

# Allison Beck Blackmer, PharmD, BCPS

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## Professional Experience

January 2013—present

### **Pediatric Coordinator – Education and Research**

University of Michigan—C.S. Mott Children’s Hospital  
Ann Arbor, Michigan

August 2010—present

### **Clinical Assistant Professor**

#### **Clinical Pharmacist-Pediatric Surgery**

University of Michigan-College of Pharmacy  
C.S. Mott Children’s Hospital  
Ann Arbor, Michigan

2008—2010

### **Staff Pharmacist**

University of North Carolina Hospitals, Chapel Hill, NC

2006—2007

### **Project Associate**

Evanston Hospital, Evanston, Illinois

2006

### **Pharmacy Summer Intern**

Evanston Hospital, Evanston, Illinois

2005

### **Pharmacy Summer Intern**

Takeda Global Research and Development, Lincolnshire, Illinois

2003—2004

### **Research Assistant**

Research for Adolescent and Adult Health Promotion Center: Oral Cancer Research  
New York University, College of Dentistry, New York, NY

2001—2002

### **Professional Contemporary Ballet/Modern Dancer**

Melissa Thodos and Dancers, Chicago, IL

## Postgraduate Education

July 2009—June 2010

### **PGY2 Pediatric Pharmacotherapy Specialty Residency**

#### **Chief Resident**

University of North Carolina Hospitals, Chapel Hill, NC  
American Society of Health-System Pharmacists Accredited  
Residency Director: Elizabeth Farrington, PharmD, FCCM, FCCP, BCPS

July 2008—June 2009

### **PGY1 Pharmacy Practice Residency**

University of North Carolina Hospitals, Chapel Hill, NC  
American Society of Health-System Pharmacists Accredited  
Residency Director: Stephen Eckel, PharmD, MHA, BCPS

## Education

2008

### **Doctorate of Pharmacy**

The University of Illinois at Chicago, College of Pharmacy, Chicago, Illinois  
Summa Cum Laude, Valedictorian of Class

2004

### **Certificate in Pre-Health Sciences**

New York University, College of Arts and Sciences, New York, New York

2001

### **Bachelor of Fine Arts**

New York University, Tisch School of the Arts, New York, New York

## Certification

June 2010

### **Teaching Certificate**

University of North Carolina—Eshelman School of Pharmacy, Chapel Hill, North Carolina

**Professional Licensure and Certification**

**Board Certified Pharmacotherapy Specialist (BCPS)**  
Board of Pharmaceutical Specialties

**Michigan Department of Community Health-  
Registered Pharmacist License**  
Permanent ID No. 5302040065

**North Carolina Board of Pharmacy-  
Registered Pharmacist License**  
License No. 019743

**Illinois Division of Professional Regulation, Board of Pharmacy-  
Registered Pharmacist License**  
License No. 051292768

**Teaching Experience**

January 2011—present

**Preceptor: PGY1 Pharmacy Practice Residency**  
University of Michigan- C.S. Mott Children’s Hospital  
*Pediatric Surgery*

January 2011—present

**Preceptor: PGY2 Pediatric Pharmacotherapy Specialty Residency**  
University of Michigan-C.S. Mott Children’s Hospital  
*Pediatric Surgery*

January 2011—present

**Preceptor: Advanced Pharmacy Practice Experience (APPE)**  
University of Michigan-College of Pharmacy, Ann Arbor, MI  
*Pediatric Surgery*

January 2011—present

**Preceptor: Introductory Pharmacy Practice Experience (IPPE)**  
University of Michigan-College of Pharmacy, Ann Arbor MI

January 2011—present

**Faculty Advisor—P569** (Student Research Investigations)  
University of Michigan-College of Pharmacy, Ann Arbor, MI

January 2011—present

**Faculty Advisor—P565** (Student Research Investigations)  
University of Michigan-College of Pharmacy, Ann Arbor, MI

Winter Term 2013

**Course Co-Coordinator—P545** (Ethics and Evidence Based Medicine)  
University of Michigan—College of Pharmacy, Ann Arbor, MI

Fall Term 2012

**Course Coordinator—P535** (Ethics and Evidence Based Medicine)  
University of Michigan-College of Pharmacy, Ann Arbor, MI

Fall Term 2012

**Clinical Lecturer—P535** (Ethics and Evidence Based Medicine)  
University of Michigan-College of Pharmacy, Ann Arbor, MI  
*Clinical Decision Making in The Absence of Data*

Fall Term 2012

**Course Coordinator—P547** (Pediatric Pharmacotherapy)  
University of Michigan-College of Pharmacy, Ann Arbor, MI

Winter Term 2012

**Course Coordinator—P547** (Pediatric Pharmacotherapy)  
University of Michigan-College of Pharmacy, Ann Arbor, MI

Winter Term 2013

Winter Term 2012

**Clinical Lecturer—P432** (Therapeutics Problem Solving)  
University of Michigan-College of Pharmacy, Ann Arbor, MI  
*Pediatric Pharmacotherapy*  
*Pharmacotherapy of Pregnancy and Lactation*

- Fall Term 2011                   **Clinical Lecturer—P531** (Pathophysiology and Therapeutics)  
University of Michigan-College of Pharmacy, Ann Arbor, MI  
*Asthma-Pathophysiology and Management*  
*Allergic Rhinitis- Pathophysiology and Management*
- August 2011—present           **Clinical Instructor—P680** (Pharmacy Student Seminar)  
University of Michigan-College of Pharmacy, Ann Arbor, MI
- Fall Term 2012  
Winter Term 2012  
Winter Term 2011               **Clinical Lecturer—P547** (Pediatric Pharmacotherapy)  
University of Michigan-College of Pharmacy, Ann Arbor, MI  
*Introduction to Pediatric Pharmacotherapy*  
*Pediatric Basics and Pediatric Patient Monitoring*  
*Pediatric Fluid and Electrolyte Therapy*  
*Infant and Early Childhood Enteral Feeding*  
*Parenteral Nutrition in the Pediatric Patient*  
*Constipation in the Pediatric Patient*  
*Introduction to Short Bowel Syndrome in the Pediatric Patient*
- July 2008—June 2010           **Clinical Instructor—PHCY 403, 404, 405** (Pharmaceutical Care Laboratory III, IV, V)  
University of North Carolina—Eshelman School of Pharmacy, Chapel Hill, NC
- Spring 2009—June 2010       **Clinical Lecturer—DPPE812** (Pediatric Pharmacotherapy Elective)  
University of North Carolina—Eshelman School of Pharmacy, Chapel Hill, NC  
*Type 2 Diabetes in the Pediatric Patient*  
*Sickle Cell Anemia in the Pediatric Patient*  
*Chronic Kidney Disease in the Pediatric Patient*  
*Otitis Media in the Pediatric Patient*  
*Constipation in the Pediatric Patient*
- 2003—2004                       **Teaching Assistant—General Inorganic Chemistry**  
New York University—Department of Chemistry, New York, NY
- Publications**
- Klein K, **Blackmer A**, Diez H. The use of clinical debates as an active learning tool in two elective courses. [abstract] *J Pediatr Pharmacol Ther* 2013; 18(2): 159-160.
- Blackmer A**, Gatzke R, Heinrich L, Moran T, Roudis J. Sample business plan—hospital pharmacy services. In Schumock G, Stubbings J. *How to Develop a Business Plan for Pharmacy Services*, 2<sup>nd</sup> Edition. Lenexa, KS: American College of Clinical Pharmacy, 2013:175-204.
- Blackmer AB**, Bailey E. Management of copper deficiency in cholestatic infants: review of the literature and a case series. *Nutr Clin Pract* 2013;28:75-86.
- BlackmerAB**. Improving safety for pediatric patients: acetaminophen concentration standardization. *Pharmacy Times*, January 2012; 10-11.
- Blackmer AB**, Farrington EA. Constipation in the pediatric patient-an overview and pharmacologic considerations. *J Pediatr Health Care*, 2010;24:385-399.
- Blackmer AB**, Farrington EA. An evaluation of the accuracy of Neofax gentamicin dosing recommendations; are targets met? American College of Clinical Pharmacy Spring Practice and Research Forum and Updates in Therapeutics: The Pharmacology Preparatory Course. Charlotte, North Carolina 2010. Abstract #153. (*poster presented*)
- Blackmer AB**, Oertel MD, Valgus JM. Fondaparinux and the management of heparin-induced thrombocytopenia: the journey continues. *Ann Pharmacother*, 2009;43:1636-1646.
- Blackmer A**, Sauls A, Oertel M, Laughon M. Evaluation of indomethacin versus ibuprofen for closure of patent ductus arteriosus. University Health System Consortium. Orlando, FL. December 2008. Abstract #114. (*poster presented*)

**Beck A**, Gatzke R, Heinrich L, Moran T, Roudis J. Business plan for a pharmacist-initiated automatic intravenous (IV) to oral (PO) switch program. In Schumock G, Stubbings J. How to Develop a Business Plan for Pharmacy Services. Lenexa, KS: American College of Clinical Pharmacy, 2007:203-37.

Hanes S, **Beck AS**, Heinrich LS, et al. Risk factors for mortality in critically ill patients receiving appropriate or inappropriate empiric antibiotic therapy for pneumonia or bacteremia. Crit Care Med 2006; 34: A102.

### Grants

January 2012

2012 C. Richard Fleming small grant (\$5000) from American Society of Parenteral and Enteral (A.S.P.E.N) Rhoads Research Foundation  
**Study: Neurodevelopmental Outcomes of Pediatric Patients Treated with Modified Intravenous Lipid Emulsion for the Treatment and/or Prevention of PNALD**

### Research Experience

May 2013—present

University of Michigan—C.S. Mott Children’s Hospital  
**Impact of implementation of a pediatric core-curriculum on advanced pharmacy practice experience (APPE) educational outcomes in a team-based pharmacy practice model**  
Principle Investigators: Allison Blackmer, PharmD, BCPS  
Co-Investigators: Kristin Klein, PharmD, FPPAG, Jennifer Hlubocky, PharmD, Carrie Penzien, PharmD, Claire Konicek, PharmD  
Status: IRB approval pending

May 2013—present

University of Michigan- C.S. Mott Children’s Hospital  
**Standard intravenous fat emulsion versus intravenous fat emulsion minimization for prevention of parenteral nutrition associated liver disease in pediatric patients**  
Principle Investigators: Meghan Arnold, MD, Allison Blackmer, PharmD, BCPS  
Co-Investigators: Tiffany Wright, MD, Daniel Teitelbaum, MD, Emily Trumpower, RD  
Status: IRB approval pending

September 2012—present

University of Michigan- C.S. Mott Children’s Hospital  
**Impact of the nationwide intravenous selenium product shortage on the development of selenium deficiency in pediatric patients dependent on long-term parenteral nutrition**  
Principle Investigator: Allison Blackmer PharmD, BCPS  
Co-Investigators: Luisa Partipilo, PharmD, BCNSP, Mary-Beth Harris, RD, Connie Chen, PharmD Candidate 2014  
Status: In Progress

August 2011—present

University of Michigan- C.S. Mott Children’s Hospital  
**Neurodevelopmental outcomes of pediatric patients treated with modified intravenous lipid emulsion for the treatment and/or prevention of parenteral nutrition associated liver disease**  
Principle Investigator: Allison Blackmer, PharmD, BCPS  
Co-Investigators: Daniel Teitelbaum, MD, Sabina Siddiqui, MD, Seth Warschausky PhD, Ashley Wester, PharmD Candidate 2014, Karolyn Horn, PharmD Candidate 2014  
Status: In Progress

August 2011—present

University of Michigan-College of Pharmacy  
**A retrospective study of infectious complications with daily vs non-daily infusion of intravenous lipid emulsions**  
Principle Investigator: Allison Blackmer, PharmD, BCPS  
Co-Investigators: Mary Lou Chheng, PharmD Candidate 2013, Charles Heidbreder, PharmD Candidate 2013  
Status: Manuscript preparation

August 2011—present

University of Michigan-C.S. Mott Children’s Hospital  
**Efficacy of enteral glutamine in pediatric short bowel syndrome**  
Principle Investigator: Daniel Teitelbaum, MD

- Co-Investigators: Allison Blackmer, PharmD, BPCS, Robert Drongowski, Mary Beth Harris, RD  
Status: In Progress
- July 2009—June 2010 University of North Carolina Hospitals—Pharmacogenetics for Every Nation Initiative (PGENI)  
**Pharmacogenomic implications of aminoglycoside induced ototoxicity**  
Principle Investigators: Allison Blackmer, PharmD, BCPS, Ashley Rosenquist, PharmD, BCPS  
Co-Investigator: Mary Roederer, PharmD, CPP, BCPS  
Status: Analyzing Data
- July 2009—June 2010 University of North Carolina Hospitals  
**Evaluation of the accuracy of Neofax gentamicin dosing recommendations**  
Principle Investigator: Allison Blackmer, PharmD, BCPS  
Co-Investigator: Elizabeth Farrington, PharmD, FCCM, FCCP, BCPS  
Status: Analyzing Data
- July 2008—June 2009 University of North Carolina Hospitals  
**Evaluation of heparin infusion dose adjustments according to activated clotting times (ACTs) in patients receiving extracorporeal membrane oxygenation (ECMO)**  
Principle Investigator: Allison Blackmer, PharmD, BCPS  
Co-Investigator: Elizabeth Farrington, PharmD, FCCM, FCCP, BCPS  
Status: Analyzing Data
- July 2008—December 2008 University of North Carolina Hospitals  
**Evaluation of indomethacin versus ibuprofen for closure of patent ductus arteriosus**  
Principle Investigator: Allison Blackmer, PharmD, BCPS  
Co-Investigators: Amy Sauls, PharmD, Maryann Oertel, PharmD, BCPS, Matthew Laughon, MD  
Status: Completed
- 2006 The University of Illinois, College of Pharmacy  
**Risk factors for mortality in critically ill patients receiving appropriate or inappropriate empiric antibiotic therapy for pneumonia or bacteremia**  
Principle Investigator: Scott Hanes, PharmD  
Co-Investigators: Allison Beck (Blackmer), Lynley Heinrich  
Status: Published Abstract
- 2005 The University of Illinois at Chicago, College of Pharmacy  
**Occurrence, structure, chemistry and activity of all known polyynes**  
Principle Investigator: Guido Pauli, PhD  
Co-Investigator: Allison Beck (Blackmer)  
Status: Completed

### Formal Presentations

- May 2013 Klein KC, Diez HL, **Blackmer AB**. The use of clinical debates as an active-learning tool in two elective courses.  
Pediatric Pharmacy Advocacy Group 22<sup>nd</sup> Annual Meeting  
Poster Presentation  
Indianapolis, IN
- February 2013 **Nutritional Deficiencies in Patients with Intestinal Failure Receiving Long-Term Parenteral Nutrition: Prevention, Management and Monitoring**  
American Society of Parenteral and Enteral Nutrition (ASPEN) Clinical Nutrition Week 2013  
Phoenix, Arizona  
Co-Presenter: M. Luisa Partipilo, PharmD, BCNSP
- February 2013 **Blackmer AB**, Chheng ML, Heidbreder C, Btaiche IF. Retrospective evaluation of the clinical impact of a national shortage of intravenous fat emulsion: infectious complications associated with non-daily versus daily administration.  
American Society of Parenteral and Enteral Nutrition (ASPEN) 2013 Clinical Nutrition Week  
Poster #55  
Phoenix, Arizona

- December 2012 Chheng M, Heidbreder C, Btaiche I, **Blackmer A**. Retrospective study of infectious complications with non-daily versus daily infusion of intravenous fat emulsions (IVFEs). 2012 ASHP Midyear: Poster #2-196  
Las Vegas, NV
- January 2012 **Critical Drug Shortages: Management Strategies for the Nutrition Support Professional**  
American Society of Parenteral and Enteral Nutrition (ASPEN) Clinical Nutrition Week 2012  
Orlando, Florida  
Co-Presenter: Melissa Pleva, PharmD, BCNSP
- November 2011 **Medical and Surgical Management of Pleural Effusions: Intrapleural tPA (±DNase) in Pediatric Patients**  
University of Michigan- C.S. Mott Children's Hospital—Pediatric Intensive Care/Pediatric Surgery Joint Practice Conference
- November 2009 **Idiopathic Thrombocytopenic Purpura—Acute Management with Anti-D**  
University of North Carolina Hospitals—Pediatric Grand Rounds Seminar
- September 2009 **Type 2 Diabetes in the Pediatric Patient**  
Pediatric Pharmacy Advocacy Group—18<sup>th</sup> Pediatric Pharmacy Conference  
Pre-Conference Continuing Education Session  
Cleveland, Ohio
- September 2009 **Chylothorax: Successful Use of Octreotide?**  
University of North Carolina Hospitals—Pediatric Grand Rounds Seminar
- August 2009 **Management of Chronic Kidney Disease in Children**  
University of North Carolina Hospitals—Pediatric Grand Rounds Seminar
- August 2009 **Rufinamide—A New Agent for the Treatment of Lennox Gastaut Syndrome**  
University of North Carolina Hospitals—Grand Rounds Seminar
- May 2009 **Evaluation of heparin infusion dose adjustments according to activated clotting times in patients receiving ECMO**  
Southeastern Residency Conference—Podium Presentation  
Athens, Georgia
- January 2009 **Malignant Hyperthermia—A Case Study**  
University of North Carolina Hospitals—Case Presentation
- October 2008 **Rivaroxaban—Breaking New RECORDs**  
University of North Carolina Hospitals—Grand Rounds Seminar
- Continuing Education Presentations**
- October 2009 **Sickle Cell Anemia—A Focus on the Pediatric Patient**  
University of North Carolina Hospitals  
ACPE Accredited Continuing Education Series  
University of North Carolina—Eshelman School of Pharmacy
- April 2009 **Type 2 Diabetes in the Pediatric Patient—A Growing Problem**  
University of North Carolina Hospitals  
ACPE Accredited Continuing Education Series  
University of North Carolina—Eshelman School of Pharmacy

### Scholarly Activities

2012—present	<b>PharmD Investigations Task Force</b> University of Michigan- College of Pharmacy
2011—present	<b>Faculty Advisor—PharmD Investigations Projects</b> University of Michigan-College of Pharmacy
2011—present	<b>Faculty Mentor—Pharmacy Phamily</b> University of Michigan-College of Pharmacy
2011—present	<b>Faculty Advisor- Pediatric Pharmacy Interest Group</b> University of Michigan-College of Pharmacy
2010—present	<b>Manuscript Reviewer</b> The Annals of Pharmacotherapy Nutrition Reviews
2006-2007	<b>Accreditation Council for Pharmacy Education (ACPE)—Self-study</b> The University of Illinois at Chicago, (subcommittee on Organization and Administration)

### Professional Membership

2012—present	<b>Phi Delta Chi (PDC)</b> — <i>Student Selected Graduate Brother 2012</i> The University of Michigan College of Pharmacy, Ann Arbor, MI
2010—present	<b>American Society of Parenteral and Enteral Nutrition (ASPEN)</b>
2010—present	<b>Michigan Society of Parenteral and Enteral Nutrition (MSPEN)</b>
2010—present	<b>American Association of Colleges of Pharmacy (AACP)</b>
2009—present	<b>Pediatric Pharmacy Advocacy Group (PPAG)</b>
2009—present	<b>American College of Clinical Pharmacy (ACCP)</b> <i>Pediatric PRN</i>
2007—present	<b>American Society of Health-System Pharmacists (ASHP)</b>
2006—present	<b>The Rho Chi Society—The Academic Honor Society in Pharmacy</b> The University of Illinois at Chicago, Historian (August 2006-May 2007)

### Committee Involvement

March 2013—present	<b>Product and Vendor Selection Committee</b> University of Michigan Hospitals
March 2013—present	<b>Pediatric Medication Safety Medication System Committee</b> University of Michigan Hospitals
December 2011—present	<b>Residency Advisory Committee</b> University of Michigan Hospitals
August 2011—present	<b>Curriculum and Assessment Committee</b> University of Michigan-College of Pharmacy
August 2011—present	<b>PharmD Investigations Committee</b> <i>*PharmD Investigations Task Force Member</i> University of Michigan-College of Pharmacy
April 2011—present	<b>Nutrition Advisory Committee</b> University of Michigan Hospitals
August 2010—present	<b>Neonatal Intensive Care Unit Joint Practice Committee</b>

	University of Michigan C.S. Mott Children's Hospital
January 2010—June 2010	<b>Student and Resident Advisory Committee (SRAC)</b> University of North Carolina Hospitals, Department of Pharmacy
January 2010—June 2010	<b>Performance Improvement Committee</b> University of North Carolina Hospitals, Department of Pharmacy
July 2009—December 2009	<b>Professional Development Committee</b> University of North Carolina Hospitals, Department of Pharmacy
<b><u>Service Activities</u></b>	
November 2012	<b>Generation Rx Event—High School Smoking Cessation and Prescription Drug Education</b> Phi Delta Chi—Faculty Advisor University of Michigan, Ann Arbor, MI
July 2008—June 2010	<b>Peter Poison Proofer—Elementary School Poison Education</b> University of North Carolina Hospitals, Chapel Hill, NC
July 2008—June 2010	<b>Inter-Faith Council Shelter—Health Clinic</b> Chapel Hill, NC
<b><u>Awards and Honors</u></b>	
August 2013	<b>ASPEN Future Leaders Program</b> American Society for Parenteral and Enteral Nutrition
July 2012	<b>Making a Difference Recognition</b> University of Michigan Health System, Ann Arbor, MI
May 2012	
September 2011	
August 2011	
July 2009—June 2010	<b>Chief Resident</b> University of North Carolina Hospitals, Chapel Hill, NC
April 2008	<b>Charles R. Walgreen, Jr. Scholarship</b> <b>Award of Excellence in Nonprescription Medication Studies</b> The University of Illinois at Chicago, College of Pharmacy
April 2007	<b>W.E. vanDoren Scholars Award</b> <i>Department of Medicinal Chemistry &amp; Pharmacognosy</i> <b>Samuel Shkolnik Pharmaceutical Jurisprudence Award</b> The University of Illinois at Chicago, College of Pharmacy
April 2006	<b>Rho Chi Certificate of Academic Achievement</b> The University of Illinois at Chicago, College of Pharmacy
March 2006	<b>I.B. Crystal Memorial Award for Academic Achievement</b> The University of Illinois at Chicago, College of Pharmacy
March 2005	<b>Pharmacists Mutual Companies Scholarship Award</b> The University of Illinois at Chicago, College of Pharmacy
September 2004—June 2006	<b>Highest Honors Dean's List</b> The University of Illinois at Chicago, College of Pharmacy
September 1998—September 2001	<b>New York University Honors Scholar</b> <b>Dean's List at New York University</b> <b>Lew Wasserman Scholarship for Academic Excellence</b> <b>Trustee Scholarship for Academic Achievement</b> New York University