



PGY1-PHARMACY RESIDENCY

The University of Virginia Health System (UVAHS) offers an American Society of Health-System Pharmacists (ASHP)-accredited PGY1-Pharmacy Residency. During this 12-month program, residents are involved in high-quality patient-centered care, medication use policy, leadership and practice management, project management, education of health care providers and trainees, and participation in medical emergencies. The purpose of the PGY1-Pharmacy Residency is to build on Doctor of Pharmacy (Pharm.D.) education and outcomes to contribute to the development of clinical pharmacists responsible for medication-related care of patients with a wide range of conditions, eligible for board certification, and eligible for postgraduate year two (PGY2) pharmacy residency training.

Residency Benefits

Current resident benefits include:

- Stipend of \$52,520
- Twelve days paid vacation
- Eight days paid holidays
- Allotment of sick and interview days
- Premium medical/dental insurance
- Professional leave to attend meetings (ASHP Midyear and the regional residency conference)

Application Requirements

Applicants must:

- Be enrolled in or a graduate of an ACPE-accredited PharmD program
- Be a licensed pharmacist in the Commonwealth of Virginia by September 1.

Completed application materials must be uploaded into PhORCAS by January 2.

Residency match #: 177913

Program Director Contact Information:

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Michelle W. McCarthy, PharmD, FASHP

Dr. McCarthy is the Pharmacy Education and Graduate Programs Coordinator and the residency program director for the PGY1-Pharmacy residency program at the University of Virginia (UVa) Health System. Additionally, she serves as the residency coordinator for UVa's 11 other pharmacy residency programs and is the Director of the Virginia Commonwealth University School of Pharmacy-UVA Division. Dr. McCarthy earned her Doctor of Pharmacy degree from Mercer University and completed an ASHP-accredited Drug Information Practice Residency at the University of Pittsburgh. Prior to joining UVa, she was a faculty member at Samford University School of Pharmacy. Awards include 1997 Samford University School of Pharmacy Teacher of the Year, 2003 Virginia Society of Health-System Pharmacists (VSHP) Pharmacist of the Year, 2008 Louis P. Jeffrey Preceptor of the Year, 2015 Distinguished Drug Information Practitioner Award by the American College of Clinical Pharmacy DI PRN, and 2018 VCU School of Pharmacy Office of Experiential Education Outstanding Service Award.. She has been the Education Committee Chair, Continuing Education Administrator, and President of VSHP. She served on the ASHP Commission on Credentialing from 2008-2013 including serving as the Chair in 2012 and is a lead contract surveyor for ASHP's Accreditation Services Office.

University of Virginia Health System

The University of Virginia (UVA) Health System, located in Charlottesville, Virginia, embodies the leadership and inventiveness personified by its founder, Thomas Jefferson. Two centuries ago in 1819, Jefferson established the nation's 10th medical school, which has since grown into a nationally renowned academic medical center committed to providing outstanding patient care, educating tomorrow's health care leaders and discovering better ways to treat disease.

UVA Health System received national recognition in the latest *U.S. News & World Report* "Best Hospitals" guide with 9 adult and 6 pediatric medical specialties recognized in 2018. For the third consecutive year UVA Medical Center is ranked as the number one hospital in Virginia. UVA Medical Center has received Magnet® recognition from the American Nurses Credentialing Center (ANCC) for its quality patient care, excellence in nursing care and innovative nursing practices.

The University of Virginia Health System integrates patient care, health education, research, and public service. The Health System consists of the following five entities: the University of Virginia Medical Center, the University of Virginia School of Medicine, the University of Virginia School of Nursing, the Claude Moore Health Sciences Library, and the UVA Physicians Group. UVA Medical Center was honored among the 60 top hospitals for diversity.

The University Community

Charlottesville is a modern, progressive city, filled with old-world elegance and charm, nestled in the foothills of the Blue Ridge Mountains. Charlottesville is famous for its colorful history, distinctive architecture, southern hospitality, and small city sophistication, with an estimated population of 201,599 residing in the greater Charlottesville metro area. Charlottesville has received extensive recognition including: One of America's Best Small Cities for Foodies (Travelocity, 2016), 15 Best Places to Live in the U.S. (#3) (NY Post, 2016), Best Place to Live and Healthiest, Happiest City in the U.S. (#5) (Livability, 2017, The Today Show 2016), Healthiest Small Town in the U.S. (Health Line, 2016), 50 Best College Towns (#7) (College Rank, 2016), Top 100 Best Places to Live (#21) (Livability.com, 2016), #1 Most Beautiful College campus in America (Best College Reviews, 2015).

The Department of Pharmacy

The Department of Pharmacy has a progressive practice model with clinical coordinators and clinical pharmacists that provide extensive, decentralized clinical services throughout the health system. These efforts are supported by computerized prescriber order entry, extensive automation services, a state-of-the-art IV room, barcode medication administration, and an integrated electronic health record. Additionally, UVA Health System includes a Medication Use Policy Service, Investigational Drug Services, Outpatient Infusion Centers, a Children's Hospital, as well as pharmacist-run ambulatory clinics, and outpatient retail pharmacies.

Mission

The UVA Health System Department of Pharmacy Services will provide superlative patient-centered care focused on safe medication practices and innovative education and training.

Vision

The UVA Health System Pharmacy Department is a vital member of the patient care team dedicated to expanding patient care services and leading initiatives to maximize patient safety and improve outcomes. We are a collaborative group focused on providing superlative patient care in the setting of ongoing professional development by all employees, a productive, innovative work environment in which staff are engaged and motivated, and nationally-recognized clinical services and educational/ training programs.

PHARMACY RESIDENCY EXCELLENCE AWARDS

Awards

The UVA PGY1 Pharmacy Residency program has been recognized with the following awards:

- 2017 ASHP Foundation Residency Excellence Program Award
- 2015 ASHP Foundation Residency Expansion Grant (\$40,000)

Preceptors

UVAHS has a large number of highly qualified and committed preceptors. Preceptor bios can be found on our website.

PGY1-Pharmacy Residency Application Requirements

Applicants must:

- Be enrolled in or a graduate of an ACPE-accredited advanced pharmacy program
- Be eligible for licensure in the Commonwealth of Virginia and licensed by September 1

Applicants must upload the following to PhORCAS by the specified deadline:

- Curriculum vitae
 - Include completed and anticipated advanced pharmacy practice experience rotations
 - Include leadership and organizational involvement
- Letter of intent
- Official college of pharmacy transcript
- **THREE** references/ letters of recommendation
 - **ALL** references **MUST** be from preceptors able to speak to clinical problem-solving in direct patient care experiences (not classroom)
 - References must comment on the following characteristics:
 - Ability to organize and manage time
 - Ability to work with peers and communicate
 - Clinical problem solving skills
 - Independence and resourcefulness
 - Willingness to accept constructive criticism
 - Professionalism

Please note: The UVA Health System Pharmacy Residency Program does not sponsor work visas.

PGY1-Pharmacy Residency Program Overview

The 2019-2020 UVA Health System PGY1-Pharmacy Residency will begin on June 18, 2018 and end on June 30, 2020.

Rotations are 5 weeks in duration (except for orientation and the ninth rotation block). Required rotations include: orientation, acute care specialty, ambulatory care, critical care, general medicine, medication use policy, and practice management.

Pharmacy residency policies can be referenced on the UVA pharmacy website at: http://www.medicalcenter.virginia.edu/pharmacy/residency_info

I. PGY1-Pharmacy Residency Rotations

Required Rotations

Orientation- Rotation through various Pharmacy Department areas to understand the various services provided and includes code response, aseptic technique, and electronic health record training

Acute Care Specialty- Rotation in one Acute Care Specialty area (see choices below)

Critical Care- Rotation in one of the Critical Care areas (see choices below)

Medication Use Policy- Rotation in the Medication Use Policy Center

General Medicine- Rotation within in one of the medicine services listed below

Ambulatory Care- Rotation within the pharmacist-driven ambulatory care clinics

Practice Management- Rotation with the Pharmacy Services Administrator/Directors/Managers

Acute Care Specialty

- Benign Hematology
- Emergency Department
- Hematology/Oncology
- Infectious Diseases
- Pediatrics
- Solid Organ Transplantation

Critical Care

- Coronary Care Unit (CCU)
- Medical Intensive Care Unit (MICU)
- Neonatal Intensive Care Unit (NICU)
- Nerancy Neuro Intensive Care Unit (NNICU)
- Pediatric Intensive Care Unit (PICU)
- Surgical Trauma Intensive Care Unit (STICU)
- Thoracic/Cardiovascular Surgery Post-Op (TCVPO)

Ambulatory Care

- Adult Cardiology
- Adult Internal Medicine
- Family Medicine
- Infectious Diseases

General Medicine

- Acute Care Cardiology
- Acute Care Neurology
- Acute Care Surgery
- Adult Internal Medicine

Other Electives

- Informatics
- Medication Safety

Residents will have three rotations (14-15 weeks) available for elective rotations. To maintain compliance with the accreditation standard, no more than 3 rotations can occur in a similar practice area (eg, critical care, pediatrics) and at least two-thirds of the year is spent in direct patient care learning experiences. Additional rotations may be developed based on resident interest and preceptor availability. Between the third and fourth rotation blocks (November and December), residents will have a mixture of research days and mini-rotations.

Mini-rotations are abbreviated experiences (3-10 days in duration) held for a total of 10-15 days in November and December. These abbreviated experiences provide residents with exposure to areas in which 1) they do not have a scheduled rotation; 2) they would like repeat experiences beyond their scheduled rotations; or 3) they

would like a varied experience beyond their scheduled rotations. Additionally, there are select mini-rotations held with services/ departments outside of the pharmacy (ie, nutrition services, toxicology).

II. Research Activities

- a. Completion of a major project is a requirement of the residency. Final reports must be submitted in manuscript style and approved by the Project Advisor and Program Director.
- b. During the first half of the year, each resident will also complete a Medication Use Evaluation or Quality Improvement project. Completed projects will be submitted for poster presentation at the Vizient meeting held in conjunction with the ASHP Midyear Clinical Meeting.

III. Presentation Requirements

- a. Residents are required to provide a platform presentation on the results of their residency research project at the regional residency conference.
- b. Each resident is responsible for presenting one seminar and one technician talk during the course of the residency year. The seminar is ACPE-accredited to provide continuing education (CE) to pharmacists and the tech talk is ACPE-accredited for technician CE.

IV. Professional Leave for Meeting Attendance

- a. Residents will attend the ASHP Annual Midyear Clinical Meeting and the regional residency conference. Base resident stipends were increased to support travel to professional meetings. Residents are responsible for all meeting-related travel expenses using the funds added to the annual stipends.

V. Longitudinal Service

- a. Weekend distributive functions provide necessary training for the resident and are a requirement of the ASHP residency accreditation standard. During the residency year, residents work a total of 416 hours in various areas in the department including IV admixtures, unit dose, and decentralized clinical coverage. The annual service commitment is accomplished through working 16 hours every other weekend and working one major holiday (Thanksgiving and the day after, Christmas Eve and Christmas Day, or New Year's Eve and New Year's Day) and the associated weekend.

VI. Certification

- a. Residents are required to complete ACLS training and certification. This training is offered through the Medical Center at no charge to the resident. Pharmacy residents participate in ACLS training during the orientation period. Residents respond to Code 12 calls during the residency year.

VII. Teaching

- a. Residents have the option of earning a Teaching and Learning Certificate through UVAHS and Virginia Commonwealth University (VCU) School of Pharmacy.
- b. All residents serve as laboratory teaching assistants and co-preceptor students on clinical rotations.

VIII. Advisors

- a. Each resident is matched with an advisor for the duration of the residency year. Matches are organized by the program director and are based on the career goals, specialty practice area interests, or other interests of the resident. Advisors serve as resources and mentors to the residents.
- b. Residents will also have a primary preceptor for each of their required presentations as well as their quality improvement and research projects. Residents and the program director identify appropriate preceptors for these requirements based on the topic.

2018-2019 PGY1 Residents

PGY1-Pharmacy Residents

Mary Lewis Griffin

Hometown: Columbia, SC

Undergraduate Education: Wofford College; B.S. Biology

Pharmacy School: South Carolina College of Pharmacy, MUSC

Quality Project: Evaluation of antipsychotic therapy for intensive care unit delirium in transitions of care

Longitudinal Project: Comparison of insulin doses for the treatment of hyperkalemia

Other Interests: All outdoor activities, running, going to barre classes, attempting to be a Charlottesville foodie, and being a dog mom

Taylor Goins

Hometown: Chesapeake, VA

Undergraduate Education: North Carolina State University; B.S. Biology

Pharmacy School: Virginia Commonwealth University School of Pharmacy

Quality Project: Characterization of vitamin D dosing and associated 25(OH)D levels in pediatric patients with Cystic Fibrosis

Longitudinal Project: Risk of ICU delirium with administration of centrally acting dopamine agonist

Other Interests: Traveling, visiting local wineries, baking, and attending spin class with co-residents

Alina Kukin

Hometown: Baltimore, MD

Undergraduate Education: University of Maryland; B.S. Biology

Pharmacy School: University of Maryland School of Pharmacy

Quality Project: The role and optimal utilization of direct oral anticoagulants (DOACs) in heparin-induced thrombocytopenia (HIT)

Longitudinal Project: The impact of a bundle intervention on appropriate naloxone prescribing rates in the emergency department at an academic medical center

Other Interests: traveling, hiking, doing yoga, cooking, going to concerts, playing with my kitten, and exploring Charlottesville's many restaurants, breweries, and wineries.

Kristen Nymberg

Hometown: Center Valley, PA

Undergraduate Education: Virginia Tech; B.S. Human Nutrition, Foods, and Exercise & B.A. Spanish

Pharmacy School: The Ohio State University College of Pharmacy

Quality Project: Evaluation of recombinant factor VIIa (rFVIIa) for off-label indications

Longitudinal Project: Assessment of the safety and efficacy of universal CMV prophylaxis with valganciclovir in orthotopic liver transplant patients

Other Interests: Spending time with friends and family, traveling, and cheering on the Buckeyes and the Hokies

Ashni Patel

Hometown: Atlanta, GA

Undergraduate Education: Georgia Institute of Technology; B.S. Biology

Pharmacy School: University of Georgia College of Pharmacy

Quality Project: Postoperative anticoagulation strategies and clinical outcomes in patients with ventricular assist devices at a large academic medical center.

Longitudinal Project: Evaluation of protamine use and safety for heparin neutralization in cardiac surgery patients requiring cardiopulmonary bypass

Other Interests: Exploring local wineries and restaurants, hiking, traveling, and attending spin class with my co-residents

Cory Perry

Hometown: Topeka, KS

Undergraduate Education: University of Kansas; B.S of Pharmaceutical Studies

Pharmacy School: University of Kansas School of Pharmacy

Quality Project: Eligibility for simplification of HIV salvage regimens based on patient genotypes

Longitudinal Project: Conversion of intravenous to oral tacrolimus for allogeneic stem cell patients on concurrent posaconazole prophylaxis

Other Interests: Spending time with friends and family, sampling local breweries and wineries, hiking, and cheering on the Royals, Chiefs, and Jayhawks

Josephine Tan

Hometown: Paramus, NJ

Undergraduate Education: University of Michigan; B.S. Biomolecular Sciences and International Studies

Pharmacy School: University of Michigan College of Pharmacy

Quality Project: Assessing the clinical impact of drug shortages on time to administration of antibiotics in the Emergency Department

Longitudinal Project: Analysis of vancomycin use in the surgical intensive care unit

Other Interests: Exploring new cities, sampling local restaurants, visiting Virginia's vineyards and breweries, cheering on the Wolverines, and reading for fun at coffee shops

Yvonne Zhang

Hometown: Charlottesville, VA

Undergraduate Education: University of Virginia; B.S. Biochemistry and B.A. Biology

Pharmacy School: Virginia Commonwealth University School of Pharmacy

Quality Project: Evaluation of the use of intravenous ascorbic acid, hydrocortisone, and thiamine in the treatment of sepsis

Longitudinal Project: Vancomycin dosing in hemodialysis-dependent patients with end-stage renal disease

Other Interests: Traveling around the world, watching movies, cooking, and rereading the Harry Potter series

PGY1-Pharmacy/ PGY2 Health System Pharmacy Administration Resident

Resident: Tyler Goins

Hometown: Manassas, VA

Undergraduate Education: Virginia Tech; B.S. Human Nutrition, Foods, and Exercise

Pharmacy School: Virginia Commonwealth University School of Pharmacy

Quality Project: Evaluation of therapeutic heparin initiation and changes in therapy upon admission

Longitudinal Project: Development of a value-based formulary at an academic medical center

Other Interests: Traveling, scuba diving, intramural sports, exploring Charlottesville, and cheering on the Hokies and Redskins

PGY1-Community Based Pharmacy Resident

Resident: Christa Barber

Hometown: Chesapeake, VA

Undergraduate Education: Virginia Tech; B.S. Biochemistry

Pharmacy School: Virginia Commonwealth University School of Pharmacy

Quality Project: Evaluation of the treatment of Helicobacter pylori in refugee patients at the University of Virginia Health System

Longitudinal Project: A multicenter evaluation to establish a current state of medication reconciliation practices in outpatient clinics

Other Interests: visiting family and friends, spending time outdoors and by the water and adventuring with my husband and mini goldendoodle, Louie

The University of Virginia is an Equal Opportunity/Affirmative Action Employer. UVA is committed to complying fully with the Americans with Disabilities Act (ADA) and ensuring equal employment opportunities for qualified persons with disabilities