BCPS in 2007.

During residency, Dr. Chastain's research interests included: pharmacy directed profiling among VANTHCS Ambulatory Care providers and evaluating the efficacy and safety of the use of ezetimibe in HIV-positive patients at VANTHCS. Dr. Chastain is an active member of National Lipid Association, American College of Clinical Pharmacy and Texas Society of Health System Pharmacists. Additionally, she is active in the local American Diabetes Association (ADA) where she has helped to organize/manage screenings at local diabetes expos and volunteered at a local ADA camps. She has served ACCP locally as the Membership Chair and Secretary/President-Elect of the DFW chapter and is the current President for 2010-2011. She has served nationally on the networking committee of the Endocrine & Metabolism PRN.



Susan Duquaine, Pharm.D., BCPS
Clinical Pharmacy Specialist
PGY2 Infectious Disease Residency Program Director

Practice Site: VA North Texas Health Care System
HIV Outpatient Clinic

Dr. Duquaine is an Advanced Practice Pharmacist in Infectious Diseases at the Veterans Affairs North Texas Medical Center in Dallas, Texas. She is also affiliated as an Associate Clinical Professor with the University of Florida College of Pharmacy and an Adjunct Clinical Assistant Professor with the Texas Tech University Health Sciences Center School of Pharmacy. Dr. Duquaine received her Bachelor of Science and Doctor of Pharmacy degrees from the University of Florida in Gainesville, Florida and completed an ASHP accredited Specialty Residency in Critical Care at the Veterans Affairs North Texas Healthcare System and Texas Tech University Health Sciences Center School of Pharmacy in Dallas. She obtained Board Certification in Pharmacotherapy in 2007.

Dr. Duquaine's practice primarily focuses on the inpatient management of infectious diseases, antimicrobial stewardship, and HIV pharmacotherapy. She is an active member in several professional organizations including the American College of Clinical Pharmacy, the Society of Infectious Diseases Pharmacists, and the Infectious Diseases Society of America.



Shane Greene, Pharm.D., BCPS, CDE
Associate Professor of Pharmacy Practice
Specializing in Primary Care

Practice Site: VA North Texas Health Care System
Dallas Ambulatory Care Outpatient Clinics

Dr. Greene is an Associate Professor Specializing in Primary Care and is also an Adjunct Professor at Texas Woman's University College of Graduate Nursing, where he teaches pharmacotherapeutics to graduate students in the Advanced Nurse Practitioner Program. Dr. Greene received his B.S in Biomedical Science from Texas A&M University and his Doctorate of Pharmacy from the University of Texas at Austin in cooperation with the University of Texas Health Science Center at San Antonio. Dr. Greene completed his Pharmacy Practice Residency at the Cleveland Clinic Foundation in Cleveland, Ohio and a Specialty Residency in Primary Care Pharmacy Practice at the South Texas Veterans Health Care System in San Antonio, Texas in conjunction with the University of Texas at Austin and the University of Texas Health Science Center at San Antonio. He received his Board Certified Pharmacotherapy Specialist (BCPS) recognition in December 2003 (recertified in 2010) and was recognized as a Certified Diabetes Educator (CDE) from October 2004-2009.

Dr. Greene currently practices as a Clinical Pharmacy Specialist at the VA North Texas Health Care System in the Ambulatory Care and Cardiology Outpatient Clinics in Dallas. There, he actively participates in managing patients in the areas of diabetes mellitus, hypertension, hyperlipidemia, heart failure and angina. Dr. Greene's Ambulatory Care practice site has been recognized as a site of learning excellence in experiential education through the awarding of the national 2007 American Association of Colleges of Pharmacy's Crystal APPLE (Academic-Practice Partnerships for Learning Excellence) Award.

His primary areas of research include antianginal medications efficacy and safety, diabetes mellitus and hypertension management and pharmacy service outcomes.

Dr. Greene currently serves as a member of the Texas Diabetes Council's Medical Professionals Advisory Subcommittee. He is currently the Vice Chair for the Council on Organizational Affairs for the Texas Society of Health System Pharmacists (TSHP) and a past Chair of the Council on Communications Affairs and member of the Editorial Advisory Board of the TSHP Journal. He is also an active member of American College of Clinical Pharmacy and an active volunteer for the Dallas Chapter of the American Diabetes Association.

D. Cole Kildow, Pharm.D., MSHA, CDE



Assistant Professor of Pharmacy Practice
Clinical Pharmacy Specialist in Primary Care

Practice Site: VA North Texas Health Care System
Dallas Ambulatory Care Outpatient Clinics

Dr. Kildow is an Assistant Professor of Pharmacy Practice at Texas Tech University Health Science Center School of Pharmacy and a Pharmacy Practice Clinical Pharmacist in Ambulatory Care at the North Dallas VA Medical Center.

Dr. Kildow received his Doctor of Pharmacy from Texas Tech University Health Sciences Center School of Pharmacy in May of 2008. He completed his PGY1 Managed Care and PGY2 Ambulatory Care residencies with Virginia Commonwealth University in Richmond, Virginia in 2009 and 2010. Dr. Kildow also completed a Master of Science in Health Administration at Virginia Commonwealth University in 2010.



Sachin Shah, Pharm.D., BCOP, FCCP

Associate Professor of Pharmacy Practice
Specializing in Hematology/Oncology

Practice Site: VA North Texas Health Care System
Hematology/Oncology Clinic

Dr. Shah is an Associate Professor of Pharmacy Practice and a hematology/oncology clinical pharmacist at the VANTHCS. Dr. Shah received his Doctor of Pharmacy degree from Texas Tech University HSC School of Pharmacy and completed his Pharmacy Practice Residency at the Baptist Health System in San Antonio, Texas. Thereafter, he completed specialty residency in Hematology/Oncology at the South Texas Veterans Health Care System, Audie L. Murphy division and the University of Texas HSC, San Antonio.

Dr. Shah is a Hematology/Oncology Clinical Specialist at the VANTHCS in Dallas. He is an active member of hematology/oncology in-patient consult service and out-patient clinic. He also serves on Cancer Task Force and Pain Management Committee at the VANTHCS. Dr. Shah has been recognized at State and National levels for his clinical practice. He has been awarded Lewis S. Smith Pharmacy Practitioner Award at Texas Society of Health System Pharmacists (TSHP) in April 2006. He also has received Hematology/Oncology Pharmacy Association (HOPA) Clinical Practice Award at 2nd HOPA Annual meeting.

Dr. Shah has served as a Chair of the Council on Professional Affairs for the Texas Society of Health-System Pharmacists. He was a treasurer to local DFW ACCP chapter, as well. He has multiple peer-reviewed publications in recognized pharmacy and non-pharmacy medical journals. Dr. Shah has served as a reviewer for pharmacy, medical and international journals.



Megan Stapleton, Pharm.D.

Assistant Professor of Pharmacy Practice
Specializing in Primary Care

Practice Site: VA North Texas Health Care System
Dallas Ambulatory Care Outpatient Clinics

Dr. Stapleton is an Assistant Professor of Pharmacy Practice and primary care clinical pharmacist at the North Dallas VA Medical Center. Dr. Stapleton received her Doctorate of Pharmacy degree from The University of Tennessee College of Pharmacy in Memphis, TN. She then completed a PGY1 pharmacy residency, with emphasis in primary care, at the Asheville VA Medical Center in Asheville, NC. Dr. Stapleton completed her PGY2 primary care residency with The University of Tennessee College of Pharmacy/St. Francis Family Practice Center in Memphis, TN. Dr. Stapleton has been with Texas Tech College of Pharmacy since August 2010.

Dr. Stapleton taught in the Drug Review elective and Case Studies course for P3 students, and she precepts P3 and P4 students on ambulatory care rotations. Dr. Stapleton has served on the school's Search Committee and will be serving on the Student Affairs Committee this coming year. Dr. Stapleton is also a member of ACCP.

Dr. Stapleton has research interests in ambulatory care, health outcomes, and complementary and alternative medicine.