



Indiana University Health



Pharmacy PGY2 Internal Medicine Specialty Residency

Indiana University Health and Butler University College of Pharmacy and Health Sciences

Indiana University Health and Butler University College of Pharmacy and Health Sciences offer a one-year ASHP accredited PGY2 Residency in Internal Medicine. The residency is designed to provide both clinical education and advanced training in the fundamentals of Internal Medicine. The resident will gain the clinical skills and knowledge in pharmacotherapy, pharmacokinetics, and the pathophysiology of the core Internal Medicine disease states. The resident will have opportunities for both didactic and clinical teaching of Doctor of Pharmacy students from Butler University.

Throughout the course of residency training, the resident's experiences will include, but are not limited to, the following activities:

- Provision of pharmaceutical care to hospitalized patients via participation in daily inpatient rounds on the Internal Medicine service and elective rotation services.
- Participation in physician, pharmacist, nursing, and patient education.
- Development and completion of a clinical research project.
- Co-authorship of a manuscript for publication in a peer-reviewed journal.
- Provision of mentorship and service as co-preceptor to Doctor of Pharmacy students from Butler University in the setting of Internal Medicine.
- Participation in classroom instruction (both didactic and case-based interactive discussion) of Doctor of Pharmacy students at Butler University.

PROGRAM GOAL

The purpose of this training program is to prepare role model practitioner-educators for entry into clinical pharmacy specialist or faculty positions. This is accomplished by:

- Practicing in multidisciplinary patient care settings in internal medicine and related subspecialties.
- Enhancing verbal and written communication skills through clinical practice activities, didactic teaching, seminar presentations, and publication.
- Receiving formal instruction and mentoring in didactic and experiential teaching methods.
- Assisting in precepting Doctor of Pharmacy students in clinical clerkships.

RESIDENCY ACTIVITIES

During required rotations, residents spend an appropriate amount of time under direct preceptor supervision and the remainder of time practicing on their own service. The residency director and co-directors meet regularly with the resident to provide clinical expertise, feedback, advice, and to guide student precepting activities.

The Internal Medicine resident is appointed to the Butler University College of Pharmacy faculty and will be responsible for leading small group case discussions in a pharmacotherapeutics course. The resident is also responsible for delivering 1-3 didactic lectures to PharmD students in one of the pharmacotherapeutics courses at Butler, presenting a pharmacy grand-rounds seminar, and completing a residency research project. The resident will work with one of the primary preceptors and serve as a co-author on a manuscript for publication. Extensive library services, computer resources, audiovisual support, travel funds, and full benefits are provided. Attendance at local, regional, and national professional meetings is encouraged.

Residents participate in 6 months of rotations in Adult Internal Medicine in both rounding and unit-based practice models. Several of the Internal Medicine rotations may be sub-specialized by doing rotations on a Pulmonary Medicine unit, Renal/Metabolic unit, Neurology unit, or Progressive Care unit. Elective rotations are selected by the resident based on their areas of interest and prior experience. Elective rotation opportunities include, but are not limited to:

- Cardiology or Cardiovascular ICU
- Infectious Diseases
- Adult Critical Care
- Cardiovascular Surgery
- Emergency Medicine
- Transplant (Solid Organ or Heart/Lung)
- Hematology/Oncology
- Psychiatry
- GI/Liver
- Ambulatory Care
- Nutrition Support
- Other rotations available in the Indianapolis area may be explored at the resident's request

PRACTICE SITE DESCRIPTIONS

Indiana University Health is made up of three different hospitals: Indiana University Hospital, Methodist Hospital, and the Riley Hospital for Children. Committed to excellence in patient care, education and research, Indiana University hospitals are considered by many to be the premier health care facilities in Indiana and the Midwest. The practice sites for the Internal Medicine residency include:



Methodist Hospital

A 750-bed private, Level 1 trauma, Comprehensive Stroke, and primary PCI institution located in downtown Indianapolis, rated as one of the top 1% of hospitals in the U.S.



Indiana University Hospital

A 375-bed university teaching hospital widely recognized for its clinical excellence and research developments.

ACCREDITATION

Indiana University Health strives for excellence in residency training and currently offers 8 ASHP accredited residency programs in the areas of Pharmacy Practice, Infectious Diseases, Internal Medicine, Hematology/Oncology, Trauma, Critical Care, Pediatrics, and Informatics.

BENEFITS

A competitive salary is offered. Other benefits include the following: medical coverage, pharmacy benefits, dental coverage, vision coverage, life insurance, and 16 days of vacation.

QUALIFICATIONS

The qualified applicant must possess a Doctor of Pharmacy Degree from an accredited College of Pharmacy and must be eligible for Indiana licensure. Completion of a prior Pharmacy Practice Residency (or 3-5 years of equivalent experience) is required.

A complete application through PHORCAS should include a current curriculum vitae and cover letter expressing the applicant's interest. Three letters of recommendation and a copy of college of pharmacy transcripts should be submitted. The deadline for application is December 31, 2019.

Additional application materials can be mailed or preferably e-mailed to the address below:

Alexander J. Ansara, PharmD, BCPS AQ Cardiology
Methodist Hospital, Indiana University Health
1701 North Senate Blvd. AG 401
Indianapolis, Indiana 46202
Office: (317) 962-3701
Fax: (317) 962-5274
E-mail: aansara@iuhealth.org

Program Director and Internal Medicine Preceptors



Alexander J. Ansara, Pharm.D., BCPS AQ-Cardiology

Bachelor of Science degrees in Biology and Pharmacy from the University of Cincinnati. Post-BS Pharm.D. also from the University of Cincinnati College of Pharmacy. ASHP accredited Internal Medicine Specialty Residency with the St. Louis College of Pharmacy at St. Luke's Hospital. Currently an Associate Professor of Pharmacy Practice at the Butler University College of Pharmacy and Health Sciences and a Clinical Pharmacy Specialist in Advanced Heart Care at Methodist Hospital. Dr. Ansara has received multiple Professor of the Year Awards and lectures at the IU

College of Medicine and Butler University in the areas of Cardiovascular, Cerebrovascular and Infectious Diseases. His clinical research interests are in the areas of cardiovascular and thromboembolic diseases. Dr. Ansara is in his 14th year in with Indiana Health and Butler University and currently practices in Cardiology on the Advanced Heart Care unit.



Lauren Czosnowski, Pharm.D., BCPS

Bachelor of Science degree in Pharmaceutical Sciences and Pharm.D. degree from Purdue University. Pharmacy practice residency and PGY2 Internal Medicine specialty residency at Methodist University Hospital/University of Tennessee, Memphis, TN. Currently an Associate Professor of Pharmacy Practice at the Butler University College of Pharmacy and Clinical Pharmacy Specialist in Cardiovascular and Internal Medicine at Methodist Hospital. Dr. Czosnowski spent five years as an Assistant Professor at the Philadelphia College of Pharmacy before joining

Butler University and Indiana Health in July 2013. Her clinical practice interests include nephrology and cardiovascular diseases.



Kevin M. Tuohy, Pharm.D., BCPS

Bachelor of Science degree and Post-BS Pharm.D. from Rutgers, The State University of New Jersey, College of Pharmacy. Pharmacy Practice Residency with Indiana Health in Indianapolis. Family Medicine Specialty Residency, Indiana University and the Methodist Department of Family Medicine in conjunction with Butler University College of Pharmacy. Currently an Associate Professor of Pharmacy Practice at the Butler University College of Pharmacy and Clinical Pharmacy Specialist in Internal Medicine at Methodist Hospital. Dr. Tuohy lectures in

the areas of Endocrinology, Infectious Diseases, Neurology, Geriatric Medicine, and Substance Abuse, with research in the areas of pharmacy education and chronic disease states. He has won numerous teaching awards and is in his 15th year with Butler University and Methodist Hospital where he currently practices on the Internal Medicine/Neurology unit.



Elizabeth Richardson, PharmD, BCPS

Doctor of Pharmacy from Purdue University. Pharmacy PGY1 residency and PGY2 Internal Medicine residency at Eskenazi Health in Indianapolis, IN. Currently an Assistant Professor of Pharmacy Practice at Butler University College of Pharmacy and Health Sciences and Clinical Pharmacy Specialist in Internal Medicine at IU Health Methodist Hospital. Elizabeth currently works on the Advanced Pulmonary Unit. Her practice interests include underserved care and global health, GI and liver diseases, transitions of care, and innovative teaching practices.



Courtney Khouli, PharmD, BCCCP, BCPS

Doctor of Pharmacy from Butler University. Pharmacy PGY1 residency and PGY2 Adult Critical Care residency at Indiana University Health in Indianapolis, IN. Currently a Clinical Pharmacy Specialist in Internal Medicine at IU Health Methodist Hospital. Courtney currently works on a medical progressive care unit. Her practice interests include transitions of care, anticoagulation, and cardiovascular diseases.



Kayla Thompson, PharmD, BCPS

Dr. Thompson obtained her Doctor of Pharmacy degree from Purdue University. She completed her pharmacy practice residency at Indiana University Health. Currently, an Assistant Professor of Pharmacy Practice at Nova Southeastern University and Internal Medicine Clinical Pharmacy Specialist at Delray Medical Center. Her areas of interest include heart failure, hyperlipidemia, liver disease, and mentoring students pursuing post-graduate education.



Phillip King, PharmD, BCPS

Doctor of Pharmacy degree from Northeast Ohio Medical University (NEOMED) College Of Pharmacy. Pharmacy practice residency at The University of Toledo Medical Center, Toledo, OH. Currently, an Assistant Professor of Pharmacy Practice at NEOMED and a Clinical Pharmacy Specialist in Neurology/Cardiology at the Summa Health, Akron Campus, Akron, OH. His areas of interest include antithrombotic therapy, transitions of care, public perception of pharmacists, and educational research.



Julie L. Bott, Pharm.D., BCPS

Doctor of Pharmacy from Purdue University and residency training in Pharmacy Practice and Critical Care at the University of Kentucky Chandler Medical Center. Current position is Clinical Manager for the Adult Academic Health Center, including acute care and ambulatory services. Active in the Legislative and Regulatory Council of the Indiana Pharmacist Alliance. Dr. Bott developed the original pharmacy-driven medication reconciliation program at Indiana University Health, including discharge reconciliation by pharmacists. Her interests include practice advancement and innovation, population health, and application of LEAN principles to clinical practice. Dr. Bott is in her 20th year with Indiana Health.

Graduates of the IU Health/Butler University PGY2 IM Residency Program



Sally Arif, PharmD, BCPS, AQ-Cardiology (2006-2007)

Doctor of Pharmacy degree from the University of Kansas, School of Pharmacy. Pharmacy Practice residency at Inova Health System, outside Washington, D.C.. In 2007, Dr. Arif joined the faculty of the Arnold & Marie Schwartz College of Pharmacy and Health Sciences as a Clinical Pharmacy Specialist in Internal Medicine at the James J. Peters VA Medical Center in Bronx, NY. In 2010, Dr. Arif took a tenure-track Associate Professor of Pharmacy Practice position at Midwestern University, Chicago College of Pharmacy where she teaches within the

pharmacotherapeutic, sequence and delivers lectures on cultural competency and health disparities throughout the curriculum. Dr. Arif also precepts IPPE, APPE and PGY1 residents as a Cardiology Clinical Specialist at RUSH University Medical Center and received the Teacher of the Year awards in 2012, 2014, 2015, and 2017. Her strong research interests and publications are in cardiovascular disease management and global pharmacy education and outreach.



Sarah Nordmeyer, PharmD, BCPS (2007-2008)

Doctor of Pharmacy degree from Butler University College of Pharmacy and Health Sciences. PGY1 Pharmacy Residency at The University of Tennessee Medical Center, Knoxville, TN. Dr. Nordmeyer is currently a Clinical Pharmacist at the University of Tennessee Medical Center and served as the PGY2 Internal Medicine Residency Program Director from 2010 to 2014. Dr. Nordmeyer has a variety of research interests including anticoagulation, diabetes and infectious diseases. She is currently in her 9th year at the University of Tennessee.



Dane Shiltz, PharmD, BCPS (2008-2009)

Doctor of Pharmacy degree from The University of Iowa College of Pharmacy 2007. Pharmacy Practice Residency at the Clement J. Zablocki VA Medical Center in Milwaukee, WI. PGY-2 Internal Medicine Specialty Residency at IU Health. Dr. Shiltz is in his 10th year as an Associate Professor of Pharmacy Practice at Ferris State University College of Pharmacy & Clinical Pharmacy Specialist on an Adult Internal Medicine unit at Butterworth Hospital in Grand Rapids. He lectures in the areas of Nephrology, Nutrition Support, Rheumatoid Arthritis, and Transplant with

conglomerate research interests in the areas of anticoagulation, COPD management, pharmacy student recruitment, and experiential setting student development.



Michael Holowatyj, PharmD, BCPS (2009-2010)

Doctor of Pharmacy degree from Purdue University and Pharmacy Practice Residency at IU Health in Indianapolis. Currently serving as Lead Clinical Pharmacy Specialist in Emergency Medicine at the University of Colorado Health in Colorado Springs, Colorado. Dr. Holowatyj established the emergency department service line for pharmacy in 2012 for this level 1 trauma and comprehensive stroke center and has now expanded the position to include seven clinical pharmacists to provide 24 hour emergency department coverage.



Jennifer Slavens, PharmD, BCPS (2010-2011)

Doctor of Pharmacy degree from Purdue University College of Pharmacy and Pharmacy Practice Residency at IU Health in Indianapolis, IN. Dr. Slavens worked for 2 years at The Ohio State University Wexner Medical Center before returning to the Indiana University Health system in early 2013. Currently works at Indiana University Health Arnett in Lafayette, IN as the pharmacy clinical coordinator. Her interests are orthopedics, pain management, and liver disease.



Tamara Knight, PharmD, BCPS (2011-2012)

Doctor of Pharmacy degree from the University of Texas College of Pharmacy. Pharmacy Practice Residency at Seton Healthcare Family/University of Texas College of Pharmacy, Austin, TX. Currently Tamara is a Clinical Pharmacy Manager for Seton Healthcare Family in Austin, TX primarily serving the academic hospitals Dell Seton Medical Center at the University of Texas and Dell Children's Medical Center of Central Texas. Tamara served as the residency program director for the PGY2 Internal Medicine Residency Program at Seton Healthcare Family for 5 years and will now serve as the Residency Program Director for the PGY1 and PGY1 pediatric focus residency program and coordinator of Seton residency programs. Tamara's interests include cardiology, anticoagulation, transitions of care and antimicrobial stewardship.



Kyle Davis, PharmD, BCPS (2012-2013)

Doctor of Pharmacy degree from the University Of Florida School Of Pharmacy. Pharmacy practice residency at Jackson Memorial Hospital, Miami, FL. Currently, a Clinical Pharmacy Specialist in internal medicine at Wake Forest Baptist Medical Center in Winston Salem, NC. His areas of interest include anticoagulation, cardiometabolic disorders, and chronic liver disease.



Caitlin Gibson, PharmD, BCPS, BCCP (2013-2014)

Doctor of Pharmacy degree from the University Of Texas College Of Pharmacy. Pharmacy Residency at the Dallas VA Medical Center, Dallas, TX. Currently, an Assistant Professor of Pharmacy at the University of North Texas College of Pharmacy and a Clinical Pharmacy Specialist in Internal Medicine/Cardiology at the Medical City Arlington. Her areas of interest include cardiovascular disease, cultural competency, inter-professional education, and educational research.



Phillip King, PharmD, BCPS (2014-2015)

Doctor of Pharmacy degree from Northeast Ohio Medical University (NEOMED) College Of Pharmacy. Pharmacy practice residency at The University of Toledo Medical Center, Toledo, OH. Currently, an Assistant Professor of Pharmacy Practice at NEOMED and a Clinical Pharmacy Specialist in Neurology/Cardiology at the Summa Health, Akron Campus, Akron, OH. His areas of interest include antithrombotic therapy, transitions of care, public perception of pharmacists, and educational research.



Tutran Nguyen, PharmD, BCPS (2015-2016)

Doctor of Pharmacy degree from the Massachusetts College of Pharmacy and Health Sciences. Pharmacy practice residency at Lahey Hospital and Medical Center, MA. Currently, an Clinical Pharmacy Specialist in internal medicine at the Massachusetts General Hospital and adjunct faculty at Northeastern University. Her areas of interest include liver disease, renal disease, cardiovascular disease, and medication safety.



Lisa Kingdon, PharmD, BCPS, CPE (2016-2017)

Doctor of Pharmacy degree from Butler University College of Pharmacy. Pharmacy practice residency at Indiana University Health, Indianapolis, IN. Currently a Clinical Cardiology Pharmacist at Community Heart and Vascular Hospital in Indianapolis, IN. Her areas of interest include cardiovascular disease, chronic obstructive pulmonary disease, and pulmonary hypertension.



Kayla Thompson, PharmD, BCPS (2017-2018)

Dr. Thompson obtained her Doctor of Pharmacy degree from Purdue University. She completed her pharmacy practice residency at Indiana University Health. Currently, an Assistant Professor of Pharmacy Practice at Nova Southeastern University and Internal Medicine Clinical Pharmacy Specialist at Delray Medical Center. Her areas of interest include heart failure, hyperlipidemia, liver disease, and mentoring students pursuing post-graduate education.



Regan Wade, PharmD, BCPS (2018-2019)

Doctor of Pharmacy at Auburn University Harrison School of Pharmacy. PGY1 pharmacy residency at Indiana University Health in Indianapolis, IN. After completing her PGY2 internal medicine pharmacy residency, Regan joined the University of Louisville Health system as a clinical specialist in Internal Medicine. Her practice interests include cardiovascular disease and anticoagulation. .



Lindsay Harris, PharmD (2019-2020)

Dr. Harris obtained her Doctor of Pharmacy degree from Purdue University. She completed her PGY1 pharmacy residency at Mercy Hospital St. Louis with the St. Louis College of Pharmacy. After completing her PGY2 internal medicine residency, she plans to pursue a clinical faculty position at a college of pharmacy with a clinical practice site at an academic medical center as an internal medicine specialist. Her practice interests include infectious diseases and academia.