# The University of North Carolina Medical Center
## Health-System Pharmacy Administration Residency
### Current and Graduated Residents

<table>
<thead>
<tr>
<th>Class of 2017</th>
<th>Class of 2014</th>
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| **Samuel Eberwein, PharmD**  
Campbell University | **Christian Conley, PharmD, MS**  
Samford University |
| **Bijan Mekoba, PharmD**  
Howard University | **Sarah Moore, PharmD, MS, BCPS**  
University of North Carolina |
| **Patricia Roberts, PharmD**  
The Ohio State University | **Kayley Lyons, PharmD, MS, BCPS**  
South Dakota State University |
| **Erin Turingan, PharmD**  
University of North Carolina | **Shailey Shah, PharmD, MS, BCPS**  
University of Pittsburgh |

<table>
<thead>
<tr>
<th>Class of 2016</th>
<th>Class of 2013</th>
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| **Danielle Griggs, PharmD, MBA**  
University of Kentucky | **Matt Lamm, PharmD, MS, BCPS**  
University of North Carolina |
| **Kevin Hansen, PharmD**  
Lake Erie College of Osteopathic Medicine | **Ryan Moore, PharmD, MS, BCACP**  
University of Nebraska |
| **David Marr, PharmD, MBA**  
University of Kentucky | **Jeff Reichard, PharmD, MS, BCPS**  
University of North Carolina |
| **David South, PharmD**  
Samford University | **Adam Wolfe, PharmD, MS, BCPS**  
University of Utah |

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<tr>
<th>Class of 2015</th>
<th>Class of 2012</th>
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| **Elizabeth Hess, PharmD, MS**  
The Ohio State University | **Jacob Holler, PharmD, MS, BCPS**  
University of Michigan |
| **Jami Mann, PharmD, MBA, MS, BCPS**  
University of Kentucky | **Ian Willoughby, PharmD, MS, BCPS**  
University of North Carolina |
| **Daniel O’Neil, PharmD, MS, BCPS**  
Lake Erie College of Osteopathic Medicine | **Class of 2011**  
**Lindsey Poppe, PharmD, MS, BCPS**  
University of Wyoming |
| **Halena Leah Sautman, PharmD, MS, BCPS**  
Palm Beach Atlantic University |  |

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<th>Class of 2010</th>
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| **Alex Jenkins, PharmD, MS**  
University of North Carolina |  |
| **Erinn Rowe, PharmD, MS**  
University of Georgia |  |
Masters Projects

- **Mekoba BC.** Assessment of the pharmacy dispensing channel impact on medication adherence and health care utilization in the UNC Pharmacy Assistance Program.
- **Eberwein SE.** Development of a Competency Assessment Program for Clinical Pharmacists at an Academic Medical Center.
- **Hansen KN.** Utilization of prescriptive analytics to reduce high length of stay through targeted pharmacy interventions in the acute care setting.
- **Marr TD.** Transitional care services delivered through a comprehensive medication therapy management acute care practice model: a pilot study.
- **Griggs DA.** Evaluation of Pharmacy Benefit Incentive Program and the Impact on Utilization, Cost-savings, and Adherence.
- **South DA.** Implementation of a Prospective Clinic-Based Pharmacist Charge Monitoring Process.
- **Sautman HL.** Compliance and Optimization of the 340B program at an Academic Medical Center.
- **O’Neil DP.** Optimization of Automated Dispensing Machines at an Academic Medical Center.
- **Mann JE.** Clinical Pharmacist Competency Needs Assessment at an Academic Medical Center.
- **Hess ET.** Evaluation of Pharmacist Error Detection Rate in the Sterile Products Area.
- **Shah SK.** Evaluation of Pharmacy Residency Assessment Programs.
- **Conley C.** Evaluation of Microbial Ingress Prevention using a Closed System Transfer Device.
- **Moore SJ.** Use of video technology in improving pharmacist efficiency and patient comprehension with anticoagulation counseling.
- **Lyons K.** Pilot of a survey to compare hospital pharmacy practice to the Federation of International Pharmacists (FIP) Basel Statements.
- **Moore R.** Evaluation of a Pharmacy-Based Medication Delivery Service and Impact on Hospital Readmissions: A Pilot Study.
- **Lamm M.** Analyzing methods for improving outpatient chemotherapy preparation turnaround time in a freestanding, cancer hospital infusion/inpatient pharmacy.
- **Wolfe A.** Using focus groups to develop a department of pharmacy communication plan.
- **Willoughby I.** Implementation and impact of a tiered formulary in a charity care patient population: the Carolina Assessment of Medications Program (CAMP).
- **Poppe L.** Assessment of dosing accuracy when using volumetric technique in the preparation of chemotherapy.
- **Jenkins A.** Analyzing Methods for Improved Management of Workflow in an Outpatient Pharmacy Setting.
- **Rowe E.** Chemotherapy drug vial optimization utilizing a closed system transfer device.
Publications

- O'Neil DP, Miller A, Cronin D, Hatfield CJ. Automated Dispensing Cabinet Optimization. American Journal of Health-System Pharmacy. Accepted for Publication.


- Mann JE, Dipper A, Rowe E, Hatfield C. Lean Six Sigma in the Pharmacy Department. Pharmacy Times. September 2014.


Willoughby IR, Granko, R. Alpha testing order tracking technology at a large academic medical center. Submitted for publication to _Pharmacy Purchasing & Products_. 2011; 8(8):76-78.

Posters


- Shah S. Evaluation of Quality of Residency Assessment Program. [Poster Presentation]. Presented at Research in Education and Practice Symposium, Chapel Hill, NC May 2014


Presentations


- **South DA**. Providing effective care with-out breaking the bank. University of North Carolina Medical Center, Chapel Hill, North Carolina. November 2015. ACPE Accredited 0.75 CEU.


- **Hansen KN**. Influenza Forecasting: Big Data, Social Media, and Predictive Modeling. ACPE Continuing Education Presentation at UNC Medical Center, Chapel Hill, NC; November 2015

- **Hansen KN**, Patel S. Renal Failure. Presentation at Fall Case Conference Series, University of North Carolina Medical Center, Chapel Hill, NC; October 2015

- **Hansen KN**, Patel S. Liver Cirrhosis. Presentation at Fall Case Conference Series, University of North Carolina Medical Center, Chapel Hill, NC; October 2015

- **Hansen KN**. Medication Safety. Pharmacy Administration POD Series. UNC Medical Center, Chapel Hill, NC. 2015-2016


- **Benedict M (moderator), Paul-Aviles F, Hagen J, Smith D, Sautman HL**. 340B Hot Topics. Continuing Education Presentation at 340B University, Chicago, IL, October 2014.

- **Sautman HL**. Drug Supply Chain Security Act: Overview and Impact on the Dispenser. Continuing education presented for Orange County pharmacists at the North Carolina Board of Pharmacy, Chapel Hill, NC, June 2015. 1.0 CEU NC06181563.

- **Sautman HL**. What’s it going to be? The past, present, and future of 340B. Continuing Education Presentation at UNC Medical Center, Chapel Hill, NC, September 2014. APCE # 0046-9999-14-187-L04-P/0046-9999-14-203-L04-P 0.75 CEU

- **Sautman HL**, Davis W, Dills H, Pappas A. Biostatistics Case Conference. Presentation at Fall Case Conference Series, University of North Carolina, Chapel Hill, NC; July 2014.
- **Sautman HL.** The More, the Merrier: New Options for Multiple Myeloma. Continuing Education Presentation at UNC Medical Center, Chapel Hill, NC, May 2014. ACPE# 0046-9999-14-182-L01-P 0.5 CEU
- **Sautman HL, Moss M, Canterbury D, Deyo J.** Solid Organ Transplant and Rejection Case Conference. Presentation at Spring Case Conference Series, University of North Carolina, Chapel Hill, NC; April 2014.
- **Mann JE.** After the ASHP Ambulatory Care Conference and Summit: What happens next? UNC Continuing Education Series, Chapel Hill, NC. October 2014.
- **Mann JE.** Finance Pod. UNC Administration APPE Pod Series. Chapel Hill, NC. October 2014.
- **Mann JE, O’Neil.** Malignant Hyperthermia. Presentation at Ambulatory Care Center Nursing Inservice. September 2014.
- **Mann JE, Roess B, Call R.** Ischemic Stroke. Presentation at Fall Case-Conference Series, Chapel Hill, NC. September 2014.
- **Mann JE.** Pregnancy in the Post-Solid Organ Transplant Patient: What Pharmacists Need to Know. UNC Continuing Education Series, Chapel Hill, NC. May 2014.
- **Mann JE.** Oncologic Emergencies Case Conference. Presentation at Spring Case-Conference Series, Chapel Hill, NC. February 2014.
- **Hess EH, Rao K.** Myers Briggs Type Indicator. Presented at Pharmacy 20/20 Leadership Retreat, Chapel Hill, NC, January 2015.
- **Hess EH.** Crucial Conversations. Presented to UNC Pharmacy Residents at Leadership Training Certificate, Chapel Hill, NC, January 2015.
- **Hess ET, Mann JE.** Innovations at UNC Medical Center, Department of Pharmacy. Presented to Pharmacy Administration Resident Exchange, Madison, WI. July 2014.
- **Hess ET.** Vasodilators. Medical Resident In-service. June 2014.
- **Hess ET.** Just Breath: Inhaled antibiotics for ventilator associated pneumonia. ACPE Continuing Education presented to North Carolina Pharmacists, Chapel Hill, NC. May 2014.
- **Hess ET.** Update on new cholesterol guidelines. Presented to Ambulatory Care Pod, Chapel Hill, NC. January 2014.
- **O’Neil DP.** University of North Carolina Practice Model. Presented to University of West Virginia Department of Pharmacy. Morgantown, West Virginia.
- **O’Neil DP.** Building an Operating Plan. Lecture to PHCY 434, Pharmacy Practice Management Course. University of North Carolina Eshelman School of Pharmacy, Chapel Hill, North Carolina
- **O’Neil DP.** An Acute Care Pharmacy’s Role in Preventing Hospital Readmissions. University of North Carolina, Chapel Hill, North Carolina

- Shah S. Biostatistics Case Conference. Presentation at Spring Case-Conference Series, Chapel Hill, NC; January 2014

- Shah S. A CE on CE: Competency Assurance for Health-System Pharmacists. ACCP-Accredited Continuing Education Presentation, Chapel Hill, North Carolina; October 2013

- Shah S. Accountability and Integrity. Topic Discussion at UNC Pharmacy Residency Leadership Certificate Topic Series, Chapel Hill, NC; September 2013

- Sautman H. Urinary Tract Infections Case Conference. Presentation at Fall Case-Conference Series, Chapel Hill, NC; October 2013.

- Moore, SJ. Investigational Drug Services, Annual Update”. Investigational Drug Service Advisory Board Meeting. Chapel Hill, NC; 2014.

- Moore SJ. Platforms for Performance: Targeting Patients Through Data and Dashboards. ACPE-Accredited Continuing Education Presentation, Chapel Hill, North Carolina; October 2013

- Moore SJ. Hospital Acquired Pneumonia and Community Acquired Pneumonia. Presentation at Fall Case-Conference Series, Chapel Hill, North Carolina; October 2013

- Shah S. A CE on CE: Competency Assurance for Health-System Pharmacists. ACCP-Accredited Continuing Education Presentation, Chapel Hill, North Carolina; October 2013


- Shah S. Drug Shortages Case Conference. Presentation at Fall Case-Conference Series, Chapel Hill, NC; August 2013

- Moore SJ. Investigational drug Services, Annual Update. Investigational Drug Service Advisory Board Meeting; 2013.

- Hess E. Hypertension Case Conference. Presentation at Fall Case-Conference Series, Chapel Hill, NC; August 2013.

- Shah S. Accountability and Integrity. Topic Discussion at UNC Pharmacy Residency Leadership Certificate Topic Series, Chapel Hill, NC; September 2013

- Shah S. Filtering Out Drug Related Problems in Peritoneal Dialysis. ACCP-Accredited Continuing Education Presentation, Chapel Hill, North Carolina; May 2013

- Moore SJ. Insulin Degludec: A New Generation Basal Insulin. ACCP-Accredited Continuing Education Presentation, Chapel Hill, North Carolina; May 2013

- Shah S. Improving Adherence to Formulary Restrictions for Use of IV Acetaminophen. Presented at Southeastern Residency Conference, Athens, Georgia; April 2013

- Shah S. Solid Organ Transplant Immunosuppression: Why we do what we do. Presented to University of North Carolina Hospital’s Transplant Nurses, Chapel Hill, NC; March 2013

- Shah S. Nutrition Case Conference. Presentation at Spring Case-Conference Series, Chapel Hill, NC; January 2013

- Lamm M. Preventing deep-vein thrombosis and pulmonary embolism in acute ischemic stroke patients: assessing the use of heparin versus Enoxaparin for prophylactic anticoagulation. Presentation at the Southeastern Residency Conference, Athens, GA; April 2012

- Moore SJ. Evaluation of Ketamine Use at a large Academic Medical Center. Presentation at the Southeastern Residency Conference, Athens, GA; April 2012.


- Moore SJ. Pediatric Upper Respiratory Infections. Presentation at Fall Case-Conference Series, Chapel Hill, North Carolina; October 2012

- **Lamm M.** Pulmonary Alveolar Proteinosis. Presentation to the University of North Carolina Hospital’s Pediatric Pharmacists, Chapel Hill, North Carolina; September 2011
- **Lamm M.** To Be(latacept) or not to Be(latacept)? That is the Question. ACCP -- accredited continuing education presentation, University of North Carolina Hospitals, Chapel Hill, North Carolina, May 2012
- **Shah SK.** End Stage Renal Disease. Presentation at the Case Presentation Series, University of North Carolina Hospitals, Chapel Hill, North Carolina; September 2012
- **Lyons K.** Residency Roadmap. Presentation at the annual American College of Clinical Pharmacy (ACCP) meeting. October 2012.
- **Lyons K.** The hard facts on soft skills. Continuing Education to Community Pharmacists, 2012
- **Lyons K.** Pneumonia at the Case Presentation Series, University of North Carolina Hospitals, Chapel Hill, North Carolina; September 2012
- **Lyons K.** Acute Decompensated Heart Failure at the Case Presentation Series, University of North Carolina Hospitals, Chapel Hill, North Carolina; September 2012
- **Lyons K and Shah S.** Evaluation of intravenous acetaminophen use at an academic medical center. Presentation at the Southeastern Residency Conference, Athens, GA: April 2012
- **Lyons K.** Multi-drug resistant tuberculosis: 3,000 years in the making. Continuing Education to Community Pharmacists, 2012
- **Moore SJ.** Pediatric Upper Respiratory Infections. Case Conference Presentation, University of North Carolina Hospitals, Chapel Hill, North Carolina; September 2012.
- **Reichard J, Maki J.** A Rounded Tablespoonful: Core Measure and the Future of Pharmacy Interventions. NCAP Annual Convention 2012
- **Reichard J.** Luter N, and Davis R. Liver Disease Case-Conference Presentation, 2012
- **Reichard J, Danelich I, Bai X, and Reed B.** Chronic Heart Failure. Case-Conference Presentation, 2011.
- **Lamm M, Wolfe A.** Medication Safety and Prescription Writing Dental School Lecture University of North Carolina Hospitals, Chapel Hill, North Carolina; 7-2012
- **Wolfe A.** Solid Organ Transplant Case Conference; University of North Carolina Hospitals, Chapel Hill, North Carolina; 2-2012
- **Wolfe A.** Diabetic Ketoacidosis Case Conference; University of North Carolina Hospitals, Chapel Hill, North Carolina; 11-2011


- **Holler J.** Antipsychotic polypharmacy: Just how crazy is it? Presentation at the Spring Seminar Series, University of North Carolina Hospitals, Chapel Hill, North Carolina; April 2011.

- **Holler J.** Taking it once a day at a time: What role does liraglutide play in the management of type II Diabetes Mellitus? Presentation at the Fall Seminar Series, University of North Carolina Hospitals, Chapel Hill, North Carolina; November 2010.

- **Willoughby IR.** Holding pharmacy accountable: The implications of the rise of Accountable Care Organizations for the future of pharmacy.. ACCP--accredited continuing education presentation, University of North Carolina Hospitals, Chapel Hill, North Carolina, January 2012.

- **Willoughby IR.** Emergency Room Pharmacy. ACCP--accredited continuing education presentation, University of North Carolina Hospitals, Chapel Hill, North Carolina, June 2011.

- **Willoughby IR, Savage S, Eckel S.** Evaluation of the effect of carousel dispensing technology in a university hospital oncology pharmacy satellite. Presentation at the Southeastern Residency Conference, Athens, GA; April 2011.

- **Willoughby IR.** The worm within: a case of Neurocysticercosis. Presentation at the Spring Seminar Series, University of North Carolina Hospitals, Chapel Hill, North Carolina; April 2011.

- **Willoughby IR.** Anticipating anacetrapib: cholesteryl ester transfer protein inhibitors and the legacy of torcetrapib. Presentation at the Fall Seminar Series, University of North Carolina Hospitals, Chapel Hill, North Carolina; October 2010.

### Administrative Projects

- **Mekoba BC.** Development of position descriptions for clinical oncology specialists.

- **Mekoba BC.** Generated assessment tool to determine pharmacist readiness for implementation of a Lead Pharmacist or Charge Pharmacist.

- **Turingan E.** Implementation of automated dispensing cabinets for opening new patient care areas.

- **Turingan E.** Preparation of new hospital pharmacy for state board of pharmacy inspection.

- **Roberts PA.** Assessment of current pharmacy replenishment processes in automated and non-automated environments.

- **Eberwein SE.** Assessment of sterile product medication turnaround times.

- **Eberwein SE.** Optimization of ambulatory pain clinic patient triage and workflow.

- **Eberwein SE.** Development of a report for pharmacy product returns.

- **Eberwein SE.** Updated department of pharmacy nursing orientation strategies.

- **South DA.** Feasibility of Space Consolidation for Two Investigational Drug Services Satellite Locations.
- **South DA.** Evaluation of Variation in Stocked Inventory among Inpatient Pharmacy Locations.
- **South DA.** Proposal for Enhanced Pharmacy Operations Support for Off-site Clinics.
- **South DA.** Frozen Antibiotic Use Evaluation and Financial Implications.
- **South DA.** Justification for Therapeutic Infusion Center Pharmacist and Technician.
- **South DA.** Blood Factor Consignment at Carolina Pointe II.
- **Hansen KN.** Facilitated UNC Pharmacy Administration POD for students and residents.
- **Hansen KN.** Facilitated and co-developed pharmacy residency website.
- **Hansen KN.** Co-facilitated outpatient pricing restructuring for non-sterile compounded medications.
- **Hansen KN.** Proposal for compounding dilute morphine for neonatal abstinence syndrome.
- **Hansen KN.** Development of a pediatric code sepsis dashboard.
- **Hansen KN.** Assessment of pediatric hospital pharmacy benchmarking.
- **Hansen KN.** Assessment of implementing a system-level formulary across our health-system.
- **Hansen KN.** Assessment of our outpatient oral chemotherapy workflow process.
- **Hansen KN.** Development of an acute care services emergency staffing plan.
- **Marr TD.** Assessment of Acute Care Pharmacy Practice Model at UNC Medical Center.
- **Marr TD.** Transitions of Care Pharmacy Services Dashboard.
- **Marr TD.** Development of Perpetual Inventory Management for Pyxis Anesthesia Machines.
- **Marr TD.** Development of Central Fill Retail Services at UNC Shared Services Center.
- **Marr TD.** Controlled Substances Gap Analysis and Action Plan at UNC Shared Services Center.
- **Marr TD.** Call Center Dashboard at UNC Specialty Pharmacy.
- **Marr TD.** Evaluation of Home Infusion Pharmacy Services.
- **Marr TD.** Development of Perpetual Inventory Management at UNC Infusion Center.
- **Marr TD.** Development of Centralized Pharmacy Inventory at UNC Shared Services Center.
- **Marr TD.** UNC Medical Center ED Venous Thromboembolism Management Guideline.
- **Marr TD.** Evaluation of Immunologic Therapy Utilization at UNC Medical Center.
- **Marr TD.** Evaluation of Carglumic Acid (Carbaglu®) for Formulary Use.
- **Griggs DA.** Justification of Ambulatory Pharmacy Services by Specialty Pharmacy Opportunity in Myeloma & Lymphoma, Cardiology, and Adult Pulmonary Clinics.
- **Griggs DA.** Assessment and Recommendations for Retail Pharmacy Delivery Services.
- **Griggs DA.** Workflow Design and Operational Support for Mail Order Pharmacy Services to Off-Site Residential and Clinic Facilities.
- **Griggs DA.** Assessment of Financial Support from the Eshelman School of Pharmacy.
- **Griggs DA.** Therapeutic Infusion Center Managed Inventory Implementation.
- **Griggs DA.** Pharmacy Clinical Needs Assessment of Oncology Head and Neck Clinic.
- **Griggs DA.** Drug Supply Chain Security Act Assessment for UNC Department of Pharmacy.
- **Griggs DA.** Evaluation of Opportunities for Growth of Pharmacy Services in Emergency Department.
- **Griggs DA.** Medication Transition Specialist Staffing Assessment and Optimization.
- **Sautman HL.** Assessment of EPIC reporting tools for CPP dashboards.
- **Sautman HL.** Proposal for Clinical Pharmacy Practitioner (CPP) as flex positions in Ambulatory Care Clinics.
- Sautman HL. Executive summary of specialty pharmacy services and UHC Letter of Participation.
- Sautman HL. Assessed benchmarking tools for the utilization in various retail pharmacy locations.
- Sautman HL. Administrative assessment of contracts/ownership structure of the Shared Services Center.
- Sautman HL. Assessed the current state of Specialty Pharmacy and the potential future roles of Apexus.
- Sautman HL. Created a report on Track and Trace legislation and the effect on the 340B Program.
- Sautman HL. Developed competency assessment on 340B audits and contract pharmacy.
- Sautman HL. Assessed financial benefits of continuous chemotherapy outpatient vs. inpatient.
- Sautman HL. Coordinated post-EPIC updates to oncology staffing guide.
- Sautman HL. Updated oncology pharmacy competency assessment.
- Sautman HL. Facilitated development of department guiding principles for new department.
- Sautman HL. Created controlled substances ordering and receiving training guide.
- Sautman HL. Developed policy and procedure on donation medications.
- Sautman HL. Co-developed proposal for Practice Model change in acute care Oncology Clinical Services.
- Sautman HL. Development of Proposal for UNC's Research in Education and Practice Symposium.
- Sautman HL. Assessed the Use of UNC Non-Formulary Medications.
- Sautman HL. Coordinated Hospital-Wide Scan of Inventory for EPIC Implementation.
- Mann JE. Assessment of Non-chemotherapy Hazardous Drug Waste.
- Mann JE. Creation of a Productivity Tutorial for New Manager Education.
- Mann JE. Evaluation of Atryn for Formulary Use.
- Mann JE, Hess E. Evaluation of Erwinia asparaginase Use at an Academic Medical Center.
- Mann JE. Audit of 340B Central Outpatient & Employee Pharmacy Prescriptions.
- Mann JE. Creation of Technician Workflow for 340B Eligibility in an Employee Pharmacy.
- Mann JE. Assessment of Bulk Product Batching Technician Workflow.
- Hess ET. Special formulations departmental infrastructure.
- Hess ET. Special formulations formulary and emergent pediatric compounds.
- Hess ET. Investigational Drug Services site initiation visit packet.
- Hess ET. Outcomes based benchmarking questionnaire.
- Hess ET. Financial evaluation of high risk compounding in special formulations.
- Hess ET. Implementation of an Electronic Medical Record System and the Effect on Medication Error Reporting.
- Hess ET. Development of an executive pharmacy dashboard.
- Hess ET. Cost analysis of IV room technology workflow solution.
- Hess ET. Heat ticket submission decision tree.
- Hess ET. Health-system IT governance proposal.
- Hess ET. PAAT - Pharmacy Administration Assessment Tool-kit.
- Hess ET. Development of a Medication Error Review Committee.
- Hess ET. Clinical documentation training program.
- Hess ET. Quantifiable productivity measures of clinical pharmacists.
- Hess ET. 340b Oversight Taskforce Council, Subcommittee SBARs.
- **South DA, Griggs DA.** Development of Productivity Measures for Caldwell Hospital Pharmacy Department.

- **South DA.** Operational Impact of Removing a Repackaging Machine from Rex Hospital.

- **Hansen KN, Sautman H.** 24-Hour Continuous Infusions – Assessing the Value of Moving from Inpatient to Outpatient Infusions.

- **O’Neil DP.** Anesthesia Machine Conversion from Pyxis 3500 to 4000.

- **O’Neil DP.** Growing Specialty Pharmacy Services: Assessment of ID, Dermatology, and Oncology Clinics.

- **O’Neil DP.** Talent Retention Modeling for UNC Shared Services Center Pharmacy.

- **O’Neil DP.** Developed Controlled Substance Diversion Surveillance and Investigation Policy.

- **O’Neil DP.** Proposed and Presented Salary Increase for UNCMC Pharmacy Residents.

- **O’Neil DP.** Assessment of a Hospital Owned Neurology Clinic Receiving WAC Pricing.

- **O’Neil DP.** Full-Time Equivalent Reconciliation (UNCMC FY16 Budget).

- **O’Neil DP.** Analysis of Electronic Prescription Data for UNC Specialty Pharmacy.

- **O’Neil DP, Marr TD.** Assessment of Pharmacy Acute Care Transition Services at UNC Medical Center.

- **O’Neil DP.** Creation of a Rheumatology Infusion Clinic.

- **O’Neil DP.** Medication Use Evaluation of Dornase Alfa at UNC Medical Center.

- **O’Neil DP.** Evaluation of Zenpep (pancrelipase) for Formulary Use.

- **O’Neil DP.** Analysis of Controlled Substance Technician Workflow.

- **O’Neil DP.** Assessment of Home Medication Workflow at UNC Medical Center.

- **O’Neil DP.** Guidelines for Sotalol Initiation and Monitoring.

- **O’Neil DP.** Oral Solid Repackaging for the UNC Shared Services Center.

- **O’Neil DP.** Evaluation of IVIG, Blood factor, and Albumin Usage within UNC Health-System.

- **O’Neil DP.** Optimizing Discharge Pharmacy Services at UNC Medical Center.

- **Shah S.** Created Batch and Crediting strategy for EPIC Conversion May 2014

- **Shah S.** Led Operating Room Pharmacy Satellite Kaizen Event Feb 2014

- **Shah S.** Proposed Night Pharmacist Operational Infrastructure Revision Feb 2014

- **Shah S.** Aided in Pyxis Implementation at UNC Hospitals at Wakebrook Jan 2014

- **Shah S.** Administrative Assessment of Sentry 340B Splitting Software, 2013

- **Shah S.** Development of Ambulatory Care Pharmacists Collective Dashboard, 2013

- **Shah S.** Proposal for Critical Care Pharmacy Satellite, 2013

- **Shah S.** Created Operating Room Pharmacy Staffing Guide, 2013

- **Shah S.** Optimization of Obstetrics Service Post-Partum CPOE Order Sets, 2013

- **Shah S.** Administrative Assessment of UNC Cancer Hospital Pyxis Station Refill Practices, 2013

- **Shah S.** Project Co-Manager: Barcode Medication Administration Implementation, 2013

- **Shah S.** Created 340b Audit Procedure Guide, 2013

- **Lamm M, and Wolfe A.** Development of Residency Program Organizational Structure

- **Lamm M.** Project Co-Manager: Siemen's Pharmacy Information System Planning and Implementation

- **Lamm M.** Development of Siemen's Pharmacy Go-Live Plan

- **Lamm M.** Development of Unit Conversion Sequence for Siemen's Pharmacy Conversion

- **Lamm M.** Development of Post-Siemen's Go-Live Extra Staffing Support Responsibilities
- Lamm M. Development of Siemen's Pharmacy Conversion Central Inpatient Pharmacy Information Packet
- Lamm M. Development of Siemen's Pharmacy Conversion Day - FAQ
- Lamm M. Development of New Medication History Specialist Infrastructure
- Lamm M. Emergency Department and Rehabilitation Unit Pyxis Optimization
- Lamm M. Central Inpatient Pharmacy Talyst Refrigerator Reconfiguration
- Lamm M. Development of Pharmacy Operations Specialist Leadership Development Series
- Lamm M. Pediatric Multivitamin Formulary Update and Implementation
- Lamm M. Proposal for Outpatient Pediatric Hematology/Oncology and Bone Marrow Transplant Clinical Pharmacist Practitioner
- Lamm M. Implementation of Anticoagulation Education Initiative
- Lamm M. Pharmacy Support Services Customer Satisfaction Survey
- Lamm M. Implementation of TALYST carousel automation
- Lamm M. Development of MS Program Graduate Student Handbook
- Lamm M. Hospital Code Tray Reconfiguration Project
- Lamm M. Potassium Chloride Syringes Policy Update and Implementation in Pediatric Intensive Care Unit
- Lamm M. Inhaled Iloprost: Drug Monograph
- Conley CS. Pharmacists Order Entry Analysis, 2012
- Conley CS. Proposal for increased BMT Pharmacy Services, 2012
- Lyons K. Development of training resources for chemotherapy preparation in developing countries
- Lyons K. Development of a UNCH Leadership APPE
- Lyons K. Proposal for system-wide pharmacy and therapeutics committee
- Lyons K. Administrative assessment of blood factor par levels
- Lyons K. Environmental scan and proposal for faculty development at the Eshelman School of Pharmacy
- Shah SK. Updated Acute Care Services Service Guide, 2012
- Shah SK. Development of policy for Outsourcing Compounding Sterile Products, 2012
- Moore SJ. Assessment of Investigational Drug Service's Operations and Service Model 3 West Satellite, 2013
- Moore SJ. Initiated planning of ACLS training for the Department of Pharmacy, 2012.
- Reichard J. Implementation of Barcode Administration of a Special Formulation's Formulary, 2012
- Reichard J. Addition of a Special Formulations Formulary into a Medication Carousel, 2012
- Reichard J, and Daniels R. Coordinate a visit of the Ohio State University Practice Model Collaborative, 2012
- Reichard J, and Crisp B. Implementation of a New Pediatric Technician Workflow, 2012
Reichard J, and Crisp B. Gap Analysis of Standardized 1st Dose Neonatal Fluids, 2012
Reichard J, and Crisp B. Coordinate the Training for a New Pediatric Pharmacist, 2012
Reichard J, and Eckel S. Adjustments to a Master of Science in Pharmaceutical Sciences Curriculum, 2012
Reichard J, and Eckel S. Update of a Master of Science in Pharmaceutical Sciences Website, 2012
Reichard J, and Lee S. Development of a Medication Carousel Formulary, 2012
Wolfe A. Evaluation of user compliance with the smart pump drug library and infusion programming errors for select continuous infusion medications
Wolfe A. Section Advisory Group on Management Development: Pharmacy Leader Self-Assessment Survey
Wolfe A. Developed an understanding of the UHC CDB-RM and educated quality analysts on how to run various reports
Wolfe A. Developed competencies and training plan for pharmacy storeroom personnel to transition to pharmacy technician status
Wolfe A. Organized the central inpatient pharmacy relocation plan
Wolfe A. Created workflow infrastructure document for 27 inpatient pharmacy technician positions
Wolfe A. Mapped geographical information for program graduate alumni and proposed a database method for displaying information on the internet
Moore RM. Lead development and deployment of pharmacy-based transitional care program
Moore RM. Return on investment analysis of compounding piperacillin/tazobactam
Willoughby IR, Moore RM. Lead advancement of clinical service weekend coverage
Moore RM. Prepared Employee Opinion Score audits for department
Moore RM. Created central inpatient pharmacy checklists
Moore RM. Reichard J. Developed sustainable resident orientation and training program
Moore RM. Lead implementation of operational infrastructure for the medication assistance program
Holler J. Administrative Audit of Pharmacy Surgical Services
Holler J. Implemented Pyxis Anesthesia System
Holler J. Special Formulations Conversion to Simplifi 797 Online Database
Holler J. Organized Relocation of Special Formulations Satellite
Holler J. Evaluated Clinician Desires vs. Patient Care Needs and the Effect on Human Resource Practices
Holler J. Developed Student Rotation with Evening Decentralized Pharmacy Services
Holler J. Modeled Expansion of Learner Rotations Offered by UNCH
Holler J. Creation of Competency Modules for Anticoagulation Discharge Counseling for UNC Staff and Learners
Holler J. Recruitment, Hiring, and Orientation of Carolina Care at Home Store Manager and Staff
Holler J. Cost Analysis for Off-Site Location for Sterile Compounding
Holler J. Developed Human Resources Procedures for Orientation and Training of New Employees and the Professional Development of Current Employees
Willoughby IR. Designed and piloted a team-based technician medication history process
Willoughby IR. Implemented a prior authorization program for an outpatient pharmacy assistance program
- Willoughby IR. Developed a billing discrepancy reconciliation policy
- Willoughby IR. Created a comprehensive 18-month project timeline for the Department of Pharmacy
- Willoughby IR. Proposed a department-wide re-design of the Acute Care Services model
- Willoughby IR. Administrative audit of UNC Hospitals’ controlled substances policies and procedures
- Willoughby IR. Created a technician guide for Carousel operations
- Willoughby IR. Revised the UNC Hospitals Pharmacy Administration Resident Recruitment process
- Willoughby IR. Drafted a proposal for implementing skilled nursing facility services
- Willoughby IR. Anesthesia machine implementation
- Willoughby IR. Development of Pyxis Workstation Remote Manager placement criteria
- Willoughby IR. Development of automated PAR level assignment software
- Willoughby IR. Administrative audit of Talyst Carousel utilization in the Cancer Hospital Infusion
- Willoughby IR. Cost analysis of clinic inventory delivery procedure
- Willoughby IR. Cost comparison of contracted technical support vs. in house alternatives
- Willoughby IR. Development of a new Acute Care Services Inpatient weekend staffing model
- Willoughby IR. Re-design of PGY1 resident orientation process
- Willoughby IR. Development of an Ambulatory Care Staffing Guide
- Willoughby IR. Proposed Redesign of the Ambulatory Care Services Organizational Structure
- Willoughby IR. Development of a dashboard for tracking ambulatory pharmacist performance
- Willoughby IR. Mapped current locations of previous program graduates
- Willoughby IR. Alpha testing of a novel handheld scanning device and order tracking technology

State and National Committees

- Roberts PA. Pharmacy Administration Resident Collaboration, Membership Committee. 2015-2016.
- Eberwein SE. Pharmacy Administration Resident Collaboration, Membership Committee. 2015-2016.
- Eberwein SE. UHC Pharmacy Practice Advancement Committee. 2015-2016.
- Marr TD. ASHP Section Advisory Group (SAG) on Innovation Management. 2015-2016
- Griggs DA. UHC Ambulatory Care Committee Member. 2014-2015.
- Mann JE. Pharmacy Administration Resident Collaboration, Co-Chair. 2014 – 2014
- O’Neil DP. ASHP Pharmacy Business Management Section Advisory Group Member.
- Hess E. UHC Med Use Informatics & Technology (MUIT) 2013-2014
- Shah SK. ASHP Section of Inpatient Care Practitioners Pharmacy Practice Experiences Section Advisory Group Member, 2012 – 2013.
- Reichard J. ASHP - Pharmacists – Advisory Group Member, Section of Inpatient Care Practitioners on Pharmacy Support Services, 2012 – 2013
- Wolfe A. Pharmacy Operations and Automation; ASHP Section Advisory Group and IV automation and workflow group
- Holler J. UHC Practice Advancement Committee
- Poppe L. UHC Finance Committee

Additional Leadership Opportunities

- Hansen KN. Resident Manager for Special Formulations. 2015-2016.
- Marr TD. Resident Manager, Operating Room Pharmacy satellite. 2015-2016.
- Marr TD. Chief Resident, PGY-2 Pharmacy Residents. Fall 2015.
- South DA. UNC Pharmacy Residency Leadership Certificate, Co-Director. 2015-2016.
- Griggs DA. UNC Pharmacy Residency Leadership Certificate, Co-Director. 2015-2016
- Griggs DA. Resident Manager, Pharmacy Storeroom. 2015-2016.
- Hansen KN. Chief Resident, PGY-1 Pharmacy Residents. 2014-2015
- O’Neil DP. Chief Resident, PGY-1 Pharmacy Residents. 2014.
- Shah S. Resident Manager for Operating Room Pharmacy Satellite. 2013-2014
- Lyons K. UNC Residency Leadership Certificate Chair, 2012 – 2014
- Lamm M. Chief Resident, 2012-2013
- Lamm M. Co-Manager for Medication History Specialist
- Wolfe A. Resident Manager, Pharmacy Surgical Services
- Holler, J. Co-Manager for Special Formulations Technicians
- Willoughby, IR. Co-Manager for Emergency Department Technicians

### Additional Training and Certification Programs

- Hansen KN. Lean Six Sigma Yellow Belt Certificate
- Hansen KN. UNC Leadership Certificate.
- Marr TD. UNC Leadership Certificate
- Marr TD. Lean Six Sigma Yellow Belt Certification
- Marr TD. Lean Six Sigma Purple Belt Certification
- Griggs DA. UNC Leadership Certificate
- Griggs DA. Lean Six Sigma Yellow Belt Certification
- South DA. Lean Six Sigma Yellow Belt Certification
- South DA. UNC Leadership Certificate
- Hess ET. Six Sigma Purple Belt Certification
- Hess ET. Six Sigma Blue Belt Certification
- Hess ET. Six Sigma Yellow Belt Certification
- Hess ET. UNC Leadership Certificate
- O’Neil, DP. UNC Leadership Certificate.
- O’Neil DP. Six Sigma Yellow Belt Certification
- Mann JE. UNC Leadership Certificate
- Mann, JE. Lean Six Sigma Purple Belt
- Mann JE. Six Sigma Yellow Belt Certification
- Sautman HL. UNC Leadership Certificate
- Sautman H. Six Sigma Yellow Belt Certification
- Sautman, HL. Six Sigma Purple Belt Certification
- Sautman, HL. Six Sigma Blue Belt Certification
- Shah SK. UNC Pharmacy Residency Leadership Certificate
- Shah SK. Lean Six Sigma Blue Belt
- Shah SK. Lean Six Sigma Purple Belt
- Shah SK. UNC Eshelman School of Pharmacy Teaching Certificate
- Shah SK. Six Sigma Yellow Belt Certification
- Moore S. Six Sigma Yellow Belt Certification
- Moore S. Six Sigma Purple Belt Certification
- Moore S. Six Sigma Blue Belt Certification
- Lyons K. Six Sigma Yellow Belt Certification
- Lyons K. Six Sigma Blue Belt Certification
- Lyons K. Six Sigma Purple Belt Certification
- Wolfe A. Six Sigma Yellow Belt Certification
- Wolfe A. The Totally Responsible Person (TRP) Workshop
- Wolfe A. Crucial Conversations Book Review Full Day Workshop
- Lamm M. Six Sigma Yellow Belt Certification
- Lamm M. Six Sigma Purple Belt Certification
- Moore RM. Lean Six-Sigma Purple Belt Certification
- Willoughby, IR. BCPS Certification
- Willoughby, IR. Six Sigma Yellow Belt Training
Where Are Our Past Administrative Residents Now?

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