



## PHARMACY RESIDENCY OPPORTUNITIES



## EXPERIENCE

some of the most advanced  
pharmacy practice models in  
the United States

THE UNIVERSITY OF NEW MEXICO HEALTH SCIENCES CENTER

PGY-1 Pharmacy Practice Residency  
Specialized PGY-2 Residencies  
in Ambulatory Care, Emergency  
Medicine, Infectious Diseases,  
Informatics, Oncology and Pediatrics  
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PHARMACY RESIDENCY OPPORTUNITIES



contents

UNM Pharmacy Residency Experience	1
Advanced Pharmacy Practice in New Mexico	2
Life in the Land of Enchantment	3
Exceptional Training, Superior Care	4
UNM Pharmacy Residency History	5
Benefits of and Requirements for Admission	5
PGY1 Pharmacy Residency	6
Ambulatory Care PGY2 Pharmacy Residency	8
Emergency Medicine PGY2 Pharmacy Residency	10
Infectious Diseases PGY2 Pharmacy Residency	12
Informatics PGY2 Pharmacy Residency	14
Oncology PGY2 Pharmacy Residency	16
Pediatrics PGY2 Pharmacy Residency	18



PGY-1 and PGY-2 Pharmacy Residencies at the University of New Mexico Health Sciences Center are accredited through the American Society of Health System Pharmacists (ASHP)

The UNM Pharmacy Residency Experience

Post-graduate pharmacy residency training at The University of New Mexico (UNM) Health Sciences Center cultivates future leaders in the pharmaceutical care profession through experiences that further advance the resident’s knowledge, confidence, leadership skills and understanding of how a healthcare system functions.

Through a close and enduring collaboration between the UNM College of Pharmacy and the UNM Hospitals Department of Pharmacy, pharmacy residency experiences at UNM are unique in comparison to most other programs.

We provide our residents the opportunity to interact with one of the most diverse patient populations in the nation while practicing within an award-winning interdisciplinary healthcare setting.

Additionally, UNM pharmacy residents have direct access to the knowledge and experience of nationally and internationally recognized practitioners - all within state-of-the-art facilities, situated in one of the most geographically beautiful and culturally diverse regions of the nation.



## Advancing Pharmacy Practice in New Mexico and Beyond

For three quarters of a century, UNM Health Sciences faculty in partnership with New Mexico’s pharmacy profession have continually forged new roles for pharmacists and new models of care.

New Mexico is the first state to recognize and license advanced practice pharmacists (pharmacist clinicians) who provide direct care to patients. Pharmacist clinicians conduct medication reviews and physical assessments, order lab and diagnostic tests, and prescribe medication therapies.

New Mexico’s pharmacists can prescribe, dispense and administer a variety of Board-approved medications such as childhood and adult vaccinations, hormonal and emergency contraceptives, naloxone, smoking cessation agents, and travel medicines.

As part of an academic health sciences center, interprofessional educational experiences flourish at UNM, providing our residents with vital training alongside medical, nursing, and other health professionals and preparing them to take their place as a critical part of a comprehensive health care team.

In 2020 New Mexico added pay parity legislation to the already progressive pharmacy practice laws. Now state insurance plans (including Medicaid and private insurance) are required to compensate pharmacist clinicians or pharmacists with prescriptive authority at an equivalent rate to other providers.

## Life in the Land of Enchantment

Albuquerque, the state’s largest city, basks in 310 days of sunshine, combined with a mild, dry climate and four distinct seasons. Very low humidity means that even when the temperatures rise, summer is always comfortable, and our sunny winters are comparatively mild.

The University of New Mexico campus comprises a small “city within a city” nestled at the base of the majestic sandia mountains.

Daily walks throughout the year provide you with mini snapshots of New Mexican beauty - electric colors

of blooming cacti and wildflowers in the spring, roadrunners darting to and fro in the summer, hot air balloons overhead in the autumn, luminarias lighting your path in the winter - all set against the backdrop of award-winning southwest architecture and beneath the canopy of awe-inspiring big blue skies.

From the breathtaking views, to resilient and diverse people, to delicious chile-infused cuisine, New Mexico provides opportunities for constant amazement within a place and culture like no other.

The state provides endless natural sources of wonder and adventure; spanning the dramatic northern mountains to the stark beauty of open spaces like our eastern high plains and southern deserts.

Our special blend of cultures - Native American, Hispanic, Western and more - come together to create a wonderful and vibrant mix of art, music and food found nowhere else on earth.



## Exceptional Training. Superior Care.

### UNM HOSPITAL

As one of a select few U.S. institutions that serve simultaneously as an academic medical center, level I trauma center and county hospital, and also the regional referral center for many specialties, UNMH offers a training site with a large diversity of clinical experiences while caring for underserved populations.

UNMH, a 619-bed acute tertiary care facility providing state-of-the-art patient care, provides a comprehensive stroke and neuro trauma service, a pediatric cardiothoracic surgery program, and adult and pediatric comprehensive psychiatry services.

The hospital has 72 adult ICU beds (split between medical ICU, neurosurgical ICU, and trauma surgical ICU) and 90 emergency room beds, which annually manage more than 93,000 emergency visits, 7,000 trauma cases, and 18,000 surgeries.

### UNM CHILDREN'S HOSPITAL

UNM Children's Hospital is the state's largest pediatric hospital providing comprehensive services including New Mexico's only pediatric level 1 trauma center and level IV NICU. The children's

hospital also has a pediatric ICU and a pediatric rehabilitation facility.

### UNM COMPREHENSIVE CANCER CENTER

An NCI-designated cancer center, the UNM Comprehensive Cancer Center annually manages more than 10,000 patient visits, 13,900 prescriptions, 15,800 radiation treatments and 38,900 infusions. In 2016, the cancer center started an autologous BMT program with the hope for expansion to others.

### OUTPATIENT LEARNING OPPORTUNITIES

With nearly 500,000 outpatient visits completed in 90 outpatient clinics annually, the University of New Mexico Health Sciences Center (UNM HSC) provides ample opportunities for pharmacists to have a significant impact on the lives of New Mexicans.

One of the many outstanding examples of a medical home in which pharmacists serve as healthcare providers is in the UNM Truman Health Services Clinic, serving the medical needs of over 1,200 people living with or at risk of HIV or Hepatitis C. The Truman clinic also offers one of the

few opportunities nationwide to train in an interdisciplinary setting providing care to transgender individuals.

Due to New Mexico's large geographic area and relatively few specialists outside of Albuquerque, Project ECHO® (Extension for Community Healthcare Outcomes) was originally designed for the treatment of Hepatitis C across vast distances. The ECHO™ model utilizes a "hub and spoke model," teleconferencing subject matter experts (often times including UNM residency preceptors) and local community providers. This provider-to-provider teleECHO™ model disseminates knowledge and maximizes the capacity of the healthcare system. Project ECHO currently hosts 220 hubs for more than 100 diseases and conditions in 31 countries.



## History of Pharmacy Residency Programs at UNM

The University of New Mexico Health Sciences Center established its first pharmacy residency in 2000 - the PGY2 Residency in Infectious Disease.

Since that time, we have continued to expand post graduate pharmacy residency opportunities with the PGY1 program in 2003, and additional PGY2 specialized programs in ambulatory care (2012), emergency medicine (2015), oncology (2016), pediatrics (2019) and informatics (2020).

Over 100 PGY1s and PGY2 pharmacist have successfully completed residencies at UNMH. Roughly 70% of PGY1 graduates have pursued additional training through either board certification and/or PGY2 residencies.

Graduates from UNM residency programs have gone on to careers in a multitude of specialties including academia, clinical pharmacy, pharmacy informatics and industry and have published hundreds of peer reviewed articles.

## Benefits of and Requirements for Admission

### BENEFITS

- Competitive salary (Please see our listings in the ASHP residency directory for the most recent salary)
- Vacation: 10 days
- Professional Leave: up to 10 working days
- Holidays: up to 9 days
- Health Insurance
- Attend two conferences including ASHP Midyear Clinical Meeting

### ADMISSION REQUIREMENTS

- Doctor of Pharmacy degree from an accredited school or college of pharmacy required prior to beginning of residency
- Be eligible for New Mexico pharmacist licensure
- **Additional PGY2 Requirement:** completion of a PGY1 residency

### APPLICATION INFORMATION

- Apply online using ASHP PhORCAS:
  - Letter of intent stating interests and goals
  - Curriculum vitae
  - College of pharmacy transcripts
  - Three recommendations from healthcare professionals who can attest to your practice abilities, one letter required to be from a preceptor in a hospital clinical practice.
- An on-site interview is required
- **Application deadline:** Application deadline is **early January** annually (please see our listing in the ASHP residency directory for details)



# Post Graduate Year 1 PGY1 Pharmacy Residency Program

## Recent Publications

Carrillo AR, Elwood K, Werth C, Mitchell J, Sarangarm P. Balanced Crystalloid Versus Normal Saline as Resuscitative Fluid in Diabetic Ketoacidosis. Ann Pharmacother. 2022 Sep;56(9):998-1006. doi: 10.1177/10600280211063651. Epub 2022 Jan 6. PMID: 34986659.

**Meador S**, Dyke S, Togami J, Kuskov B, Burnett AE. Antithrombosis stewardship efforts to de-escalate inappropriate combined therapy in outpatient clinics [published online ahead of print, 2021 Aug 19]. J Thromb Thrombolysis. 2021;10.1007/s11239-021-02551-y. doi:10.1007/s11239-021-02551-y

Pham NT, **Yon CM**, Anderson JR, et al. Awareness and perceptions of advanced practice pharmacists among health care providers in New Mexico. J Am Pharm Assoc (2003). 2021;61(1):101-108. doi:10.1016/j.japh.2020.10.001

**Tencza E**, Harrell AJ, Sarangarm P. Effect of tranexamic acid administration time on blood product use in urban trauma patients. Am J Health Syst Pharm. 2020 May 19;77(Supplement\_2):S46-S53.

**Patel A**, Dodd MA, D'Angio R, Hellinga R, Ahmed A, Vanderwoude M, Sarangarm P. Impact of discharge medication bedside delivery service on hospital reutilization. Am J Health Syst Pharm. 2019 Nov 13;76(23):1951-1957.

## Contact Information

**Lisa M. Anselmo PharmD, BCOP**  
Director of Clinical Pharmacy  
PGY1 Residency Director

UNM Hospitals Pharmacy Administration 2211  
Lomas Blvd NE  
Albuquerque NM 87106

**Email** lmanselmo@salud.unm.edu  
**phone** 505.272.2034

**fax** 505.272.2037

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“UNM Hospital and College of Pharmacy allowed me the opportunity to have a wide array of experiences. I was able to practice in 8 different clinical areas of the hospital, teach a section of therapeutics to students, mentor students on rotation, and conduct my own research. UNM has some of the highest quality and smartest clinical pharmacists anywhere, and they are highly respected not only within the hospital but in the US healthcare community. It is their reputation which opened doors for me to function as an equal member of the medical teams. They will put in extraordinary effort to make you feel at home, no matter where you're coming from.”

**Joe Llewellyn**, PharmD  
PGY-1 Resident 2013-2014  
Senior Director Clinical Research  
Gilead Sciences

The PGY1 residency program is designed to provide the resident with training and experience in various areas of clinical practice, research, and teaching. The program maintains a close association with the University of New Mexico College of Pharmacy and thus is able to provide a unique one-year residency that can be tailored to meet the interests of each resident. Our program allows for seven PGY-1 residents and two non-traditional PGY-1 residents.

## Residency Rotations

a combination of longitudinal and/or 4 week experiences

### Required 4-week Rotations

- Orientation
- Internal Medicine
- Critical Care (ICU or Emergency Medicine)
- Pediatrics (GPU or PICU)
- Internal Medicine Precepting

### Required Longitudinal Rotations

- Specialty longitudinal experience
- Research (research project with a publication-ready manuscript)\*
- Pharmacy Administration\*

\*Longitudinal in addition to a 4 week rotation

### Possible Elective Rotations

- Academia
- Ambulatory Care (several options)
- Anticoagulation
- Cardiology
- Geriatrics
- Hematology/Oncology (outpatient or inpatient)
- Hepatology/ECHO
- Infectious Disease (stewardship or inpatient consult service)
- Informatics
- Nephrology
- Renal Transplant
- Toxicology
- Psychiatry
- Maternal/fetal Medicine
- HIV
- Neurology
- PICU/HemeOnc

### Additional Residency Experiences

- Staffing once every 4 weeks & one 4 hour evening shift per week
- Didactic Lectures at the College of Pharmacy
- Teaching Certificate Program
- ACLS/BLS Certification
- Statistics for Pharmacy Residents
- Physical Assessment Certificate Program (*optional - for pharmacist clinician licensure*)
- Leadership Certificate Program



# Ambulatory Care PGY2 Pharmacy Residency Program

A collaboration between the University of New Mexico College of Pharmacy and our colleagues across the UNM Health Sciences Center results in an extraordinary 12-month ambulatory care experience. Our residents train with certified pharmacist clinicians who practice with prescriptive authority. This is one of the most advanced pharmacy practice models in the country, in which the resident earns patient contact hours toward a NM pharmacist clinician license.

## Required 4-week Rotations

- 3 months of Diabetes and Cardiovascular Risk Reduction
- 1 month primary care in HIV & transgender health
- 1 month research

## Required Longitudinal Rotations

- Diabetes/CV Risk Reduction Clinic, one ½-day per week
- Participation in Endocrinology teleECHO™ Clinic
- Teaching/Academia Experience
- Administration
- Research

## Possible Elective Rotations

- Academia
- Pain management
- Nephrology
- Heart Failure
- Anticoagulation
- Geriatrics
- Pediatric Pulmonary
- Transplant Clinic
- Diabetes in CKD population
- Psychiatry
- Required rotations can be repeated as electives
- Opportunity for new elective development

## Additional Residency Experiences

- Didactic Lectures
- Patient Care Lab Instruction
- Teaching Certificate Program
- Experiential Education
- Personal & Professional devt. programs

## Recent Publications

Anderson JR, **Gonzales LJ**, Sarangarm P, Marshik P, Hunter TS, Duran NL, Ray GM. Awareness, perceptions, and attitudes toward community pharmacist clinical services: An analysis of data from 2004 and 2018. JAPhA. 2022;62(1364-68)

**Pham NYT, Yon CM**, Anderson JR, Dodd MA, Roberts MH, Yang SM, Ray GM. Awareness and perceptions of advanced practice pharmacists among health care providers in New Mexico. JAPhA. 2021;61(1):101-108

**Newsome C**, Mallawaarachchi I, Conklin J, Ray G. Health literacy of student pharmacists. Curr Pharm Teach Learn. 2018;10(3):340-343. doi:10.1016/j.cptl.2017.11.005

**Newsome C**, Mallawaarachchi I, Garcia J, Ray G. Association between health literacy and diabetes control in a pharmacist-run disease state management clinic. Khurana V, ed. Cogent Medicine. 2016;3(1):1269628. doi:10.1080/2331205X.2016.1269628

**Gallegos Aragon K**, Elmaoued AA, **Pham NT**, Conklin JR, Ray GM. Long-Acting Basal Insulins: A Review of the More Recently Approved Agents. Cardiol Rev. 2019;27(5):260-266. doi:10.1097/CRD.0000000000000266

## Contact Information

**Gretchen M. Ray**, PharmD, PhC, BCACP, CDCES Associate Professor, Dept of Pharmacy Practice & Administrative Sciences

UNM College of Pharmacy  
MSC09 5360 | 1 University of New Mexico  
Albuquerque NM 87131

**Email** gray@salud.unm.edu  
**phone** 505.272.8308  
**fax** 505.272.4721

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“I have had a memorable and unique experience at UNM. This is a program that provides you with the opportunity to practice at the top of your license within an underserved community. With its great array of rotations, you are able to tailor your learning experiences based on your passions with an advanced scope of practice. The Land of Enchantment also has a diverse population that provides the opportunity to grow in providing culturally competent care. This program also provides mentorship from preceptors that are highly respected experts and advocates within their field. They not only support you but encourage you to explore this hidden gem of a city through hiking the Sandia Mountains or capturing the magic of surrounding national parks. The warm and vibrant New Mexican culture definitely leaves you feeling right at home.”

Sarah Bermudez, PharmD, PhC, RDN  
UNM PGY-1 Resident 2020-21, UNM PGY-2 Amb Care Resident 21-22  
Clinical Pharmacy Specialist, Endocrinology  
University Health System, San Antonio, TX



# Emergency Medicine PGY2 Pharmacy Residency Program

Train in a fast-paced immersive environment. The Emergency Medicine Residency at the University of New Mexico Hospital offers a cutting edge clinical practice in the region’s only Level-1 Trauma Center. The Emergency Department at the University of New Mexico Hospital cares for over 90,000 adult and pediatric patients per year and is also the primary academic medical center and county hospital. Pharmacy provides 24-7 bedside pharmaceutical care in the Emergency Department and maintains a strong relationship with the Department of Emergency Medicine which affords the resident the opportunity to train in a unique multidisciplinary environment.

## Residency Rotations

a combination of longitudinal and/or 4 week experiences

### Required 4-week Rotations

- Orientation
- Emergency Medicine (five months)
- Emergency Medicine Precepting
- Medical/Cardiac ICU
- Pediatric ICU
- ICU Swing (MICU, TSI, and NSI coverage)
- Stewardship (Antithrombosis/ Antimicrobial)
- Toxicology

### Required Longitudinal Rotations

- Pediatric Emergency Medicine
- Emergency Response/Disaster Management
- Research (research project with a publication-ready manuscript)
- Teaching
- Administration

### Additional Residency Experiences

- Staffing every 3 weeks in a critical care area (either ED or ICU)
- Didactic lectures at the College of Pharmacy
- Teaching Certificate Program (optional)
- ACLS/BLS/PALS Certification
- Ride along experiences with ambulance services, including fixed wing, and EMS consortium
- Statistics for Pharmacy Residents

## Recent Publications

Brown CS, Sarangarm P, Faine B, et al. A Year ReviewED: Top Emergency Medicine Pharmacotherapy Articles of 2021. Am J Emerg Med. 2022 Jul 25;60:88-95.

Sarangarm P, Huerena TA, Norii T, Walraven CJ. Antibiotic Prescribing in Adults Presenting with Pharyngitis Pre- and Post-Implementation of a Rapid Group A Streptococcus Test. Hosp Pharm. 2022 Apr;57(2):309-314.

Iovine JA, Villanueva RD, Werth CM, Hlavacek NL, Rollstin AD, Tawil I, Sarangarm P. Contemporary Hemodynamic Management of Acute Spinal Cord Injuries with Intravenous and Enteral Vasoactive Agents: A Narrative Review. Am J Health Syst Pharm. 2022 Sep 7;79(18):1521-1530.

Fletcher ML, Sarangarm P, Smolinske S, Nash J, Alunday RL, Seifert SA, Warrick B. A Systematic Review of Second line Therapies in Toxic Seizures. Clin Toxicol (Phila). 2021;59(6):451-56.

Tenzca E, Sarangarm P, Harrell A. Effect of Tranexamic Acid Administration time on Blood Product use in Urban Trauma Patients. Am J Health Syst Pharm. 2020 May 19;77(Supplement\_2):S46-S53.

Fletcher M, Rankin S, Sarangarm P. The Effect of Pharmacy-Driven Education on the Amount of Appropriately Administered Tetanus Vaccines in the Emergency Department. Hosp Pharm. 2019 Feb;54(1):45-50.

Astrup G, Sarangarm P, Burnett A. Fixed dose 4-factor prothrombin complex concentrate for the emergent reversal of warfarin: a retrospective analysis. J Thromb Thrombolysis. 2018 Feb;45(2):300-305.

### Contact Information

**Preeyaporn Sarangarm, PharmD, BCPS, BCCCP** Emergency Medicine PGY2 Program Director

UNM Hospitals Pharmacy Administration  
2211 Lomas Blvd NE  
Albuquerque NM 87106

**Email** psarangarm@salud.unm.edu  
**phone** 505.925.7911  
**fax** 505.272.2037

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“The residency program at UNMH provides a dynamic learning experience with an ideal balance of mentorship and challenging opportunities to advance professional growth. I was fully prepared to enter my career as an Emergency Medicine Pharmacist and am thankful to have trained with such knowledgeable, engaging colleagues.”

Kyle DeWitt, PharmD, BCPS  
PGY-2 Resident 2014 -2015  
Pharmacist Specialist, Emergency Medicine  
Residency Program Director, Emergency Medicine  
University of Vermont Medical Center, Burlington, VT



# Infectious Diseases PGY2 Pharmacy Residency Program

Interact with some of the most diverse patient populations in the nation while training with Infectious Disease providers in an interdisciplinary health care setting. UNMH provides acute medical care for patients from New Mexico, Arizona, Colorado, and Texas. New Mexico is endemic for unique pathogens, including Hanta virus, plague, and Coccidioidomycoses. The Infectious Disease Residency at University of New Mexico Hospital is tailored to give a residents exposure to all aspects of the management of patients with infectious diseases.

## Residency Rotations

a combination of longitudinal and/or 4 week experiences

### Required 4-week Rotations

- Orientation
- Adult Infectious Diseases
- Pediatric Infectious Diseases
- Antimicrobial Stewardship
- Infectious Diseases Outpatient Clinics

### Required Longitudinal Rotations

- Research (research project with a publication-ready manuscript)\*
- Teaching
- HIV Clinic or OPAT Clinic (1/2 day per week)
- Clinical Microbiology

*\*Longitudinal in addition to a 4 week rotation*

### Possible Elective Rotations

- Outpatient HIV/HCV
- Critical Care Medicine
- Emergency Medicine
- Hematology/Oncology
- Internal Medicine

### Additional Residency Experiences

- Staffing one weekend every three weeks
- Volunteer faculty appointment at the UNM College of Pharmacy for didactic lectures and student precepting
- Didactic Lectures at the College of Pharmacy
- Physical Assessment Certificate Program (*for pharmacist clinician licensure*)

## Recent Publications

**Ramos-Otero G**, Sarangarm P, Walraven, C. A retrospective analysis of intravenous versus oral antibiotic step-down therapy for the treatment of uncomplicated Streptococcal bloodstream infections. *J Clin Pharmacol*. 2022. DOI: 10.1002/jcph.2097.

**Custodio M**, Sanchez D, Anderson B, Ryan K, Walraven C, Mercier R-C. Emergence of resistance in Klebsiella aerogenes to piperacillin-tazobactam and ceftriaxone. *Antimicrob Agents Chemother*. 2021; 65(2):e01038-20. DOI: 10.1128/AAC.01038-20.

**Ryan KL**, Jakeman B, Conklin J, Pineda LJ, Deming P, Mercier RC. Treatment of patients with HIV or hepatitis C by pharmacist clinicians in a patient-centered medical home. *Am J Health Syst Pharm*. 2019;76(11):821-828. doi:10.1093/ajhp/zxz059

**Dilworth TJ**, Klein PW, Mercier RC, Borrego ME, Jakeman B, Pinkerton SD. Clinical and Economic Effects of a Pharmacist-Administered Antiretroviral Therapy Adherence Clinic for Patients Living with HIV. *J Manag Care Spec Pharm*. 2018;24 (2):165-172.

**Dionne B**, Brett M, Culbreath K, Mercier RC. Potential Ceiling Effect of Healthcare Worker Influenza Vaccination on the Incidence of Nosocomial Influenza Infection. *Infect Control Hosp Epidemiol*. 2016 Apr 21:1-5.

**Pineda LJ**, Mercier RC, Dilworth T, Iandiorio M, Rankin S, Jakeman B. Evaluating community pharmacists' HIV testing knowledge: A cross-sectional survey. *J Am Pharm Assoc*. 2015;55(4):424-8.

## Contact Information

**Carla Walraven**, PharmD, BCIDP  
Infectious Disease PGY2 Residency Program Director,  
UNM Hospitals

UNM Hospitals, Department of Pharmacy  
2211 Lomas Blvd. NE  
Albuquerque, NM 87106

**Email** cwalraven@salud.unm.edu

**phone** 505.272.4669

**fax** 505.272.2037

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“I am grateful for the long lasting bonds I formed with my colleagues, the guidance I received from my mentors, and the supportive learning environment that UNMH fostered— one that allowed me to pursue my own unique journey. Now, as a faculty member, I cannot think of a better way to inspire future generations of pharmacy students. My mission is clear— to reflect the high-quality education I received at UNMH by providing valuable experiences that prepare students for the future of medicine.”

Gerardo P. Ramos-Otero PharmD  
PGY2 Resident 2019-2020  
Clinical Assistant Professor  
Department of Pharmacy Practice  
Nova Southeastern University, Puerto Rico Campus



# Informatics PGY2 Pharmacy Residency Program

The Pharmacy Informatics resident will have the opportunity to work closely with the multidisciplinary teams providing informatics solutions for the University of New Mexico Health System. The resident will gain a foundation in Pharmacy Informatics that will enable them to work independently and lead projects for the health care system. Electives are offered to the resident in Physician, Nursing, Population Health, and Antimicrobial Stewardship Informatics to create a well-rounded understanding of health care informatics. By the completion of the program, the resident will achieve an ASHP Pharmacy Informatics Certificate.

## Required 4-week Rotations

- Informatics Pharmacy Orientation (3 weeks)
- Pharmacy Orders Integration
- Pharmacy Automation, Infusion Pump, & Dispensing Technology
- Data Analytics and Reporting
- Clinical Decision Support
- Clinical Decision Support II
- Medication Safety
- Information Technology Clinical Informatics

## Required Longitudinal Rotations

- Project Management Longitudinal (6 months)
- Leadership, Management, and Compliance Longitudinal (6 months)
- Teaching
- Research

## Possible Elective Rotations

- Physician Health Care Informatics
- Nursing Informatics
- Antimicrobial Stewardship Informatics
- Population Health

## Additional Residency Experiences

- Staffing one weekend a month in a clinical staffing area
- Volunteer faculty appointment at the UNM College of Pharmacy for didactic lectures and student precepting
- Statistics for Pharmacy Residents

## Informatics Pharmacy Residents Will

- Utilize a Cerner-based electronic medical record to enhance the ordering experience for providers, maintain pharmacy formulary, and streamline pharmacy workflow.
- Provide suggestions and build solutions to pharmacist clinical workflow and documentation issues.
- Participate in hospital-wide initiatives that may include, but is not limited to, enhancements to pump utilization, barcode medication administration, communication channels, and packaging resources.
- Report on various processes to improve workflow, dispensing and charging of medications, and quality utilizing PowerInsight, Tableau, and data analytics tools.
- Participate in a multidisciplinary team involving clinical pharmacists, physicians, and nursing in addition to information technology and project managers.

## Contact Information

**Lucas McGrath**, B.S., PharmD

PGY-2 Informatics Residency Director,  
UNM Hospitals

UNM Hospitals Pharmacy Administration  
2211 Lomas Blvd NE  
Albuquerque, NM 87106

**Email** [lkmcgrath@salud.unm.edu](mailto:lkmcgrath@salud.unm.edu)  
**phone** 505.272.8227  
**fax** 505.272.2037

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“Post-graduate training in Pharmacy Informatics offers a crucial skillset as healthcare becomes increasingly digitized, and the market for pharmacists becomes progressively more competitive. The Pharmacy Informatics Residency at UNM Hospital will not only provide you with exceptional, individualized, clinical training at the state's premiere academic center, Level 1 Trauma Center and Children's Hospital, but will also teach you the leadership and technical skills to manage informatics initiatives at large health systems.”

**Dusadee Sarangarm**, MD  
Chief Medical Information Officer  
Associate Professor, Department of Emergency Medicine  
University of New Mexico School of Medicine



# Oncology PGY2 Pharmacy Residency Program

## Recent Publications

**Young MT**, Anselmo L, Heideman N. Polypharmacy and potentially inappropriate medication use in multiple myeloma patients on lenalidomide at an academic medical center. Poster presentation HOPA annual meeting March 2020.

**Hua J**, Anselmo L, Heideman N. A retrospective study assessing incidence and prevalence of immune-related adverse events in rural state with ethnically diverse population. Poster presentation HOPA annual meeting March 2019.

**Cadavid N**, Anselmo L, Soares H. Observed treatment patterns in patients with hepatocellular carcinoma (HCC) initiated on systemic therapy at a comprehensive cancer center. Poster presentation HOPA annual meeting March 2018

## Prior residents: Where are they now?

- Mary Young, Pharm.D. University of New Mexico Cancer Centre, Albuquerque
- Jessica Hua, Pharm.D, BCOP, Valley Medical Center, Seattle
- Natalia Cadavid, Pharm D. BCOP Orlando Health Cancer Center Institute, Orlando
- Stephanie Clark Pharm D., BCOP. Beth Israel Deaconess Medical Center, Boston
- Alexis Spence PharmD., Banner MD Anderson, Gilbert Arizona

## Contact Information

**Nancy Heideman PharmD, BCPS, BCOP**  
Oncology Residency Director  
Oncology Clinical Pharmacy Lead

UNM Comprehensive Cancer Center  
1201 Camino de Salud NE  
Albuquerque, New Mexico 87102

Email nheideman@salud.unm.edu  
phone 505.925.0241  
fax 505.925.0122

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“I chose to complete my PGY-2 oncology residency at the UNM Comprehensive Cancer Center because of the supportive learning environment, the well-rounded clinical training experiences, and the unique opportunity to serve a diverse patient population. I have felt welcomed by the team from day one at the residency information session. The preceptors are dedicated and invested in my personal and professional growth. It also has been a blessing to learn from providers who are enthusiastic about working with pharmacy.”

Eva Huang, PharmD  
PGY-2 Resident 2022-2023  
evhuang@salud.unm.edu

The UNM Health Sciences Center is proud to house a world-class oncology practice site at the UNM Comprehensive Cancer Center - one of only 47 cancer centers in the nation to be designated by the National Cancer Institute as a comprehensive cancer center, the highest federal designation and rating for cancer centers. UNM Comprehensive Cancer Center's team of doctors and cancer specialists work side-by-side to design individualized treatment plans and deliver them to our patients in a compassionate, culturally sensitive way.

**Residency Rotations** a combination of longitudinal and/or 4 week experiences

### Required 4-week Rotations

Orientation - Inpatient Oncology Unit

Outpatient Oncology Clinics

- Stem Cell transplant
- Outpatient Hematology Oncology
- Breast
- GYN
- CNS/Sarcoma/Melanoma
- Lung
- Genitourinary/Head & Neck
- GI Oncology

### Elective Rotations

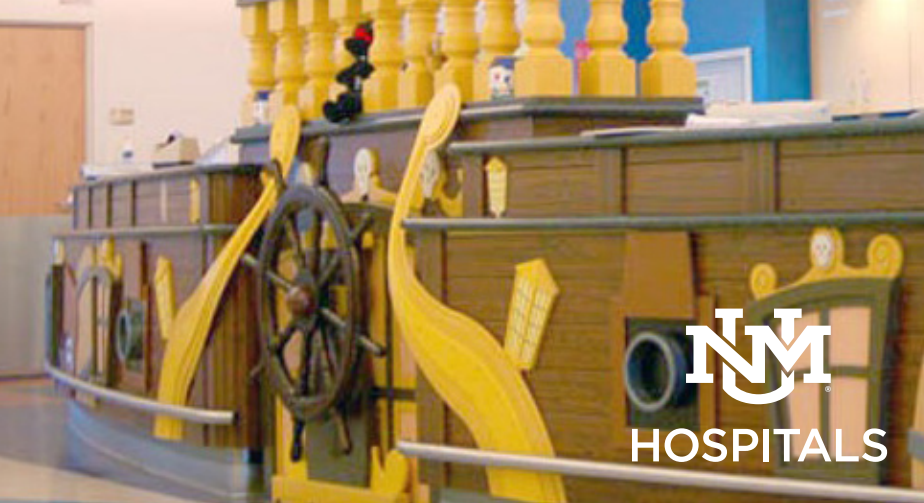
- Academic Pharmacy
- Pediatric Hematology Oncology
- Inpatient Hematology Oncology

### Required Longitudinal Rotations

- Administration
- Research (research project with a publication ready manuscript)
- Teaching
- Infusion Pharmacy Staffing
- Investigational Drug Service

### Additional Residency Experiences

- Staffing one weekend a month on the hematology/oncology unit of the hospital
- Volunteer faculty appointment at the UNM College of Pharmacy for didactic lectures and student precepting
- Physical Assessment Certificate Program
- ACLS/BLS/PALS Certification
- Statistics for Pharmacy Residents



# Pediatric PGY2 Pharmacy Residency Program

The state's premier children's hospital is excited to offer a PGY2 program in pediatrics. UNMH is a Level 1 Trauma Center with a pediatric ED and houses the only Level IV NICU in New Mexico. The pediatric resident will have the opportunity to work closely with the multidisciplinary teams to provide comprehensive patient care for all of our pediatric patients. Through the various clinical rotations, the resident will gain experience caring for patients from extremely preterm neonates to adolescents, as well a wide variety of pediatric disease states. Our program will be tailored to meet the needs and interests of the PGY2 resident.

**Residency Rotations** a combination of longitudinal and **2-6** week experiences

#### Required Rotations

- Orientation
- General Pediatrics
- Pediatric ICU
- Neonatal ICU
- Inpatient Pediatric Hematology Oncology

#### Required Longitudinal Rotations

- Administration
- Research (research project with a publication ready manuscript)
- Teaching
- Pediatric Pharmacy Staffing

#### Possible Elective Rotations

- Pediatric ED
- Pediatric Nephrology
- Pediatric ID
- Inpatient Child Psychiatry
- Outpatient Pediatric Pulmonology
- Pediatric Infectious Diseases
- Pediatric Hematology Ambulatory Care
- Maternal Fetal Medicine
- Elective Research
- Pediatric Toxicology
- Any required rotation

#### Additional Residency Experiences

- Staffing one weekend every third with possibility to be de-centralized throughout the year and potential for one evening shift a week
- Volunteer faculty appointment at the UNM College of Pharmacy for didactic lectures and student precepting
- PALS certification
- Statistics for Pharmacy Residents

## Recent Publications

Meyers RS, Thackray J, Matson KL, McPherson C, Lubsch L, **Hellinga RC**, Hoff DS. Key Potentially Inappropriate Drugs in Pediatrics: The KIDs List. J Pediatr Pharmacol Ther. 2020;25(3):175-191. doi:10.5863/1551-6776-25.3.175

Dolan E, **Hellinga R**, London M, Ryan K, Dehority W. Effect of Vancomycin Loading Doses on the Attainment of Target Trough Concentrations in Hospitalized Children. J Pediatr Pharmacol Ther. 2020;25(5):423-430. doi:10.5863/1551-6776-25.5.423

Koury J, Hellinga R, Rose J, Abraham S, Subbaswamy A. Evaluation of Anticoagulant Monitoring in Pediatric Patients Receiving Enoxaparin for Treatment of Venous Thrombosis. J Pediatr Pharmacol Ther. 2021;26(4):346-351. doi: 10.5863/1551-6776-26.4.346.

Meyer R, Hellinga R, Hoff D. The KIDs List: Medications That Are Potentially Inappropriate in Children. Am Fam Physician. 2021 March 15;103(6):330.

Koury J, Brown M, Sturtevant S, Wiley C, Felton L. Use of Sirolimus in a Premature Neonate with Kaposiform Hemangioedema. J Pediatr Pharmacol Ther. 2021;26(2):205-209. doi: 10.5863/1551-6776-26.2.205.

Koury J, Schnakenberg C, Villasenor C, Abraham S. A Distinctive Approach to Venous Thromboembolism Treatment in a Pediatric, Hemodialysis Patient: A Case Report. 2021;26(1):104-106. doi: 10.5863/1551-6776-26.1.104.

## Contact Information

**Robert Hellinga, PharmD, BCPPS**  
Pediatric Pharmacist III  
PGY-2 Pediatrics Residency Director

UNM Hospitals Pharmacy Administration 2211  
Lomas Blvd NE  
Albuquerque NM 87106

Email rhellinga@salud.unm.edu

phone 505.272.2236

fax 505.272.2037

[goto.unm.edu/pharmacyresidency](https://goto.unm.edu/pharmacyresidency)



“UNM Children’s Hospital offers a distinctive experience that not only affords clinically challenging clerkships but also promotes personal growth. Widespread intra-disciplinary collaborations allow for unique learning opportunities and truly exemplifies team-based medicine. Each provider and pharmacist I’ve worked has not only developed my clinical skills but also personal skill. The level of knowledge and support made available to me by my colleagues, reassures me that I will be prepared to be a successful pediatric pharmacist on any stage.”

**Joseph Dinallo, PharmD**  
PGY2 Resident 2020-2021



## **For More Information**

**Lisa M Anselmo PharmD, BCOP**

Director of Clinical Pharmacy

505-272-2034

[lmanselmo@salud.unm.edu](mailto:lmanselmo@salud.unm.edu)

**UNM Hospitals Pharmacy Administration**

2211 Lomas Blvd NE

Albuquerque NM 87106

phone 505.272.2034 fax 505.272.2037

**[goto.unm.edu/pharmacyresidency](http://goto.unm.edu/pharmacyresidency)**