



UGA/AU MEDICAL CENTER PGY2 Oncology Residency Program

RESIDENCY OVERVIEW

The University of Georgia College of Pharmacy and AU Medical Center at Augusta University provide a 12 month ASHP Accredited PGY2 Oncology Pharmacy Residency program. Residents are appointed as graduate teaching students for the College of Pharmacy and The University of Georgia awards a graduate certificate for successful completion of the residency program. This post-graduate experience provides comprehensive training in numerous areas of oncology pharmacy including malignant hematology, oncology, gynecology oncology, pediatric hematology/oncology, benign hematology, and bone marrow transplantation. Further, an adult CAR-T program is being implemented in 2020 (was on hold due to COVID-19 pandemic). The residency practice sites are the 478 bed Augusta University Medical Center and the Georgia Cancer Center located in Augusta, GA. The hospital is a national leader in patient and family-centered care.

The Georgia Cancer Center serves as the area's only regional outpatient adult cancer treatment center specializing in bone marrow transplantation, gynecological malignancies, malignant and benign hematology, solid malignancies, and surgical oncology. Residents provide oncology clinical pharmacy services in a variety of areas throughout the year. Additionally, residents assist in the teaching and training of Pharm.D. students, are responsible for conducting a research project suitable for publication in a professional journal, and creating a writing project submitted for publication. Collectively, our nine previous residents have achieved over twenty peer-reviewed publications since 2012! Our residents have engaged in clinical (including prospective studies) and translational research projects.

Mission of Our Program

Each graduate of the UGA/AU Medical Center PGY2 Oncology Pharmacy Residency will

- Be a competent, confident and compassionate oncology pharmacy practitioner who is an active member of the health care team
- Prevent, identify and resolve medication related problems and assure safe, effective and appropriate drug therapy for oncology patients across the continuum of care
- Educate patients, parents, families, students and other health care professionals
- Demonstrate commitment to the pharmacy profession and serve as a role model
- Contribute to the advancement of the practice of pharmacy in the hematology/oncology setting
- Develop an attitude of self-evaluation and improvement

Description of Our Program

This PGY2 residency program provides the resident with advanced clinical training in hematology/oncology and supportive care pharmacotherapy, as well as numerous opportunities for teaching and scholarship. Upon completion of this residency, the pharmacist will be a competent clinical pharmacy practitioner who engages in multidisciplinary collaboration, demonstrates advanced critical thinking skills, and promotes patient advocacy. Graduates of this program will be adequately prepared to enter oncology pharmacy practice as a clinical specialist and/or academician.

Program Schedule

The residency program lasts 12 months and begins July 1.

Compensation and Benefits

Residents enjoy a competitive stipend and generous benefits package including twenty-four days paid-time-off (PTO) as well as professional leave days for meeting attendance, individualized subsidized insurance, free parking, and matching contributions to 403-b retirement plan. Historically, the program has paid for resident travel expenses and registration fees to attend the ASHP Midyear Clinical Meeting, Hematology/Oncology Pharmacy Association (HOPA), and the Southeastern Residency Conference (SERC). However, these may be virtual events during the 2021-2022 year. As a graduate teaching assistant for UGA, the resident receives a tuition waiver on graduate course instruction at The University of Georgia. Residents are provided a dedicated office space with desktop and laptop computers.

APPLICATION PROCESS

Applicants must have completed a PGY1 Pharmacy Residency and must be eligible for licensure as a pharmacist in the State of Georgia. Deadline for receipt of applications is **January 1st** each year; however early application is encouraged.

Application material (all submitted via **PhORCAS**) includes:

1. Letter of Intent
2. Curriculum Vitae
3. Official Transcripts of all pharmacy education
4. Minimum of three PhORCAS references (at least 1 from preceptor and 1 from supervisor)
5. Supplemental application form (see website)

Contact Person

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EXPERIENCES & PEOPLE

Required Rotations	Preceptor(s)
Inpatient medical oncology (Blue Medicine) - 1 rotation	Cara Iacobellis, PharmD
Inpatient malignant hematology (Brown Medicine)* – 1 rotation	Andrea Clarke, PharmD, BCOP
Inpatient BMT (Purple Medicine)* – 1 rotation	Amber Clemmons, Pharm.D. BCOP
Outpatient BMT/ Hematological Malignancies – 1 rotation	Clemmons and/or Clarke
Outpatient Solid Tumor Clinic I & II – 2 rotations	Katherine Saunders, Pharm.D., BCOP Katilyn Bartley, Pharm.D.
Oncology Investigational Drug Service (IDS) – 1 rotation	Marjorie Phillips, MS, R.Ph., FASHP
Pediatric Oncology† – 1 rotation	LeeAnn Thompson, PharmD, BCPPS
Gynecology Oncology† – 1 rotation	Katherine Saunders, Pharm.D., BCOP
Required Longitudinal Experiences	Preceptor(s)
Administration‡	Joshua Wyche, Pharm.D. MBA
Pharmacy Practice – Georgia Cancer Center / AU Medical Center Hospital	Carolyn Braithwaite, Pharm.D., BCSCP
Research‡	Various Preceptor(s)
Academia‡	Amber Clemmons, Pharm.D. BCOP
Elective Experiences (~ 3 rotations)	Preceptor(s)
APPE Precepting rotation (repeat of core rotation selected from Blue, Brown and/or Purple services, or Outpatient clinic)	various
Repeat of any core rotation above	various

† May be mini-experiences (~2 weeks) or longer if desired.

‡ May be concentrated block and/or longitudinal experience.

* May be combined; if combined, 2 rotations required to complete experiences.

PAST RESIDENTS

Year	Resident	Position After Graduation (current)
2011-12	Katerina (Katsanevas) Butler, PharmD, BCOP	Clinical Pharmacy Specialist Hematology/Oncology, AU Medical Center (now at VA in Salt Lake City UT)
2012-13	Stephen Clark, PharmD, BCOP	Clinical Pharmacy Specialist Hematology/Oncology, AU Medical Center (now inpatient at UNC in NC)
2012-13	Alison (Steinbach) Tokarchic, PharmD	Clinical Pharmacy Specialist Hematology/Oncology (outpatient) at Alleghany Health Network in PA
2013-14	Megan Hartranft, PharmD, BCPS, BCOP	Clinical Assistant Professor at Rosalind Franklin University & Ambulatory Care Hematology/Oncology Clinical Pharmacy Specialist at Rush University Medical Center in Chicago, IL. (now MLS with PHARMA)
2014-15	Sarah (Evans) Hoffman, PharmD, BCOP	Clinical Pharmacy Specialist Inpatient/Outpatient Medical Oncology at the Ohio State University Comprehensive Cancer Center in OH
2015-16	Julianne (Orr) Darling, PharmD, BCOP	Oncology Clinical Pharmacist at the Indiana University Health in Indianapolis, IN
2016-17	Benjamin Andrick, PharmD, BCOP	Hematology/Oncology/BMT Clinical Pharmacist and Clinical Investigator at Geisinger Health in PA
2017-18	Morgan (Gwynn) Stanley, PharmD, BCOP	Oncology Clinical Pharmacist at the University of North Carolina in Chapel Hill, NC

2018-19	Kori Daniels, PharmD, BCOP	BMT Clinical Pharmacy Specialist at Methodist University Hospital in Memphis, TN
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AU MEDICAL CENTER - PHARMACY SERVICES

Augusta University's health science campus (formerly known as Medical College of Georgia) is a 100-acre campus centrally located in Augusta, Georgia. Established in 1828, it is the third-oldest medical college in the Southeast and the 13th-oldest in the United States. As the health sciences university for the State of Georgia, Augusta University is committed to teaching, research and high-quality patient care. It's five health-related schools—allied health sciences, dentistry, graduate studies, medicine and nursing—cover the gamut of the health profession, and its graduates practice their skills worldwide.

The university's 10,000 students have exceptional opportunities for clinical training and research. Over 450 residents and fellows receive post-graduate training at AU Medical Center. The medical center is nationally recognized as a leader in the provision of primary care, and for its emphasis on patient and family-centered care. On the other end of the spectrum, it also provides the highest level of subspecialty and critical care, including serving as the designated adult and pediatric trauma centers for the region. The university is building on this excellent reputation as never before with major research initiatives in cancer as well as the cardiovascular, neurological and immune systems.

The AU Medical Center Department of Pharmacy provides pharmaceutical care to patients and comprehensive services to physicians and other health-care professionals as an integral part of the teaching, research, and patient care programs of the clinical enterprise. The Pharmacy Department's activities are enhanced by integrated state-of-the-art computerized information systems (including CPOE), and automation from carousel central inventory management to the latest unit-based cabinets and smart infusion pumps. Pharmacy services available at a variety of locations around campus.

The **Central Pharmacy** is the primary production area and includes several sections. The unit dose area performs 24-hour medication cart filling. The packaging and manufacturing area prepares unit doses from bulk containers, and compounds a variety of dosage forms. The intravenous admixture service prepares large-volume parenterals, minibags, and total parenteral nutrition solutions. Our purchasing, inventory management, and administrative offices are also located in the central pharmacy. *A NEW central pharmacy is opening in Fall 2020 with a multitude of new technology!* A **Pediatric/Critical Care Satellite** also operates seven days a week.

The **Georgia Cancer Center Pharmacy** prepares chemotherapy and supportive care medications for administration to ambulatory patients with cancer and provides services for a Cancer Clinical Research Unit (Phase I and Phase II clinical trials). Pharmacists provide direct patient education and monitoring services to ambulatory patients treated in the center in a variety of clinics.



Unit Based Pharmacists and Clinical Specialists cover hospital inpatient units. They provide clinical pharmacy support to the medical and nursing staffs including pharmacokinetic consulting and drug choice

recommendations. They also participate in a variety of direct patient care services including medication counseling and therapeutic drug monitoring.

The **Clinical Research Pharmacy** provides study medication management and research support services for over 150 inpatient and outpatient protocols. A member of the Pharmacy Leadership Team is the Chair of the Augusta University IRB-C Committee, one of two Institutional Review Boards (IRB) for the university, clinical enterprise and the Charlie Norwood Augusta Veterans Administration Medical Center, and the Biomedical IRB that reviews hematology and oncology human subject research.

The **Retail Pharmacy** provides pharmacy services to the local community including providing Meds-To-Beds services for patients discharged from AU Medical Center 7 days a week. The **Employee Pharmacy (retail)** provides pharmacy services to the employees of the university and medical center 5 days a week.

Therapeutic Policy/Formulary Management/Drug Information

Pharmacists proactively provide pharmaceutical and drug therapy information to health-care practitioners. Pharmacy and Therapeutics Committee activities, formulary management, the medication use evaluation (MUE) program, and adverse drug reaction reporting are coordinated through a member of the Pharmacy Leadership Team. The Drug Information Newsletter has received state and national awards for excellence. Drug information resources include access to the University of Georgia Library and Augusta University Greenblatt Library electronic reference systems. There is an active **Antimicrobial Stewardship** program with an Infectious Disease Pharmacist, physicians and medical fellows.

Anticoagulation Clinic is a pharmacist-run collaborative practice site providing direct patient care to patients from Augusta University Health enterprise. Numerous other ambulatory care clinics in adult and pediatric settings provide clinical pharmacy services five days a week.

THE COLLEGE OF PHARMACY CONNECTION

The University of Georgia College of Pharmacy has nine full-time faculty (five clinical track and four research track) located on the Augusta University campus. The clinical faculty participates in pharmacy services as part of their research, education, and training activities. The College of Pharmacy is an active partner in the pharmacy residency program. Pharmacy residents have the opportunity to participate in classroom teaching, and are involved with mentoring of pharmacy students on the Augusta campus through rotations, projects, MUEs, student groups, etc. Residents earn a teaching certificate (part of the graduate certificate) from the College of Pharmacy for completing the program during their training year.



PGY2 Resident Dr. Katsanevas with two UGA PharmD students

THE COLLEGE OF PHARMACY CONNECTION, continued

Overview

The University of Georgia College of Pharmacy offers the Doctor of Pharmacy professional degree. Based in Athens, Georgia and affiliated with the AU Medical Center and Augusta University in Augusta, the college admits about 140 students a year. The four-year professional program integrates classroom, laboratory and experiential training in a curriculum organized around both human physiology and disease states. Approximately one quarter of the students spend the last 2 years of their program on the Augusta campus. The college also offers post-doctoral training in Clinical and Experimental Therapeutics through a variety of translational research laboratories on the Augusta campus.

History

The College of Pharmacy (COP) was founded in 1903. In 1926, seven years before a degree was required for licensure, the college adopted a four-year Bachelor of Science program. Since that time the college has remained on the cutting edge of pharmacy education. In this decade, curricular improvements include converting from a B.S. to a Pharm.D. degree program, linking our four campuses (Athens, Augusta, Albany and Savannah) through two-way interactive video, implementing online instruction, and providing students with earlier practice experience opportunities. The Pharm.D. curriculum was revised and implemented over the 2015-2018 school years culminating in a rigorous program utilizing state-of-the-art technology and teaching pedagogy. The COP received full re-accreditation by ACPE in 2017.

Clinical and Administrative Pharmacy

The Department of Clinical and Administrative Pharmacy offers clinical training in many areas through clinical sites in Athens, Augusta (at the AU campus), Savannah, and Albany. Faculty work in a diverse array of patient care sites from primary care clinics and community pharmacies to large, tertiary-care hospitals. The Department offers PhD degrees in Clinical and Experimental Therapeutics and Pharmacy Care Administration.

AUGUSTA

Augusta, the Garden City, has a small-town atmosphere with big-city resources. The city borders South Carolina, with the Savannah River providing a beautiful, natural boundary. The larger community is diverse, offering a pleasurable mix of city life and country comfort with a growing skyline, but still plenty of peaceful, friendly neighborhoods and an affordable cost of living. Blankets of azaleas carpet the city each spring, and thousands of evergreens emblazon the area with color season after season.

Augusta is the cultural entertainment and shopping center for the Central Savannah River Area, which encompasses 18 counties and more than half a million people, 80 percent of whom live in the metropolitan area. Attractions in the city include the prestigious Masters Golf Tournament, an annual international rowing regatta, year round Riverwalk activities and Lake Thurmond, with a 1,200-mile shoreline. The city has minor-league baseball and arena football teams, an opera association, a symphony orchestra, community theaters and a ballet company among other offerings.

Augusta is a friendly, close-knit community with open arms for the many newcomers attracted to the area each year.