



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

### Purpose:

PGY2 pharmacy residency programs build on Doctor of Pharmacy (Pharm.D.) education and PGY1 pharmacy residency programs to contribute to the development of clinical pharmacists in specialized areas of practice. PGY2 residencies provide residents with opportunities to function independently as practitioners by conceptualizing and integrating accumulated experience and knowledge and incorporating both into the provision of patient care that improves medication therapy. Residents who successfully complete an accredited PGY2 pharmacy residency should possess competencies that qualify them for clinical pharmacist and/or faculty positions and position them to be eligible for attainment of board certification in the specialized practice area (when board certification for the practice area exists).

### Philosophy:

The PGY-2 Critical Care Pharmacy Residency at the Texas Tech University Health Sciences Center (TTUHSC) Jerry H. Hodge School of Pharmacy and the Veterans Affairs North Texas Health Care System (VANTHCS) is designed to embrace critical care pharmacy practice in a variety of settings and develop the resident's skills in critical care pharmacy practice, teaching pharmacy students, practitioners, nursing and medical staffs, and conducting clinically-oriented research.

### General Description:

This 12-month residency is designed to give the resident a well-rounded experience in critical care pharmacy practice. The core rotations provide a strong base in critical care fundamentals. Elective rotations are tailored for the resident to meet individual career goals. The focus of the training is to master each of the disease states established within the ASHP Practice Standards for the PGY2 Residency in Critical Care. In addition, residents are appointed as Assistant Instructors for the TTUHSC School of Pharmacy.

### Program Goals:

- To develop well-rounded critical care practitioners who can provide high-level clinical care in a variety of clinical ICU settings, and to develop effective clinical instructors with a desire for sharing knowledge and promoting learning among students
- To promote the desire for pursuing clinically-oriented research to further the knowledge of drug therapy use in the critical care setting

### Program Activities:

#### Required Rotations (9 months)

Orientation (1 month)  
Cardiopulmonary ICU (3 months)  
Surgical/Thoracic ICU (2 months)  
Infectious Diseases (1 month)  
Antibiotic Stewardship (1 month)  
Research/projects (1 month)

#### Possible Elective Rotations (3 months)\*

Neurosurgery ICU  
Trauma ICU  
Pediatric ICU  
Emergency Medicine  
Nutrition Support  
Toxicology/Poison Control  
Repeat of a required rotation

\*Others may be available upon request

### **Teaching Activities:**

Teaching experiences for residents are designed to complement practice activities while allowing the resident to experience a variety of teaching methods. Residents will develop the skills necessary to function in an academic setting by completing the following activities:

#### *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 upon availability and resident interest. Additionally, one formal "Resident Rounds" disease-based presentation will be required for presentation to the VANTHCS pharmacy staff and faculty.

#### *Team- and Problem-Based Learning/Laboratory-Based Learning*

Involvement as a group facilitator in problem-based learning courses is required for residents. The purpose of this course series is to provide specific opportunities for students to apply knowledge from the classroom setting in a hands-on environment. The Clinical Correlations courses allow for reinforcement of foundational concepts, integration of knowledge and skills from multiple courses in relation to the practice of pharmacy, and demonstration of individual student mastery of core objectives. The course focuses on practical application of concepts in science and the practice of pharmacy within an integrated, applied, small-group learning environment. It also emphasizes the relationships between therapeutics, medication safety, and pharmacy operations. Key foundational concepts in science and the practice of pharmacy are also reinforced in the context of advanced scenarios. During the semester, this course meets twice a week for two hours per session. Residents may be scheduled to facilitate up to 16 sessions per semester. Residents will also be required to assist in the development of session materials in collaboration with TTUHSC faculty. The resident may also serve as facilitator within the Sterile Products Laboratory course.

#### *Experiential Teaching*

Clerkship teaching, involving both P3 and P4 student pharmacists, 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 at least one rotation which will include at least two students. Other informal activities, such as leading topic discussions for students, are available and encouraged throughout the year.

#### *Teaching and Learning Certificate Program*

Conducted throughout the residency year, this optional program provides training for residents who are interested in developing their academic skills. The goal of the training program is to supplement a strong clinical background with the skills needed to become a successful educator. 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 pharmacy students. Option to obtain a teaching certificate is available through TTUHSC. Residents also receive instruction on grant writing and research manuscripts. The program also includes innovative discussion topics based upon needs previously identified by new faculty members. Examples include handling difficult students, writing test questions, developing consistent evaluation methods and balancing life outside of career.

#### *Other Educational Opportunities*

Residents will be required to provide education for pharmacy, nursing and medical services as required by preceptors. Residency topic discussions will be held with the Residency Program Director and/or her designee as well as on individual rotations as required and/or requested. One formal presentation at Specialty Resident Journal Club may also be required. Additional opportunities to provide various types of formal and informal education are available and encouraged throughout the residency year. These opportunities include, but are not limited to, case presentations, journal clubs, as well as pharmacy student residency preparation, and interprofessional education.

**Research Project:**

Residents are required to complete an IRB-approved research project. Chosen projects must include generation of original data. Preparation of a final manuscript suitable for publication in a peer-reviewed medical journal is also required in order to receive the residency certificate.

**Other Residency Projects/Requirements:***Quality Improvement Project*

Residents are also required to conduct a quality-improvement project in an area identified by the resident (ex. new/revised policy or procedure, treatment protocol, treatment guidelines, medication use evaluation, etc.) and results presented to the appropriate pharmacy, nursing, and/or medical staff.

*Southwestern Leadership Conference (ALCALDE)*

Residents participate in this regional residency meeting, also known as ALCALDE, in the spring. Residents have the opportunity to present their research project results for evaluation as a podium presentation prior to preparation of the final manuscript. It also serves as an excellent 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 TTUHSC Research Days. In addition, a presentation at national or state professional meeting is encouraged.

*Code Blue Response*

Residents are assigned to the Code Blue Response Team and responsible for attending code blue emergencies within the hospital year-round. Residents are required to become ACLS-certified (provided by the VANTHCS) and receive additional internal pharmacy training prior to attending code blue events.

*Critical Care Committee*

Residents will become a member of the inter-professional critical care workgroup and attend quarterly committee meetings.

*ICU Staffing*

Residents will train and staff in the main and ICU satellite pharmacies at the VANTHCS during orientation. Residents are assigned to the MICU/CCU satellite pharmacy every 4<sup>th</sup> weekend for staffing coverage.

For additional information, please refer to the Accreditation Standards for Critical Care Residency programs:

<https://www.ashp.org/Professional-Development/Residency-Information/Residency-Program-Directors>

**Information for Applicants:****Qualifications:**

Residency applicants must have a Pharm.D. degree from an ACPE-Accredited program, and be eligible for licensure in Texas, and be eligible for preceptorship in Texas Tech University HSC School of Pharmacy. Candidates for the Critical Care Specialty Residency should have completed an ASHP-Accredited PGY1 Residency and be eligible for employment with the Veteran's Administration. Candidates may be required to consent in writing to undergo a background check and possible drug testing prior to employment.

**Application and Deadline:**

All application materials must be submitted via the Pharmacy Residency Centralized Application System (PhORCAS) by January 6<sup>th</sup>, 2019: letter of intent, curriculum vitae, three (3) letters of recommendation forms (located in PhORCAS), and official transcripts from all pharmacy education.

**Contact Information:**

Ashley R. Selby, Pharm.D., BCPS, BCCCP  
PGY-2 Critical Care Pharmacy Residency Program Director  
Assistant Professor of Pharmacy Practice, Adult Medicine Division  
Texas Tech University Health Sciences Center School of Pharmacy  
4500 South Lancaster Drive, Building 7, Rm#119A  
Dallas, Texas 75216  
Phone: 214-358-9002  
Email: ashley.selby@ttuhsc.edu

**Site Information:****VA North Texas Healthcare System**

The practice site for this residency is the Dallas VA Medical Center (VAMC). The Dallas VAMC is a 300+ bed acute care medical center located in south Dallas. It is a central referral center for the VANTHCS and is a major teaching and medical research center for both the University of Texas Southwestern Medical School (UTSW) and the TTHSC School of Pharmacy. The Dallas VAMC has a 48-bed Intensive Care area within the Clinical Addition, a state-of-the-art building that was completed in 1998. Intensive Care Units are



divided into the Surgical ICU, Thoracic ICU, Medicine ICU, and Cardiology ICU. Each of the four Intensive Care Units have computerized medical charts, medical administration records (MAR), bedside computerized charts for each patient, and physician order entry capabilities, as well as bar code medication scanning. A 50-bed telemetry step-down unit is also housed within the Clinical Addition.

Off-site elective rotations are conducted with residency-trained preceptors at affiliated institutions within the Dallas-Fort Worth Area.

**Texas Tech University Health Sciences Center School of Pharmacy**

The Texas Tech University Health Sciences Center School of Pharmacy graduated its first class in 2000. The main campus for the school of pharmacy is located in Amarillo, and Regional Campuses are located in Dallas/Fort Worth (DFW), Lubbock, and Abilene.

The Dallas/Fort Worth Regional campus was established in 1999, and currently resides on two campuses: 1) VANTHCS and 2) UTSW Medical School. Approximately 14 full-time and 25 adjunct clinical faculty as well as 2 distance learning classrooms in DFW support the education and training of 230 students during their four years of pharmacy school. The DFW Campus has residency programs at the VANTHCS in PGY-1 Pharmacy Practice, and PGY-2 residencies in Ambulatory Care, Geriatrics, Infectious Diseases, and Psychiatry; at the Texas Health Dallas Presbyterian Hospital in PGY-1 Pharmacy Practice; at the Texas Health Harris Methodist Fort Worth Hospital in PGY-1 Pharmacy Practice, and at UTSW Hospitals in PGY-2 Oncology. Residents are actively involved in didactic and clinical teaching and helping facilitate Pharm.D. students in problem-based learning courses.



## Program Leadership:



Ashley Selby, PharmD, BCPS, BCCCP

Assistant Professor of Pharmacy Practice, Adult Medicine Division  
Texas Tech Health Sciences Center Jerry H. Hodge School of Pharmacy  
Critical Care Clinical Pharmacy Specialist, VA North Texas Health Care System  
PGY2 Critical Care Pharmacy Residency Program Director

Dr. Selby joined the Adult Medicine Division at TTUHSC School of Pharmacy in January 2019. She practices as a Critical Care Clinical Pharmacy Specialist in the Dallas VA Medical Center Cardiopulmonary ICU. Dr. Selby received her Doctor of Pharmacy degree from Duquesne University Mylan School of Pharmacy in 2013 and completed a PGY-1 Pharmacy Practice Residency at the VA St. Louis Healthcare System in conjunction with the St. Louis College of Pharmacy in 2014. She went on to establish emergency medicine pharmacy services at University Health Shreveport before moving on to expand critical care pharmacy services to the Surgical/Trauma and Neuro ICUs within the facility. After moving to Dallas, she practiced briefly within the MICU and SICU at UTSW Clements University Hospital before joining TTUHSC and practices PRN within the ED and ICU at John Peter Smith Hospital in Fort Worth. Dr. Selby's research interests include PK/PD in critically ill and obese patients, sepsis/shock, antimicrobial stewardship, and steroid use in the ICU. She is an active member of the Society of Critical Care Medicine and its Texas Chapter along with the American College of Clinical Pharmacy.



Steven Pass, PharmD, FCCM, FCCP, FASHP, BCPS

Professor of Pharmacy Practice and Vice Chair for Residency Programs  
Dallas Campus Regional Dean, TTUHSC School of Pharmacy  
Advanced Practice Pharmacist in Critical Care, VA North Texas Health Care System

Dr. Pass received his B.S. in Biology in 1992 from the University of Kentucky, and his B.S. Pharm (1995) and PharmD (1996) from the UK College of Pharmacy. He completed a pharmacy practice residency at Baptist Memorial Hospital in Memphis, TN and a critical care residency at the University of Cincinnati Hospital in Cincinnati, OH. He currently serves as a Professor and Vice Chair for Residency Programs at the TTUHSC School of Pharmacy, and is the Dallas Campus Regional Dean. Dr. Pass is very active in residency training, serving as an instructor for the ASHP Residency Learning System, an ASHP accreditation site surveyor, and is a former member of the ASHP Commission on Credentialing. He is also very active in professional organizations including ASHP, ACCP, AACCP, TSHP and SCCM, and is a former Chair of the ACCP Critical Care PRN and the SCCM Clinical Pharmacy and Pharmacology Section. For his work in critical care he was inducted as a Fellow of the American College of Critical Care Medicine in 2006, a Fellow of the American College of Clinical Pharmacy in 2010, and a Fellow of the American Society of Health-System Pharmacists in 2014.



Chelsea Krueger, PharmD, BCCCP

Assistant Professor of Pharmacy Practice, TTUHSC School of Pharmacy  
Advanced Practice Pharmacist in Critical Care, VA North Texas Health Care System

Dr. Krueger received her PharmD from the Texas A&M College of Pharmacy in 2016. She completed her PGY1 Pharmacy Residency at Memorial Hermann-Texas Medical Center in Houston, TX in 2017 and a PGY2 Critical Care Residency at MD Anderson Cancer Center in Houston, TX in 2018. Dr. Krueger practices as an Advanced Practice Pharmacist in Critical Care in the Cardiopulmonary ICU at the North Texas VA Health Care System and as an Assistant Professor at the TTUHSC School of Pharmacy. She is an active member of the Society of Critical Care Medicine and its Texas Chapter. Her research interests include post-cardiac arrest care, drug dosing in continuous renal replacement therapy, and optimization of ICU supportive care.





Jerica L. Goodwin, PharmD, BCPS

ICU Program Manager, VA North Texas Healthcare System  
Advanced Practice Pharmacist, SICU/TICU Intensivist Team

Dr. Goodwin received her PharmD from Florida Agricultural & Mechanical (A&M) University College of Pharmacy in 2001. She completed her Pharmacy Practice Residency at the Denver VA Medical Center in Denver, CO in 2002 and the Critical Care Specialty Residency at the VA North Texas Healthcare System & TTUHSC School of Pharmacy in Dallas, TX in 2003. Dr. Goodwin is currently the ICU Program Manager for the Surgical & Thoracic ICU, & Anesthesiology Department at the Dallas VA Medical Center. She is also a Clinical Assistant Professor at Texas Tech

University School of Pharmacy. Dr. Goodwin's research interests include glycemic control in perioperative patients and drug dosing in bariatric surgery patients. She is an active member of the Dallas-Fort Worth Chapter of American College of Clinical Pharmacy and the Society of Critical Care Medicine.

Tomasz Z. Jodlowski, PharmD, BCPS (AQ-ID), AAHIVP

Clinical Pharmacy Specialist, Infectious Diseases

Dr. Jodlowski is a Clinical Pharmacy Specialist focusing on Infectious Diseases, HIV, PrEP and antimicrobial stewardship at the Veterans Affairs North Texas Medical Center in Dallas, Texas and holds an academic appointment as a volunteer faculty at UT Southwestern Medical Center. He received his Doctor of Pharmacy Degree from St. John's University and completed a PGY1 residency at VA Harbor Healthcare System and a PGY2 in infectious diseases at the James A. Haley VA in Tampa, FL. Dr. Jodlowski served as an associate clinical professor at St. John's University rising to the rank of associate clinical professor with tenure. He returned to the VA Maine HCS in March 2015 as an infectious diseases/HIV/HCV pharmacist and transferred to VA North Texas HCS in July 2016. His professional interests include HIV, PrEP, medication errors and research. Dr. Jodlowski had the opportunity to publish in a number of peer-reviewed journals and present his research at numerous conferences including the Infectious Diseases Society of America annual meeting.

Marcus A. Kouma, PharmD, BCPS

Clinical Pharmacy Specialist, Infectious Diseases

Dr. Kouma is a Clinical Pharmacy Specialist in Infectious Diseases at VANTHCS, practicing in multiple areas of ID, including inpatient consults, antimicrobial stewardship, hepatitis C, and HIV. After receiving his Doctor of Pharmacy degree from the Daniel K. Inouye College of Pharmacy at the University of Hawai'i at Hilo, he went on to complete and ASHP-accredited Pharmacy Practice residency at the Mann-Grandstaff VAMC in Spokane, Washington and a PGY2 Infectious Diseases pharmacy residency at VANTHCS in Dallas. His primary interests are in the areas of antimicrobial resistance, dosing optimization, and antimicrobial stewardship.

Jessica Guastadisegni, PharmD

Clinical Pharmacy Specialist, Infectious Diseases

Dr. Guastadisegni is a Clinical Pharmacy Specialist in Infectious Diseases at the Veterans Affairs North Texas HealthCare System in Dallas, Texas. She received her Doctor of Pharmacy Degree from Texas Southern University and completed a PGY1 residency at Memorial Hermann Memorial City Medical Center and a PGY2 in infectious diseases at the Michael E. DeBakey VA Medical Center. She practices in multiple areas of ID including hepatitis, HIV, inpatient consults, and antimicrobial stewardship.

## Current and Former Residents:

### 2019-2020 PGY2 Critical Care Resident



Charlene Kalani, PharmD received her PharmD from the University of Toledo in 2017. She completed her PGY1 Pharmacy Residency at Corpus Christi Medical Center in 2018. She then worked as a clinical pharmacy specialist at CHRISTUS Spohn Healthcare System in Corpus Christi for a year before pursuing a PGY2 specialty in critical care. Dr. Kalani is a member of ASHP, ACCP, and SCCM. Her research interests include anticoagulation therapy, sepsis management, and cardiovascular emergencies.

### 2016-2017 PGY2 Critical Care Residents



Heidi Michaels, PharmD, BCPS, BCCCP is an ICU Clinical Pharmacy Specialist at Methodist Richardson Hospital in Richardson, Texas. She completed her PGY2 Critical Care Pharmacy Residency and her PGY1 Pharmacy Residency at the VA North Texas Healthcare System in Dallas, Texas. Originally from Plano, Texas, Dr. Michaels received her Doctor of Pharmacy degree from the Texas Tech University Health Sciences Center School of Pharmacy in 2015. Her practice interests include critical care, academia, and infectious diseases. Dr. Michaels is currently a member of Society of Critical Care Medicine, Kappa Psi Pharmaceutical Fraternity, American College of Clinical Pharmacy, American Society of Health-System Pharmacists, and Phi Lambda Sigma. In her free time, she enjoys sailing, yoga, and spending time with her friends and family.



Olga Shvarts, PharmD, BCPS is a Clinical Pharmacy Specialist in the Surgery/Trauma ICU at Medical City Plano in Plano, Texas. Dr. Shvarts received her Bachelor of Arts degree in Biology from the University of Texas at Austin, and went on to complete her Doctor of Pharmacy degree from Texas Tech University Health Sciences Center School of Pharmacy. Dr. Shvarts completed her PGY1 Pharmacy Practice Residency at Abbott Northwestern Hospital in Minneapolis, Minnesota, and her PGY2 Critical Care Pharmacy Residency at the VA North Texas Healthcare System in Dallas, Texas. Her practice interests include critical care, cardiology, emergency medicine, and academia. Dr. Shvarts is currently a member of Society of Critical Care Medicine (SCCM), American College of Clinical Pharmacy (ACCP), and American Society of Health-System Pharmacists (ASHP). In her free time, she enjoys reading, playing tennis, bad reality TV, and road trips with her dog, Dizzy.

### 2015-2016 PGY2 Critical Care Residents



Lauren Adams, PharmD, BCPS, BCCCP is a Clinical Pharmacist in Critical Care at Hendrick Medical Center in Abilene, Texas. Originally from Olden, TX, Dr. Adams received her Bachelor of Science degree in cellular biology from the University of Kansas, and her Doctor of Pharmacy degree from Texas Tech University Health Sciences Center School of Pharmacy. Dr. Adams completed her PGY1 residency and her PGY2 Critical Care Residency at the VA North Texas Health Care System in Dallas, Texas. Her practice interests include critical care, infectious diseases, and academia. Dr. Adams is currently a member of Society of Critical Care Medicine, American College of Clinical Pharmacy, American Society of Health-System Pharmacists, and Texas Society of Health-System Pharmacists. In her free time, she enjoys reading, watching her Kansas Jayhawks, and spending time with family.



Stephy Kuriakose, PharmD, BCPS, BCCCP is a Clinical Pharmacy Specialist in Critical Care at Harris Methodist Hospital in Fort Worth, Texas. She received her Doctor of Pharmacy degree from the University of Houston in May 2013. She completed a PGY1 Pharmacy Practice Residency at Methodist Hospital in San Antonio, Texas, and her PGY2 Critical Care Pharmacy Residency at the VA North Texas Healthcare System in Dallas, Texas. Her professional interests include critical care, infectious disease and academia. She is a member of ACCP, ASHP, and SCCM. During her free time, she enjoys the traveling, trying new eateries and Netflix marathons.

#### **2014-2015 PGY2 Critical Care Resident**



Elizabeth Lee, PharmD, BCPS, BCCCP is a Clinical Pharmacist in Critical Care/Emergency Medicine at St. Luke's Hospital in The Woodlands, Texas. She received her Doctor of Pharmacy from Chicago State University College of Pharmacy, graduating as a salutatorian, and completed PGY1 residency at the Captain James A. Lovell Federal Health Care Center in North Chicago, Illinois. As a clinical pharmacist at St. Luke's, she precepts students and provides clinical services to the adult intensive care unit and emergency medicine. She is currently a member of the Society of Critical Care Medicine, American College of Clinical Pharmacy, and American Society of Health System Pharmacists. On her free time, she enjoys snowboarding, spending time with family and taking road trips.

#### **2013-2014 PGY2 Critical Care Residents**



Jaela Dahl, PharmD, BCPS is a Clinical Pharmacist in Infectious Diseases and the Residency Program Director for the PGY-2 Infectious Diseases Residency at the James A. Haley Veterans' Hospital in Tampa, Florida. She completed the Critical Care Specialty residency at the Veterans Affairs North Texas Health Care System and Texas Tech University Health Sciences Center (TTUHSC) School of Pharmacy in Dallas, Texas. She received her Doctor of Pharmacy degree, magna cum laude, from the University of Florida in 2012, and completed her PGY-1 residency at the James A. Haley Veterans' Hospital in Tampa, Florida. Dr. Dahl is currently a member of the American College of Clinical Pharmacy, the Society of Critical Care Medicine, and The American Society of Health System Pharmacists. Her professional interests include antimicrobial stewardship and sepsis management in medical and surgical ICU patients. Dr. Dahl enjoys being active outdoors, playing tennis, reading, and watching UF Gator sports.



Ruben D. Villanueva, PharmD, BCPS, BCCCP completed his Critical Care Specialty Residency for the Veterans Affairs North Texas Health Care System and Texas Tech University Health Sciences Center (TTUHSC) School of Pharmacy in June of 2014. He is a former fighting Texas Aggie class of 2007, and graduated from TTUHSC School of Pharmacy. Dr. Villanueva completed his PGY1 pharmacy residency at the Medical Center of Aurora in Aurora, CO. Dr. Villanueva is an Assistant Professor at the University of Oklahoma College of Pharmacy, and a trauma ICU pharmacist at the University of Oklahoma Medical Center in Oklahoma City, OK, where he rounds with the trauma ICU team daily. Dr. Villanueva is a member of the American Society of Health System Pharmacists, the American College of Clinical Pharmacy, and the Society of Critical Care Medicine. His professional interests include GI motility disorders in the ICU, VTE prophylaxis in the trauma population, pain/agitation/delirium, healthcare acquired pneumonia, ICP management, toxicology, acute atrial fibrillation, and acute hypertension.



## 2012-2013 PGY2 Critical Care Residents



Katie Gannon Dionne, PharmD, BCPS, BCCCP is currently a Critical Care Pharmacy Specialist at the Denver Health Medical Center in Denver, Colorado. She graduated with distinction from the University of Iowa College of Pharmacy, and completed a PGY1 residency at The Medical Center of Aurora in Aurora, CO where she worked also spent a year post-residency working in critical care pharmacy. Dr. Gannon is currently a member of the American Society of Health System Pharmacists, the American College of Clinical Pharmacy, and the Society of Critical Care Medicine. Her professional interests include critical care, emergency medicine, infectious disease and pulmonary disorders. Upon completion of the residency program she hopes to continue educating students while practicing as a clinical pharmacy specialist in the critical care setting. In her spare time, she enjoys running, skiing, cooking, traveling and trying new restaurants.



Mallory Fiorenza, PharmD, BCPS, BCCCP is currently a Surgical ICU Clinical Specialist and the Residency Program Director for the PGY2 Critical Care Residency at Lee Memorial Hospital in Fort Lauderdale, Florida. She received her Doctor of Pharmacy degree from Albany College of Pharmacy and Health Sciences in New York in May 2011 graduating with cum laud, and completed a PGY-1 residency at the Mayo Clinic in Rochester, Minnesota. In addition to having an interest in critical care, she also enjoys pharmacokinetics, infectious diseases, and research. Dr. Fiorenza is currently a member of the American Society of Health System Pharmacists, the American College of Clinical Pharmacy, and the Society of Critical Care Medicine. In her spare time, she enjoys the company of her dog Bailey, dance, cooking, and spending time with her friends and family.

## 2011-2012 PGY2 Critical Care Residents



Christina Chen, PharmD, BCPS is currently an ICU Clinical Pharmacist in the Medical ICU at John Peter Scott Hospital in Fort Worth, Texas. She received her Doctor of Pharmacy degree from The University of Texas at Austin in May 2010, graduating with highest honors, and completed her PGY-1 Residency at the Veterans Affairs North Texas Health Care System & Texas Tech Health Sciences Center (TTUHSC) School of Pharmacy. At JPS, she precepts pharmacy students in their 4th professional year on their clinical rotations. She is currently a member of the American College of Clinical Pharmacy (ACCP) and the Society of Critical Care Medicine (SCCM). Her professional interests include medical intensive care, cardiology, emergency medicine, and infectious disease.



Carrie Griffiths, PharmD, BCCCP is currently an Assistant Professor at the Wingate University School of Pharmacy, and a Critical Care Pharmacy Specialist in the Medical ICU at the Carolinas Medical Center in Charlotte, North Carolina. She received her Doctor of Pharmacy degree from Wingate University in North Carolina in May 2010, graduating with highest honors, and completed her PGY1 residency at the Central Texas Veterans Health Care System. Her residency research project evaluated the antibiotic therapy for ICU patients with pneumonia. Dr. Griffiths is currently a member of the American Society of Health System Pharmacists, the American College of Clinical Pharmacy, and the Society of Critical Care Medicine. In her spare time, she enjoys traveling, cooking and spending time with family and friends.

## 2010-2011 PGY2 Critical Care Residents



Daisy Chang, PharmD is currently an ICU Clinical Pharmacist at Mainland Medical Center in Houston, Texas. She received her Doctor of Pharmacy degree from the University of California at San Diego in 2009 and completed a PGY1 Pharmacy Practice Residency at Harris County Medical District in Houston, TX in 2010. Her practice interests include emergency medicine and critical care, & cardiology. Dr. Chang is currently a member of the American Society of Health System Pharmacists, the American College of Clinical Pharmacy, and the Society of Critical Care Medicine.



Kunal Patel, PharmD is currently an Emergency Medicine Clinical Specialist at the Northeast Georgia Medical Center and Health system in Atlanta, Georgia. He received his Doctor of Pharmacy degree from The University of Texas at Austin in 2009 and completed a Pharmacy Practice Residency at Baylor University Medical Center at Dallas in 2010. His practice interests include medical intensive care, emergency medicine and infectious diseases. Dr. Patel is currently a member of the American Society of Health System Pharmacists, Texas Society of Health System Pharmacists, the American College of Clinical Pharmacy, and the Society of Critical Care Medicine.

## 2009-2010 PGY2 Critical Care Residents



Carrie Shuman, PharmD is currently a Pharmacy Clinical Coordinator at Brackenridge Medical Center in Austin, TX. She received her Doctor of Pharmacy degree in May 2008 from the University of Houston College of Pharmacy. In 2009 she completed her PGY1 Pharmacy Practice Residency at Harris County Hospital District in Houston, Texas and then graduated from the PGY2 Critical Care Specialty Residency Program with the Veterans Affairs North Texas Health Care System - Dallas and Texas Tech University Health Sciences Center School of Pharmacy in 2010. Her professional interests include medical intensive care, trauma and emergency medicine. Dr. Shuman is currently a member of the American-Society of Health-System Pharmacists, the Society of Critical Care Medicine, and the American College of Clinical Pharmacy.

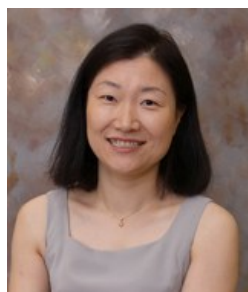


Carrie Tashjian, PharmD is originally from West Bloomfield, MI and received her Doctorate of Pharmacy from Ohio Northern University Raabe College of Pharmacy in 2008. She completed her PGY1 Pharmacy Practice Residency at Parkland Hospital in Dallas, TX in 2009, and then graduated from the PGY2 Critical Care Specialty Resident Program with the Veterans Affairs North Texas Health Care System and Texas Tech University Health Sciences Center School of Pharmacy in 2010. Dr. Tashjian currently resides in Richmond, Virginia where she practices as an Emergency Medicine Clinical Pharmacy Specialist at St. Mary's Hospital. Dr. Tashjian also holds the appointment of Clinical Assistant Professor in the Department of Pharmacotherapy and Outcomes Science of the School of Pharmacy at Virginia Commonwealth University. Her practice interests include sepsis, stroke, and infectious disease. Dr. Tashjian is currently a member of the American Society of Health System Pharmacists, Society for Critical Care Medicine, and the American College of Clinical Pharmacy.

## 2008-2009 PGY2 Critical Care Specialty Residents



Katie Thompson, PharmD, BCPS is currently a Clinical Pharmacy Coordinator in Critical Care at the University of Oklahoma Medical Center in Oklahoma City, OK. She received her Doctor of Pharmacy degree from the University of Oklahoma College of Pharmacy in 2007. She completed a PGY1 Pharmacy Practice Residency at Parkland Hospital in Dallas, TX in 2008, and then graduated from the PGY2 Critical Care Specialty Residency Program with the Veterans Affairs North Texas Health Care System - Dallas and Texas Tech University Health Sciences Center School of Pharmacy in 2009. She completed her Pharmacy Practice Residency at Parkland Hospital in Dallas, TX in 2008. Her practice interests include infectious diseases, critical care, and cardiology. Dr. Thompson is currently a member of the American Society of Health System Pharmacists, the Society of Critical Care Medicine, and the American College of Clinical Pharmacy.



Young Lee, PharmD, BCPS is currently an Assistant Professor in Pharmacy Practice at the Texas Tech University Health Sciences Center and Clinical Pharmacist in Neurosurgical ICU at Hendrick Medical Center in Abilene, TX. Dr. Lee is originally from Seoul, South Korea, received her Doctor of Pharmacy degree in May 2007 from the Western University of Health Sciences at College of Pharmacy in California, and completed PGY1 Pharmacy Practice Residency at the University of Virginia Health System. Dr. Lee completed her PGY2 residency in Critical Care at the Texas Tech University Health Sciences Center in 2009. During her residency year, her research project focused on "Acquisition of resistance in urinary tract organisms infecting spinal cord injury patients." Dr. Lee is currently a member of American Society of Health-Systems Pharmacists, American College of Clinical Pharmacy, and the Society of Critical Care Medicine. Her professional interests include critical care and infectious diseases.

## 2007-2008 PGY2 Critical Care Specialty Residents



Michelle Horan, PharmD, BCPS hails from Gunter, Texas and is currently an Advanced Practice Pharmacist in Surgery at the Veterans Affairs North Texas Health Care System - Dallas and a Clinical Assistant Instructor at Texas Tech University Health Sciences Center School of Pharmacy. She received her Doctorate of Pharmacy from Texas Tech University HSC School of Pharmacy in 2006. She completed her Pharmacy Practice Residency in San Antonio, Texas through the South Texas Veterans Health Care System and University of Texas in 2007. Dr. Horan completed a PGY2 critical care specialty residency at the VA North Texas & TTUHSC School of Pharmacy in 2008. Her practice interests include critical care/surgery and hepatology. Dr. Horan is currently a member of the American Society of Health System Pharmacists, the Society of Critical Care Medicine, and the American College of Clinical Pharmacy. She enjoys traveling, reading, hiking, and photography.



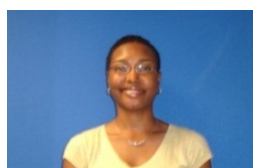
Dominique A. Williamson, PharmD, MSc, BCPS is an Advanced Practice Pharmacist in Internal Medicine and Clinical Assistant Instructor at the Veterans Affairs North Texas Health Care System and Texas Tech University Health Sciences Center School of Pharmacy. Dr. Williamson completed her Doctor of Pharmacy degree at Florida Agricultural and Mechanical University in April 2006. She completed a PGY1 pharmacy practice residency at the Veterans Affairs Medical Center in Memphis, Tennessee and her PGY2 Critical Care Residency at VA North Texas & TTUHSC School of Pharmacy in 2008. Prior to pharmacy school she completed a Master of Science degree in Materials Science and Engineering at the University of Florida and a Bachelor of Science degree in Chemistry from Jackson State University. She is currently a member of the American Society of Health-Systems Pharmacists and the Dallas-Fort Worth Chapter of the American College of Clinical Pharmacy.



## 2006-2007 PGY2 Critical Care Specialty Residents



Brandi C. LaFrance, PharmD, BCPS is a Clinical Pharmacy Manager at Our Lady of Lake Medical Center in Baton Rouge, LA. She previously held the position of Clinical Pharmacy Specialist in the Medical ICU at Tulane University Medical Center in New Orleans, LA. Dr. LaFrance received her Doctor of Pharmacy degree from Xavier University of Louisiana College of Pharmacy in May 2005 and completed her Pharmacy Practice Residency at the Veterans Affairs North Texas Healthcare System in Dallas in June 2006, followed by the Critical Care Specialty Residency, which she completed in 2007. She is an active member of the ASHP, ACCP, SCCM, and Kappa Epsilon Pharmaceutical Fraternity. Dr. LaFrance evaluated the impact of pre-operative intensive insulin infusion on mortality, rates of infection, and ICU length of stay in diabetic patients admitted for cardiothoracic surgery during her Critical Care Residency. Her current practice interests include cardiology and infectious diseases. She also enjoys precepting students. Dr. LaFrance completed the Clinician-Educator Teaching Certificate Program at TTUHSC SOP.



Kendrea (Muldrew) Jones, PharmD, BCPS is an Assistant Professor at University of Arkansas for Medical Sciences College of Pharmacy and Clinical Specialist in the Burn ICU at Arkansas Children's Hospital. Dr. Muldrew received her Doctor of Pharmacy degree from University of Arkansas for Medical Sciences in May 2005 and completed her Pharmacy Practice Residency at Methodist University Hospital in Memphis, TN in June 2006. She completed the Critical Care Specialty Residency at TTUHSC School of Pharmacy & VA North Texas Healthcare System in June 2007. She is an active member of the AACP, SCCM, and ACCP. Dr. Muldrew evaluated the effect of pharmacist involvement on the cardiopulmonary resuscitation team on adherence to ACLS guidelines and outcomes. Her current practice interests include post-surgical intensive care, infectious disease, and pharmacokinetic changes in critically ill patients.

## 2005-2006 PGY2 Critical Care Specialty Resident



Susan M. Duquaine, PharmD, BCPS is Associate Chief of Pharmacy at the VA Hospital in Kansas City, MO. Following completion of the critical care residency program in 2006, she was the Clinical Coordinator at the Medical Center of Lewisville, an Advanced Practice Pharmacist in Infectious Diseases, and the Associate Chief of Pharmacy at the VA North Texas Healthcare System in Dallas, TX. She received her Bachelor's Degree in Pharmacy in 1987 and her PharmD in 2005 from the University of Florida and was presented with the "Outstanding Academic Achievement Award". Susan's resident research project involved measuring outcomes after implementation of an intensive insulin protocol in the Surgical & Thoracic ICUs. Her professional interests include critical care, infectious diseases, and cardiology. She is the primary infectious diseases preceptor at the VANTHCS and a mentor for pharmacy residents pursuing ID-related research projects or developing quality improvement projects and protocols.

## 2004-2005 PGY2 Critical Care Specialty Residents



Stacey Hong, PharmD, BCPS is currently a Critical Care Specialist at the Baylor Irving Hospital in Dallas, TX. She completed the Critical Care Residency with emphasis in Infectious Diseases under the direction of Dr. Brouse & Dr. Hall in 2006. Dr. Hong graduated from the University of Texas at Austin with a bachelor's degree in microbiology, then earned her PharmD from Texas Tech University Health Sciences Center. Stacey holds a strong interest in antibiotic management in the critically ill population, as well as utilization of pharmacokinetic/ pharmacodynamic principles to maximize drug benefit in patients. Her research project focused on the utilization of antibiotics in Ventilator-Associated Pneumonia.

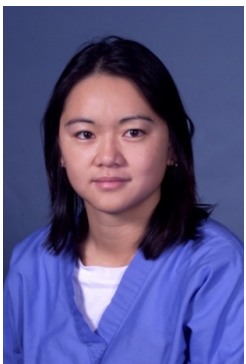




Molly A. Mullin, PharmD, BCPS is originally from Minnesota and received her PharmD from the University of Minnesota in 2003. She completed her PGY1 Pharmacy Practice Residency at the Minneapolis VA Medical Center in 2004 and her PGY2 Critical Care Residency at VA North Texas Healthcare System & Texas Tech University Health Sciences Center in 2005. Currently, she is the Clinical Pharmacy Manager and Residency Program Director at Children's Mercy Hospital in Kansas City, Missouri. Prior to that time, she was an SICU Clinical Pharmacy

Specialist and PGY1 Residency Program Director at Beaumont Hospital in Troy, Michigan. As a resident, she conducted a research project entitled, "A Comparison of Event Rates for Patients Receiving Drug-Eluting Stents versus Bare Metal Stents," and presented it at the 2005 ACCP Spring Practice & Research Forum in Myrtle Beach, SC. It was accepted for publication in the Journal of Pharmacy Technology & published in 2007. She also implemented an intensive insulin protocol within the MICU during her residency year. Molly is a member of ASHP, ACCP, SCCM, and the Greater Kansas City Society of Health-System Pharmacists.

### **2003-2004 PGY2 Critical Care Specialty Resident**



Kathy L. Daoura, PharmD, BCPS graduated from the University of Houston College of Pharmacy with her Doctor of Pharmacy degree in 2001. She practiced as a hospital pharmacist with an emphasis on clinical drug monitoring and patient teaching for 2 years prior to completing the Critical Care Residency in 2004. Dr. Daoura broadened her international perspective during her residency year by presenting her residency research project poster at the joint ACCP-European Society of Clinical Pharmacy meeting in Paris, France in 2003. Following graduation from the residency program, she practiced as a Clinical Coordinator at Methodist Medical Center in Houston, TX and was an active member of the Federal Disaster Medical Relief Team (DMAT) for the state of Texas. She utilized her skills by being one of the first responders to volunteer in New Orleans after Hurricane Katrina in 2005. She is currently taking a break from clinical pharmacy to focus on taking care of her 2 boys.

Dr. Daoura is a member of ASHP, TSHP, ACCP, and SCCM.

### **2002-2003 PGY2 Critical Care Specialty Resident**



Jerica L. Goodwin, PharmD, BCPS is currently the ICU Program Manager & Advanced Practice Pharmacist in SICU/TICU at the VA North Texas Healthcare System and Clinical Assistant Instructor for Texas Tech University Health Sciences Center School of Pharmacy & University of Texas College of Pharmacy. She received her PharmD from Florida Agricultural & Mechanical (A&M) University College of Pharmacy in 2001. She completed her PGY1 Pharmacy Practice Residency at the Denver VA Medical Center in Denver, CO in 2002 and the Critical Care Specialty Residency at the VA North Texas Healthcare System & TTUHSC School of Pharmacy in Dallas, TX in 2003. She was the program's first resident and also Chief Pharmacy Resident in Dallas-Fort Worth. Her professional interests include nutrition support, sedation & analgesia in critically ill patients, and glucose

management in ICU patients.