

PGY1 Residency Preceptors



Jennifer Locker, PharmD, BCPS

Title: PGY-1 Residency Program Director, Manager, Clinical Pharmacy Services

Email: jennifer.Locker@aah.org

Education: Pharm.D., Purdue University, 2001

Training: PGY-1, Advocate Lutheran General Hospital, 2002

Practice Area: Administration

Year-Long Project Learning Experience: A fundamental responsibility of clinical health-system pharmacists involves developing, designing, implementing, evaluating, and presenting research or quality improvement projects. To effectively prepare pharmacy residents for these activities, a longitudinal, year-long project component is embedded in the PGY1 residency program.

Project ideas are submitted to the AH Pharmacy Research Project Advisory Board (RPAB) in the spring, prior to the incoming residency class. After thorough review, the RPAB approves project ideas that are feasible to complete within the residency year and add value to the organization. Selected projects are assigned to the LGH PGY1 Residency Program. PGY1 residents collaborate with the RPD to align projects with their areas of interest, and projects are assigned accordingly. Residents work primarily with one project mentor but may have additional preceptors based on the project's scope. Upon completion, residents produce a manuscript suitable for publication and present their year-long project at a major conference, typically the IL Pharmacy Resident Conference held annually in the spring.

Practice Management/Administration Learning Experience: This learning experience introduces residents to various practice management topics, including principles of the pharmacy budget, purchasing and inventory control, quality improvement, leadership, management, staff development, and human resources. These topics are presented by various AH pharmacy leaders as part of the Leadership Development Series (LDS). Residents attend and participate in virtual LDS sessions throughout the year. Additionally, residents spend one week with the clinical manager to participate in leadership meetings, conduct interviews, and complete assigned administrative projects.



Debby Bryniarski, PharmD

Title: Director Pharmacy Operations, Chief Operating Officer

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Education: Pharm.D., University of Illinois at Chicago, 1989

Training: PGY-1, Advocate Lutheran General Hospital, 1990

Practice Area: Administration



Tricia Bubacz, PharmD, BCPS

Title: PGY-1 Residency Coordinator, Clinical Pharmacist Specialist

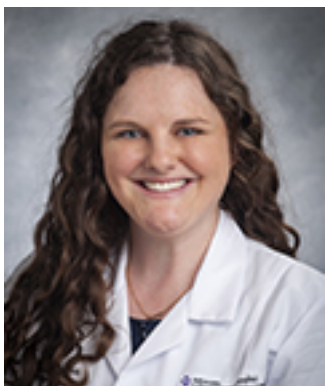
Email: tricia.bubacz@aah.org

Education: Pharm.D., University of Wisconsin - Madison, 2001

Practice Area: Orientation, Staffing

Orientation Learning Experience: This learning experience orients the resident to the distributive processes within the pharmacy, electronic medical record (EMR), order verification, medication related policies and procedures, and clinical services provided by the department including pharmacy to dose protocols.

Staffing Learning Experience: Residents staff every third weekend 8-hour shifts, one 4-hour weekday PM shift per week (one week off every six weeks), and one or two of seven holidays throughout the year. Weekend shifts may be day, midday, or evening shifts. This learning experience is designed to allow the resident to become familiar with the preparation and distributive process within the pharmacy along with clinical services provided by the department. This includes learning the electronic order verification process, navigating the electronic medical record (EMR), managing pharmacy-to-dose protocols, participating in the medication reconciliation process, and providing drug information to healthcare professionals as needed to optimize medication therapy. Typically, residents cover general medicine, cardiology, rehab and surgical units during their shifts. As the year progresses, the resident's comfort level increases and the resident can demonstrate competency, there may be the opportunity to train and staff in specialty areas such as the emergency department, critical care, pediatrics and oncology.



Jill Argotsinger, PharmD, BCIDP

Title: PGY2 Infectious Diseases Residency Program Director; Clinical Pharmacist Specialist, Infectious Diseases; Advocate Lutheran General Hospital

Email: jill.argotsinger@aah.org

Education: PharmD, Butler University, 2018

Training: PGY-1, Conemaugh Memorial Medical Center, Johnstown, PA, 2019; PGY2 Infectious Diseases, Advocate Lutheran General Hospital, 2020

Practice Area: Infectious Diseases, Antimicrobial Stewardship

Research Interests: multi-drug-resistant gram-negative infections, Pharmacokinetics/pharmacodynamics of antimicrobials, antimicrobial stewardship and resistance

Infectious Disease Learning Experience: The Adult Infectious Diseases rotation is an five-week learning experience designed for residents to expand their ID knowledge and apply clinical and problem-solving skills necessary to assess, evaluate, and develop empiric pharmaceutical care plans, and provide antimicrobial stewardship recommendations for patients with suspected or documented infectious disease states to the Adult Infectious Diseases team in order to optimize a patient's antimicrobial regimen.



Lindsey Berg, PharmD, BCPS

Title: Clinical Pharmacist

Email: lindsey.berg@aah.org

Education: PharmD, Midwestern University Chicago College of Pharmacy, 2020, Bachelor of Science in Chemistry University of Illinois Urbana-Champaign, 2016

Training: PGY-1 Advocate Illinois Masonic Medical Center, 2021

Practice Area: Outpatient/Inpatient Anticoagulation, & clinically trained inpatient

Outpatient Anticoagulation Clinic Learning Experience: This learning experience allows the resident to apply didactic knowledge to develop practice skills needed for appropriate anticoagulation selection, monitoring and treatment. Emphasis is placed on enhancing the resident's understanding of diseases requiring chronic and acute anticoagulation. Residents demonstrate knowledge of the mechanism of action, pharmacokinetics, pharmacodynamics, contraindications, interactions and adverse reactions associated with anticoagulants, focusing on warfarin. Residents follow patients for several weeks to monitor response to therapy and adjust warfarin doses as needed to maintain INRs in therapeutic range. By working with a designated group of patients and pharmacists, residents further develop their communication and patient education skills.



Elizabeth Bisaccia, PharmD, BCPPS

Title: Clinical Pharmacist Specialist, Investigational Drug Services

Email: elizabeth.bisaccia@aah.org

Education: Pharm.D. University of Illinois at Chicago 2012

Training: PGY-1 NorthShore University HealthSystem 2013, PGY-2 Pediatrics Advent Health for Children 2014

Practice Area: Investigational Drug Services

Research Interests: Pediatric clinical trials, pediatric oncology and the Children's Oncology Group, optimization of the electronic health record for investigational dispensing

Investigational Drug Service Learning Experience: Residents develop an understanding of the role and responsibilities of the institutional review boards, gain experience reviewing research proposals, and coordinate pharmacy-related activities pertaining to active studies. Residents actively engage in performing duties related to active clinical trials including attending protocol review meetings, IRB meetings and other study team meetings as appropriate. Punctuality, integrity and an understanding of confidentiality of proprietary property are required.



Krista Carlson, PharmD, ACRP-CP

Title: Pharmacy Program Coordinator - Investigational Drug Services

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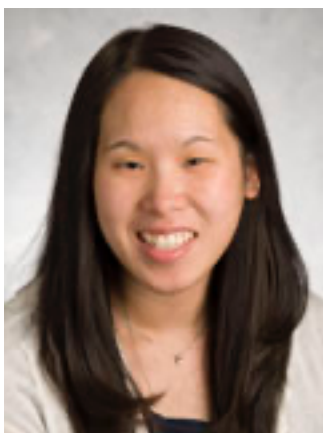
Education: Pharm.D., Drake University 2005

Training: PGY-1 Mercy Medical Center North Iowa 2006

Practice Area: Investigational Drug Services

Research Interests: Clinical trials, oncology trials, neurology trials

Investigational Drug Service Learning Experience: Residents develop an understanding of the role and responsibilities of the institutional review boards, gain experience reviewing research proposals, and coordinate pharmacy-related activities pertaining to active studies. Residents actively engage in performing duties related to active clinical trials including attending protocol review meetings, IRB meetings and other study team meetings as appropriate. Punctuality, integrity and an understanding of confidentiality of proprietary property are required.



Karen Caylor, PharmD, BCPS

Title: Clinical Pharmacist Specialist, Pediatric Critical Care

Email: karen.chincaylor@aah.org

Education: Pharm.D., University of Illinois at Chicago, 2007

Training: PGY-1, Advocate Lutheran General Hospital, 2008; PGY-2 Pediatrics, University of Illinois at Chicago, 2009

Practice Area: Pediatric Intensive Care Unit

Research Interests: Sedation use in PICU patients, pediatric emergency training for pharmacists, and opioid and benzodiazepine withdrawal in children

Pediatric Intensive Care Learning Experience: The pediatric intensive care unit (PICU) learning experience focuses on the provision of pharmaceutical care services to the pediatric population. The PICU is a 19- bed unit that encompasses patients ranging in age from newborns to adolescents. The patient population includes traumas, post-operative cases, and general medical issues. Residents participate in daily rounds with an interdisciplinary team, of which responsibilities include review of patient profiles, provision of drug information, development of evidence based therapeutic plans, and development of short and long-term monitoring plans. Residents also assist with pharmacokinetic monitoring, providing parenteral nutrition support, and participating in pediatric emergencies. Residents participate in one to two topic discussions each week. Topics include but are not limited to septic shock, traumatic brain injury, seizures, diabetic ketoacidosis, pressors/neuromuscular blockers, pulmonary hypertension, continuous renal replacement therapy, and extracorporeal membranous oxygenation. Residents provide education through in-services and formal presentations to the pharmacy staff, physicians, and nurses.



Drew Dietrich, PharmD, BCPS

Title: Clinical Pharmacy Specialist, Medication Safety and Formulary Management

Email: drew.dietrich@aah.org

Education: PharmD, Midwestern University, 2018

Training: PGY-1, Rush University Medical Center, 2019

Practice Area: Medication Safety

Research Interests: Medication Safety

Medication Safety Learning Experience: This learning experience introduces the resident to drug information, medication use evaluation, medication safety, drug shortage management, and medical informatics. The resident will further develop their skills in medical writing, literature evaluation/statistics, medication error prevention, and practice-based education and training. The resident will have the opportunity to attend both enterprise and site-based safety huddles, review and analyze medication safety events to identify root causes and develop preventative strategies. The resident may have the opportunity to assist with precepting and serve as a role model for student(s) during the learning experience.



Amish Doshi, Pharm.D., BCCCP

Title: Clinical Pharmacist Specialist, Surgical Intensive Care

Email: amish.doshi@aah.org

Education: Pharm.D., St. Louis College of Pharmacy, 1997

Training: PGY-1, Advocate Lutheran General Hospital, 2003

Practice Area: Surgical Intensive Care

Research Interests: Traumatic brain injury, sedation and analgesia in critically injured patients

Surgical Intensive Care Learning Experience: The Surgical Intensive Care Unit (SICU) is a 16 bed closed unit which is comprised primarily of trauma, cardiovascular surgery, neurosurgery, orthopedic, and general surgery patients. Lutheran General Hospital serves as a site for surgical resident training. Residents choosing to rotate through the SICU would participate in multidisciplinary trauma rounds providing recommendations on medication therapy and monitoring as well as reviewing medication therapy for non-trauma patients. Opportunities to provide informal pharmacotherapy education during rounds and formal lectures during noon conference or morning report to our surgical residents may be available. Attendance at various committee meetings throughout the hospital is required.



Paul Drahos, Pharm.D., BCPS

Title: Clinical Pharmacist Specialist

Email: paul.drahos@aah.org

Education: University of Illinois at Chicago

Training: PGY1, Edward Hines, Jr. VA Medical Center

Practice Area: Pharmacy Integrated Clinical Services (PICS)

Virtual Pharmacy Services Learning Experience: Virtual Pharmacy Services (VPS) is a required, four-week learning experience. The resident will be responsible for the timely review and verification of medication orders with the goal of attaining the ability to practice as an independent clinical pharmacist by ensuring medication orders are safe, appropriate, and complete prior to verification. All order verification will adhere to AAH's established Standards of Practice. The rotation takes place at AH's primary VPS hub in IL located at the Integrated Services Center in Arlington Heights. This experience is offered to supplement the staffing learning experience given 90% of order verification is completed by the VPS team.



Amina George, Pharm.D., BCCCP

Title: PGY-2 Critical Care Residency Coordinator; Clinical Pharmacist Specialist, Neurocritical Care and Operating Room

Email: amina.george@aah.org

Education: Pharm.D., University of Illinois at Chicago, 2008

Training: PGY-1, Advocate Lutheran General Hospital, 2009

Practice Area: Neurocritical Care Unit

Research Interests: Stroke, traumatic brain injury, status epilepticus

Neurocritical Care Unit Learning Experience: The Neurocritical Care Unit (NCCU) is a 18 bed ICU that specializes in the care of patients with various pathologic neurologic conditions including, but not limited to, stroke, isolated traumatic brain injury, and status epilepticus. The NCCU is managed by Neurointensivists and Advanced Practice Nurses. The learning experience is designed for pharmacy residents to identify and develop the skills, knowledge, and values necessary to practice in an intensive care setting, with an emphasis on neurologic disease state management. Residents participate in multidisciplinary bedside rounds with an attending physician, APNs, nursing staff, clinical pharmacist, respiratory therapist, and medical residents and students. This team meets daily to discuss and optimize patient care.



Tyler Golembiewski, PharmD., BCPPS

Title: Clinical Pharmacist Specialist, Pediatrics

Email: tyler.golembiewski@aah.org

Education: Pharm.D., Midwestern University, 2013

Training: PGY-1, Children's Minnesota, 2016

Practice Area: General Pediatrics

Research Interests: General pediatrics and cystic fibrosis

General Pediatrics Learning Experience: The activities of the experience allow the resident to build upon information acquired in their didactic education and practice skills needed for patient care, with emphasis on demonstrating an understanding of common acute and chronic medical illnesses in pediatrics and treatment of these conditions, assessing appropriateness of medications used, and demonstrating knowledge of mechanism of action, pharmacokinetics, pharmacodynamics, contraindications, interactions, and adverse reactions of medications commonly used in pediatrics. The general pediatric units consist of 44 beds. Resident responsibilities include participating in daily rounds, assisting physicians in drug selection, dosing, and monitoring, documenting medication errors, updating medication guidelines as needed, providing medication counseling and education to patients and family members and teaching resident physicians, nurses, and pharmacists.



Anna Grinberg, PharmD, BCPS

Title: Clinical Pharmacy Specialist

Email: anna.grinberg@aah.org

Education: PharmD, Midwestern University, 2009

Training: PGY-1, St. Joseph Medical Center, Tacoma WA, 2013

Practice Area: Inpatient Oncology, Transplant and Cellular Therapy

Research Interests: Hematology, Transplant, Cellular Therapy, Oncology Supportive Care, Transitions of Care

Bone Marrow Transplant Learning Experience: Residents choosing to take the Bone Marrow Transplant Elective will learn to care for patients undergoing both autologous & allogeneic hematopoietic stem cell transplant, as well as those receiving cellular therapy products (e.g., CAR-T). The learning experience allows for residents to further their clinician knowledge and develop interdisciplinary communication skills in an inpatient oncology setting. Residents will participate in daily rounds with an attending physician, APCs, and nurses. Additionally, residents will learn how to review and verify chemotherapy orders for appropriateness.



Jason Groch, PharmD, BCPS, BCSCP

Title: Coordinator - Operations, Pharmacy

Email: jason.groch@aah.org

Education: Pharm.D., Midwestern University, 2012

Practice Area: Sterile products

Sterile Compounding Learning Experience: The sterile compounding 2-week required learning experience provides the resident with an understanding of key concepts including aseptic technique, clean room operations, team management and regulatory requirements. The learning experience also provides the resident with a detailed background on the handling and management of hazardous drugs within the healthcare setting. The resident will spend time evaluating and adjusting workflows to improve safety, quality and efficiency of compounding operations. Across the experience, the resident will learn to interpret and apply United States Pharmacopeia 797 and 800 guidelines that provide foundational information for clean room operations. The resident will collaborate with pharmacists, pharmacy technicians, nurses and medical staff to resolve operational challenges to ensure safe and accurate medication compounding and delivery. An elective rotation will further build upon these concepts for those residents who elect to spend more time on this learning experience.



Kelly Kopec, PharmD., BCPPS

Title: Clinical Pharmacy Specialist, Pediatrics

Email: kelly.kopec@aah.org

Education: Pharm.D., University of Illinois at Chicago, 1994

Training: PGY-1, University of Illinois at Chicago, 1995

Practice Area: Neonatal Intensive Care Unit

Research Interests: Neonatal nutrition; optimization and adverse effects, neonatal infectious disease, neonatal pharmacokinetics

Neonatal Intensive Care Learning Experience: The neonatal intensive care unit (NICU) is a level III nursery with ECMO capability and an average daily census of 35 – 40 infants. The resident participates on rounds with a multidisciplinary team consisting of physicians, medical residents and fellows, nurses and pharmacists. During rounds the pharmacist is responsible for checking all medication orders for accuracy based on the patient's weight, gestational age, disease state, and lab results. The resident develops evidence based therapeutic plans and ensures that appropriate short and long-term monitoring parameters are followed. Other responsibilities include responding to drug information requests, evaluating medication usage, participating in performance improvement initiatives, responding to Code Blue situations, and development of treatment pathways, educating physicians, nurses and patients as needed. Several topics are covered during the learning experience including developmental pharmacokinetics, osteopenia of prematurity, infectious diseases in the NICU, pain management, respiratory distress syndrome and BPD, seizures, treatment of PDA, surfactants, neonatal nutrition support, prevention of RSV, apnea of prematurity, retinopathy of prematurity, causes and prevention of IVH, ECMO, necrotizing enterocolitis, prenatal HIV exposure.



Ashley Lange, PharmD, BCPPS

Title: Clinical Pharmacy Specialist, Pediatric Critical Care

Email: ashley.lange@aah.org

Education: PharmD, Midwestern University, 2015

Training: PGY-1, Children's Hospital of Wisconsin, 2016; PGY-2 Pediatrics, Children's Hospital of Wisconsin, 2017

Practice Area: Pediatric Intensive Care Unit

Research Interests: Pediatric anticoagulation

Pediatric Intensive Care Learning Experience: The pediatric intensive care unit (PICU) learning experience focuses on the provision of pharmaceutical care services to the pediatric population. The PICU is a 19- bed unit that encompasses patients ranging in age from newborns to adolescents. The patient population includes traumas, post-operative cases, and general medical issues. Residents participate in daily rounds with an interdisciplinary team, of which responsibilities include review of patient profiles, provision of drug information, development of evidence based therapeutic plans, and development of short and long-term monitoring plans. Residents also assist with pharmacokinetic monitoring, providing parenteral nutrition support, and participating in pediatric emergencies. Residents participate in one to two topic discussions each week. Topics include but are not limited to septic shock, traumatic brain injury, seizures, diabetic ketoacidosis, pressors/neuromuscular blockers, pulmonary hypertension, continuous renal replacement therapy, and extracorporeal membranous oxygenation. Residents provide education through in-services and formal presentations to the pharmacy staff, physicians, and nurses.



Andrew McInerney, PharmD, BCEMP

Title: Clinical Pharmacy Specialist, Emergency Medicine

Email: andrew.mcinerney@aah.org

Education: PharmD, University of Illinois at Chicago, 2021

Training: PGY-1, Advocate Christ Medical Center, 2022; PGY-2 Emergency Medicine, Advocate Christ Medical Center, 2023

Practice Area: Emergency Department

Research Interests: trauma resuscitation, neurologic emergencies

Emergency Medicine Learning Experience: The emergency department (ED) is a training site for emergency medicine residents from the University of Illinois at Chicago, internal medicine and family practice residents from Lutheran General, medical and pharmacy students. The department has 45 adult and 12 pediatric beds. There are approximately 80,000 visits per year resulting in over 30,000 inpatient admissions. During the ED learning experience, pharmacy residents will serve as a resource to physicians and nurses as drug information specialists and aid in the selection and dosage of medications prescribed in the Emergency Department.

Residents assist in the care and monitoring of critical care patients in the ED. This includes bedside participation in traumas, cardiac arrests, stroke alerts, rapid sequence intubations, etc. Other activities performed include reviewing patient charts, formulating differential diagnoses, reviewing culture callbacks, presenting in-services to the ED staff, leading topic discussions, and completion of various projects. Due to the unpredictability of workload and patient acuity, timing and volume of activities vary.



Jessica Miller, PharmD, BCIDP

Title: Clinical Pharmacy Specialist, Infectious Diseases; Advocate Lutheran General Hospital and Advocate Children's Hospital

Email: Jessica.miller@aah.org

Education: PharmD, St. Louis College of Pharmacy, 2016

Training: PGY1, Advocate Lutheran General Hospital, Park Ridge, IL, 2016-2017; PGY2 Infectious Diseases, Advocate Lutheran General Hospital, Park Ridge, IL, 2017-2018

Practice Area: Infectious Diseases, Antimicrobial Stewardship

Research Interests: antimicrobial stewardship, rapid diagnostics, antimicrobial resistance, multi- drug-resistant gram-negative organisms

Pediatric Infectious Diseases Learning Experience: The Pediatric Infectious Diseases learning experience is designed to introduce residents to antimicrobial stewardship principles as well as develop the resident's clinical knowledge and skills in providing optimal evidence-based pharmaceutical care to pediatric patients with infectious syndromes. The resident will have the opportunity to become an integral member of the pediatric infectious diseases multidisciplinary team and perform handshake stewardship with the pediatric antimicrobial stewardship team.



Rachel Neu, PharmD, MPharm, BCPS

Title: Assistant Professor (Pharmacy Practice), Rosalind Franklin University of Medicine and Science; Internal Medicine Pharmacy Specialist

Email: rachel.Neu@aah.org

Education: PharmD, Wayne State University, 2018; MPharm, University of Strathclyde, 2008

Training: PGY-1, Ascension St. John Hospital, MI, 2018-2019; PGY-2 Internal Medicine, NorthShore University HealthSystem, IL, 2019-2020

Practice Area: Internal Medicine

Research Interests: Transition of care, cardiology, nephrology, anticoagulation

Academia Learning Experience: The Academia rotation is a four-week elective for PGY2 Infectious Disease pharmacy residents, completed at Rosalind Franklin University of Medicine and Science College of Pharmacy. This experience is designed to introduce residents to the core components of academia, including teaching, scholarship, and service.

Residents will participate in course planning and administration, develop instructional materials, write assessment questions, grade assignments, and analyze exam performance. Each resident is expected to design and deliver a didactic lecture. Additional responsibilities may include participating in admission interviews, attending faculty and/or committee meetings, advising students, facilitating recitations, and collaborating in interprofessional activities.



Rachel Neu, PharmD, MPharm, BCPS

Title: Assistant Professor (Pharmacy Practice), Rosalind Franklin University of Medicine and Science; Internal Medicine Pharmacy Specialist

Email: rachel.Neu@aah.org

Education: PharmD, Wayne State University, 2018; MPharm, University of Strathclyde, 2008

Training: PGY-1, Ascension St. John Hospital, MI, 2018-2019; PGY-2 Internal Medicine, NorthShore University HealthSystem, IL, 2019-2020

Practice Area: Internal Medicine

Research Interests: Transition of care, cardiology, nephrology, anticoagulation

Internal Medicine Learning Experience: The Internal Medicine rotation is a four-week required learning experience to provide PGY1 pharmacy residents with direct patient care experience in an inpatient internal medicine setting. Residents actively participate in interdisciplinary rounds, assess medication regimens, identify drug-related problems, and provide evidence-based pharmacotherapeutic recommendations for adult patients with a wide variety of acuity and complexity. Emphasis is placed on gaining proficiency in developing clinical reasoning and interprofessional communication skills.

Residents will round with one of the internal medicine teams and will be expected to serve as the team's pharmacist during their rotation. Daily responsibilities include comprehensive review of patients' medication profiles, conducting thorough medication histories, completing medication reconciliations on admission and discharge, providing drug information services, and actively participating in daily teaching rounds. Residents are expected to demonstrate increasing independence in patient care provision over time. Residents may also participate in a layered learning model by precepting APPE and IPPE students.



Michael Schmidt, PharmD, BCOP

Title: Clinical Pharmacy Specialist, Hematology/Oncology/Cellular Therapy

Email: michael.schmidt@aah.org

Education: PharmD, University of Illinois at Chicago, 2015

Training: PGY-1, University of Illinois at Chicago, 2016, PGY-2 Oncology, Rush University Medical Center, 2017

Practice Area: Bone Marrow Transplant

Research Interests: Hematological Malignancies, Supportive Care, Cellular Therapy

Bone Marrow Transplant Learning Experience: The Bone Marrow Transplant Elective will learn to care for patients undergoing both autologous & allogeneic hematopoietic stem cell transplant, as well as those receiving cellular therapy products (e.g., CAR-T). The learning experience allows for residents to further their clinician knowledge and develop interdisciplinary communication skills in an inpatient oncology setting. Residents will participate in daily rounds with an attending physician, APCs, and nurses. Additionally, residents will learn how to review and verify chemotherapy orders for appropriateness.



Jill Starykowicz, Pharm.D., BCCCP

Title: PGY-2 Critical Care Residency Program Director; Clinical Pharmacy Specialist, Cardiology/Critical Care

Email: jill.starykowicz@aah.org

Education: Pharm.D., University of Illinois at Chicago, 2006

Training: PGY-1, University of Illinois at Chicago, 2007; PGY-2 Cardiology, University of Massachusetts Medical Center, 2009

Practice Area: Cardiac/Medical Intensive Care Unit

Research Interests: Delirium in the medical intensive care, severe alcohol withdrawal

Medical/Cardiac Intensive Care Learning Experience: The MCICU and Interventional Unit consists of a 32-bed unit with 10 beds devoted to cardiology and the remaining dedicated to the medical intensive care group. The learning experience is designed for pharmacy residents to develop the skills, knowledge, and values expected by a clinical pharmacy specialist practicing in critical care medicine and tailored to the resident's previous critical care experience. Residents participate in bedside rounds with an attending physician, medical residents and interns, emergency medicine interns, palliative care physician and nurse, clinical pharmacist, respiratory therapist, clinical ethicist, and nurses. This team meets daily to discuss and optimize patient care. In addition to bedside rounds, teaching rounds occur daily to cover topic discussions and issues related to patients in the unit. Topics are presented by various attending physician who are specialists in their area of practice.