

**MARY JAYNE KENNEDY, PHARM.D.**

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High Point, NC 27268

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**EDUCATION**

- 09/00 - 09/02      **POST-DOCTORAL FELLOWSHIP - PEDIATRIC CLINICAL PHARMACOLOGY**  
Division of Pediatric Clinical Pharmacology and Medical Toxicology  
The Children's Mercy Hospital, Kansas City, MO
- 07/99 - 08/00      **PEDIATRIC PHARMACOTHERAPY FELLOWSHIP**  
The University of North Carolina at Chapel Hill, Chapel Hill, NC
- 07/98 - 06/99      **PEDIATRIC PHARMACY PRACTICE SPECIALTY RESIDENCY**  
Children's Hospital, Columbus, OH
- 08/96 - 05/98      **DOCTOR OF PHARMACY**  
The Medical University of South Carolina, Charleston, SC
- 12/95 - 07/96      **AMBULATORY CARE SPECIALTY INTERNSHIP**  
The Moses H. Cone Family Practice Center, Greensboro, NC
- 08/91 - 12/95      **BACHELOR OF SCIENCE IN PHARMACY WITH HONORS**  
The University of North Carolina at Chapel Hill, Chapel Hill, NC

Undergraduate Honors Research Thesis: "Pharmacologic management of patients hospitalized with left ventricular systolic dysfunction." Project Advisor: J. Herbert Patterson, Pharm.D., Associate Professor, Division of Pharmacotherapy

**ACADEMIC APPOINTMENTS**

- 6/15 - Present      **PROFESSOR WITH TENURE AND CHAIR**  
Department of Clinical Sciences, School of Pharmacy  
High Point University, High Point, NC
- 08/12 – 6/15      **VICE CHAIR FOR CLINICAL RESEARCH**  
Department of Pharmacotherapy and Outcomes Science, School of Pharmacy  
Virginia Commonwealth University, Richmond, VA
- 07/12 – 6/15      **ASSOCIATE PROFESSOR WITH TENURE**  
Department of Pharmacotherapy and Outcomes Science, School of Pharmacy  
Department of Pediatrics, School of Medicine  
Virginia Commonwealth University, Richmond, VA
- 09/10 – 9/14      **BLICK SCHOLAR**  
Virginia Commonwealth University, Richmond, VA

- 07/09 - 07/12            **ASSISTANT PROFESSOR**  
Department of Pharmacotherapy and Outcomes Science, School of Pharmacy  
Department of Pediatrics, School of Medicine  
Virginia Commonwealth University, Richmond, VA
- 09/02 - 12/08            **ASSISTANT PROFESSOR**  
Departments of Pediatrics and Pharmacology/ Toxicology, School of Medicine University  
of Louisville, Louisville, KY
- 09/00 - 09/02            **ADJUNCT CLINICAL ASSISTANT PROFESSOR**  
Division of Pharmacy Practice, School of Pharmacy, University of Missouri-Kansas City  
Kansas City, MO
- 07/99 - 08/00            **CLINICAL INSTRUCTOR**  
Division of Pharmacotherapy, School of Pharmacy  
The University of North Carolina at Chapel Hill, Chapel Hill, NC
- 07/98 - 07/99            **CLINICAL INSTRUCTOR**  
College of Pharmacy, The Ohio State University, Columbus, OH

**OTHER POSITIONS AND EMPLOYMENT**

- 01/04 - 12/08            **PROGRAM DIRECTOR**  
University of Louisville Pediatric Pharmacology Research Unit (PPRU)  
Department of Pediatrics, Section of Clinical Pharmacology and Toxicology  
School of Medicine, University of Louisville  
Louisville, KY
- 09/02 - 12/08            **ASSOCIATE DIRECTOR**  
Kosair Charities Pediatric Clinical Research Unit  
Department of Pediatrics, Section of Clinical Pharmacology and Toxicology  
School of Medicine, University of Louisville, Louisville, KY

**BOARD CERTIFICATIONS AND LICENSURE**

Diplomate - American Board of Clinical Pharmacology (Applied Pharmacology, Certificate #05104, 12/05)  
Pharmacist Licensure - North Carolina (license number: 13313)

**RESEARCH FUNDING**

***Completed Research Support***

George and Lavinia Blick Research Fund  
Blick Scholars Award  
Amount Awarded: \$60,000  
Funding Period: 9/15/10 – 9/15/14

Curriculum vitae MJ Kennedy

Jeffress Memorial Trust

Characterization of the megalin receptor and its role in aminoglycoside uptake in human term and preterm placenta

Role: PI

Amount Awarded: \$30,500

Funding period: 7/1/10 - 06/30/13

Commonwealth Health Research Board (CHRB)

Evaluation of mitochondrial gene sequence variants as biomarkers of aminoglycoside-induced kidney injury in newborn infants

Role: PI

Amount Awarded: \$263,462

Funding period: 7/1/10 - 9/30/13

A.D. Williams Foundation

Evaluation of genetic biomarkers of aminoglycoside-induced kidney injury in newborn infants

Role: PI

Amount Awarded: \$14,500

Funding Period: 4/1/09 - 3/31/11

R21 HD050564-01A1

National Institute of Child Health and Human Development (NICHD)

Urinary Proteomics in Aminoglycoside-Treated Newborns

Role: PI (30% salary years 1 and 2; 10% salary year 3)

Total Amount Awarded: \$346,500 (direct and indirect)

Funding Period: 4/1/07 - 3/31/10

Note: Priority score = 133 (4<sup>th</sup> percentile)

Genetech, Inc.

Dose-ranging, Safety and Efficacy of Recombinant Human Tissue Plasminogen Activator (t-PA) for the Treatment of Central Catheter Occlusion in Pre-Term and Term Newborns

Role: Co-PI

Amount Awarded: \$68,129

Funding Period: 7/1/03 - 12/1/08

Kosair Charities

Kosair Charities Pediatric Clinical Research Unit

Role: Co-PI (50% salary provided)

Amount Awarded: \$136,431 (direct)

Funding Period: 10/1/07 - 9/30/08

U.S. Department Of Energy

University of Louisville Pediatric Clinical Proteomic Center

Role: Co-PI (2% salary)

Amount Awarded: \$2,983,000 (direct)

Funding Period: 06/01/05 - 12/1/08

1 U10 HD045934-01

National Institute of Child Health and Human Development (NICHD)

Pediatric Pharmacology Research Unit (PPRU) Network

Center for Pediatric Clinical Pharmacology Research (RFA HD-003-01)

Role: Co-PI (15% salary)

Amount Awarded: \$1,862,408 (direct and indirect)

Funding Period: 01/01/04 - 12/31/08

Curriculum vitae MJ Kennedy

Department of Pediatrics Intradepartmental Clinical Research Grant  
Urinary Proteomics in Aminoglycoside Treated Newborns  
Role: PI  
Amount Awarded: \$8,000 (direct)  
Funding Period: 4/27/07 - 12/1/08

National Institute of Child Health and Human Development (NICHD) / Pediatric Pharmacology Research Unit (PPRU) Network (Lead Site: Kansas City PPRU)  
The role of drug bioactivation and detoxification in the pathogenesis of adverse drug reactions in children  
Role: Local Site PI  
Amount Awarded: \$39,375  
Funding Period: 6/1/05 - 5/31/08

Kosair Charities  
Kosair Charities Pediatric Clinical Research Unit  
Role: Co-PI  
Amount Awarded: \$150,000  
Funding Period: 10/1/06 - 9/30/07

Kosair Charities  
Kosair Charities Pediatric Clinical Research Unit  
Role: Co-PI  
Amount Awarded: \$198,933  
Funding Period: 10/1/05 - 9/30/06

American College of Clinical Pharmacy Research Institute  
Aventis Allergy / Asthma Investigator Development Award  
Histamine Pharmacogenetics in Caucasian Children with Atopic Dermatitis  
Role: PI  
Amount Awarded: \$12,313  
Funding Period: 7/1/03 - 6/30/05

Kosair Charities  
Kosair Charities Pediatric Clinical Research Unit  
Role: Co-PI  
Amount Awarded: \$198,993  
Funding Period: 10/1/04 - 9/30/05

Kosair Charities  
Kosair Charities Pediatric Clinical Research Unit  
Role: Co-PI  
Amount Awarded: \$218,668  
Funding Period: 10/1/03 - 9/30/04

University of Louisville, Office of the Vice President for Research  
Undergraduate Research Scholar Grant  
Preparation of Urine Samples from Pediatric Patients for Analysis of Caffeine and its Metabolites via High Performance Liquid Chromatography (HPLC)  
Role: Project Mentor  
Amount Awarded: \$300  
Funding Period: 7/1/05 - 5/30/06

University Pediatrics Foundation

Efficacy of oral oxycodone for the management of acute pain in children with orthopedic injuries: A pilot study

Role: Co-Investigator / Mentor

Amount Awarded: \$4,000

Funding Period: 7/1/03 - 6/30/04

University Pediatrics Foundation

Effect of Chronic Intermittent Nocturnal Hypoxia on Hepatic Drug Biotransformation in Children with Obstructive Sleep Apnea

Role: PI

Amount Awarded: \$8,000

Funding Period: 4/1/03 - 2/28/05

University of Louisville School of Medicine Intramural Grants Program

Effect of Chronic Intermittent Nocturnal Hypoxia on Hepatic Drug Biotransformation in Children with Obstructive Sleep Apnea

Amount Awarded: \$15,000

Funding Period: 3/1/03 - 2/28/05

Phillip S. Astrowe Trust Foundation

Effect of recombinant human growth hormone therapy on hepatic drug metabolism in children with idiopathic growth hormone deficiency

Role: PI

Amount awarded: \$10,000

Funding Period: 09/01/01 - 08/30/02

The Katharine B. Richardson Associates Endowment Fund

Effect of recombinant human growth hormone therapy on hepatic drug metabolism in children with idiopathic growth hormone deficiency

Role: PI

Amount Awarded: \$8,200

Funding Period: 07/01/01 - 06/30/05

Astra-Zeneca Pharmaceuticals

Omeprazole pharmacokinetics and pharmacodynamics in children with and without cystic fibrosis

Source:

Role: Co-PI

Amount Awarded: \$89,463 (Study funded but not initiated)

EISAI Medical Research, # E3810-A001-119

A single and multiple dose pharmacokinetic and safety study of Rabeprazole Sodium in 12-16 year old subjects.

Role: PI

Amount Awarded: \$16,681

Funding Period: 08/01/03 - 07/30/04

GlaxoSmithKline, #S3A40323

A randomized, double-blind, placebo-controlled, multi-center study of Intravenous Ondansetron Hydrochloride 0.1 mg/kg for the prevention of postoperative Emesis in pediatric surgical subjects Age 1 month to 24 months who are undergoing routine surgery under general anesthesia.

Role: Co-Investigator

Amount Awarded: \$38,170

Funding Period: 2002 - 2003

## **PUBLICATIONS**

### **Invited Peer-Reviewed Book Chapters**

**Kennedy MJ.** Antivirals (non HIV drugs). In *Clinical Decision Support: Hospital Infection Control*. 2013.

**Kennedy MJ.** Defining acute kidney injury in the neonate. Textbook update. AccessPharmacy website. <http://www.AccessPharmacy.com>. New York: McGraw Hill, November 2012.

**Kennedy MJ.** Pharmacogenomics and Pediatric Pharmacotherapy. In *Pharmacotherapy Self Assessment Program (PSAP), Seventh Edition (PSAP-VII); Book 4 – Pediatrics*. p. 7-28. (American College of Clinical Pharmacy, 2010).

### **Invited Peer-Reviewed Manuscripts**

**Kennedy MJ.** Characterizing the impact of development on the dose-exposure-response relationship: Challenge or opportunity? *J Pediatr Pharmacol Ther* 2014;19(4):260-61.

**Kennedy MJ.** Hormonal regulation of hepatic drug metabolizing enzyme activity during adolescence. *Clin Pharmacol Ther* 2008;84(6):662-73.

**Kennedy MJ.** Paediatric drug handling. *Clin Pharmacol Ther* 2008;83(2):208-209.

**Kennedy MJ.** Current status of gene therapy for cystic fibrosis. *Am J Respir Med* 2002;1(5):349-60.

**Kennedy MJ, Abdel-Rahman SM, Kearns GL.** Oxazolidinones: Clinical pharmacology and use in treatment of infections caused by resistant Gram-positive pathogens. *Semin Pediatr Infect Dis* 2001;12(3):186-199.

### **Peer-Reviewed Manuscripts**

Akour AA, **Kennedy MJ**, Gerk PM. The role of megalin in the transport of gentamicin across BeWo cells, an in vitro model of the human placenta. *AAPS J* 2015; 2015 May 19 (Epub ahead of print).

Akour AA, Gerk P, **Kennedy MJ**. Megalin expression in human term and preterm placental villous tissues: effect of gestational age and sample processing and storage time. *J Pharmacol Toxicol Methods* 2015;71:147-54.

**Kennedy MJ, Jellerson K, Snow M, Zacchetti M.** Challenges in the Pharmacologic Management of Obesity and Secondary Hyperlipidemia in Children and Adolescents. *Paediatr Drugs* 2013;15(5):335-42.

Akour AA, **Kennedy MJ**, Gerk P. Receptor-mediated endocytosis across human placenta: emphasis on megalin. *Mol Pharm* 2013;10(4):1269-78.

Wyatt LE, **Kennedy MJ**. Cisplatin-Induced Ototoxicity and the Role of Pharmacogenetic Testing. *J Pediatr Pharmacol Ther* 2012;17:395-399.

**Kennedy MJ, Phan HM, Benavides S, Potts A, Sorensen S.** Pediatric Pharmacy Advocacy Group Position Statement: The role of the pediatric pharmacist in personalized medicine and clinical pharmacogenomics for children. *J Pediatr Pharmacol Ther* 2011;16(2):118-122.

**Kennedy MJ, Landsheft JH, Wyatt LE.** Is it time for pharmacists to assume responsibility for interpreting and applying pharmacogenetic test results? *Virginia Pharmacists Association Journal* 2011;95(4):27-28.

Price KE, Pearce RE, Garg UC, Heese BA, Smith LD, Sullivan JE, **Kennedy MJ**, Bale JF, Ward RM, Chang TKH, Abbott FS, Leeder JS. Effects of valproic acid on organic acid metabolism in children: a metabolic profiling study. *Clin Pharmacol Ther* 2011;89(6):867-874.

Lee MW, Clay PG, Kennedy WK, **Kennedy MJ**, Sifontis, NM, Simonson D, *et al.* American College of Clinical Pharmacy (ACCP) Commentary: The essential research curriculum for doctor of pharmacy degree programs. *Pharmacotherapy* 2010;30(9):344e-349e.

**Kennedy MJ**, Griffin AR, Su R, Merchant M., Klein JB. Urine collected from diapers can be used for 2 dimensional polyacrylamide gel electrophoresis (2D-PAGE) in infants and young children. *Proteomics Clin Appl* 2009;3(8):989-999.

**Kennedy MJ**, Davis DA, Smith N, Gaedigk A, Pearce R, Kearns GL. Reduced Activities of Cytochrome P450 1A2 and Xanthine Oxidase in Children with Growth Hormone Deficiency. *Clin Pharmacol Ther* 2008;84(6):674-78.

**Kennedy MJ**, Loehle JA, Griffin AR, Doll MA, Kearns GL, Sullivan JE, Hein DW. Association of the Histamine N-methyltransferase C314T (Thr105Ile) Polymorphism with Atopic Dermatitis in Caucasian Children. *Pharmacotherapy* 2008;28(12):1495-1501.

**Kennedy MJ**, Davis DA, Smith NB, Pierce WM, Pearce RE, Gaedigk A, Kearns GL. Six-Month, Prospective, Longitudinal, Open-Label Caffeine and Dextromethorphan Phenotyping Study in Children with Growth Hormone Deficiency Receiving Recombinant Human Growth Hormone Replacement. *Clin Ther* 2008;30(9):1687-99.

Gaedigk A, Simon SD, Pearce RE, Bradford LD, **Kennedy MJ**, Leeder JS. Facilitating CYP2D6 phenotype prediction from genotype data utilizing an activity score system. *Clin Pharmacol Ther* 2008;83(2):234-242.

Gaedigk A, Eklund JD, Pearce RE, Leeder JS, Alander SW, Bradford LD, **Kennedy MJ**. Identification and characterization of CYP2D6\*56B, an allele associated with the poor metabolizer phenotype. *Clin Pharmacol Ther* 2007;81(6):817-820.

**Kennedy MJ**, Kearns GL, Jungbluth GL, Abdel-Rahman SM. Assessment of pharmacodynamic surrogates in response to the treatment of skin and skin structure infections in children. *Paed Perinatal Drug Ther* 2004;6:32-37.

**Kennedy MJ**, Abdel-Rahman, SM, Kashuba ADM, Leeder JS. Comparison of various urine collection intervals for caffeine and dextromethorphan phenotyping in children. *J Clin Pharmacol* 2004;44:708-14.

**Kennedy MJ**, Scripture CD, Kashuba ADM, Scott CS, Gaedigk A, Kearns GL. Activities of cytochrome P450 1A, N-acetyltransferase 2, xanthine oxidase and cytochrome P450 2D6 are unaltered in children with cystic fibrosis. *Clin Pharmacol Ther* 2004;75:163-171.

**Kennedy MJ**, Jackson MA, Kearns GL. Delayed diagnosis of penicillin-resistant *Streptococcus mitis* endocarditis following single-dose amoxicillin prophylaxis in a child. *Clin Pediatr* 2004;43:473-76.

**Kennedy MJ**, Carpenter JM, Castile R, Lozano R. Impaired recovery of hypothalamic-pituitary-adrenal axis function during high-dose inhaled corticosteroid therapy in a toddler. *Ann Allerg Asthma Immunol* 2002;88:523-26.

**Kennedy MJ**, Scott CS. Novel approaches for the management of cystic fibrosis pulmonary disease. *J Pediatr Pharmacol Ther* 2001;6:130-52.

**Kennedy MJ.** Inflammation and cystic fibrosis pulmonary disease. *Pharmacotherapy* 2001;21(5):593-604.

**Kennedy MJ, Scott CS.** Pharmacotherapy of cystic fibrosis pulmonary disease: The new millennium. *J Pediatr Pharm Pract* 2000;5(4):164-185.

### **Peer-Reviewed Abstracts**

Varghese D, Carroll NV, **Kennedy MJ**, Proffitt DF, Kirkwood CK. Prevalence of anti-diabetic and anti-lipidemic medications in children and adolescents treated with atypical antipsychotics in a Virginia Medicaid population. *Value in Health* 2013;16(3):A71.

Leeder JS, Pearce RE, Price KE, Ward RA, Bale J, Abbott FS, Chang TKH, **Kennedy MJ**, Sullivan JE, Gaedigk A. Determinants of Variability in Divalproex Sodium (VPA) Glucuronidation in Children. *FAESB J* 2010;24:967.15.

Leeder JS, Gardigk A, Pearce R, Abbott, FS, Chang THK, Liang T, Teng X, **Kennedy MJ**, Ward R. Variability in valproic acid (VPA) metabolite signatures in children. *FAESB J* 2008;22:1131.7.

**Kennedy MJ**, Su R, Kernen K, Merchant M, Klein J. Reduced ubiquitination of urine protein in aminoglycoside-treated children with nephrotoxicity. *J Am Soc Nephrol* 2008;19:568A.

**Kennedy MJ**, Griffin A, Merchant M, Klein J. Urine Collected from Non-Gel Containing Diapers Can Be Used for Proteomic Profiling in Infants and Young Children. *J Am Soc Nephrol* 2007;18:373A.

**Kennedy MJ**, Griffin A, Kearns G, Gaedigk A. Lack of Association Between the Leukotriene C4 Synthase - 444A > C Gene Polymorphism and Atopic Dermatitis in Children. *Clin Pharmacol Ther* 2007;81(Suppl 1):S103.

Gaedigk A, Simon SD, Pearce RE, **Kennedy MJ**, Bradford LD, Leeder JS. The Activity Score: Facilitating CYP2D6 Phenotype Prediction from Genotype Data. *Clin Pharmacol Ther* 2007;81(Suppl 1):S85.

Gaedigk A, Eklund JD, Pearce RE, Leeder JS, Alander SW, Bradford LD, **Kennedy MJ**. Identification and Characterization of Cytochrome P4502D6\*56B (CYP2D6\*56B), A Novel Allele Associated with the Poor Metabolizer Phenotype. *Clin Pharmacol Ther* 2007;81(Suppl 1):S85

**Kennedy MJ**, Merchant ML, Griffin AR, DeVillez A, Klein JB. Urinary proteomic profiling identifies differentially expressed proteins in aminoglycoside-treated children with and without nephrotoxicity. *J Am Soc Nephrol* 2006;17:405A.

**Kennedy MJ**, Smith NB, Pierce WM, Lin Y, Pearce RE, Gaedigk A, Sullivan JE. Chronic intermittent nocturnal hypoxemia alters activities of hepatic cytochrome P450 1A2 (CYP1A2), N-acetyltransferase 2 (NAT2) and xanthine oxidase (XO) in children with obstructive sleep apnea. *Clin Pharmacol Ther* 2006;79(2):P33.

**Kennedy MJ**, Sullivan JE, Doll MA, Griffin A, Hein DW. Slow acetylator N-acetyltransferase 2 genotype is associated with atopic dermatitis in children. *Clin Pharmacol Ther* 2006;79(2):P6.

**Kennedy MJ**, Davis DA, Smith NB, Pierce WM, Lin T, Pearce RE, Gaedigk A, Kearns GL. Recombinant human growth hormone (rhGH) has no effect on activities of hepatic cytochrome P450 1A2 (CYP1A2), N-acetyltransferase 2 (NAT2), xanthine oxidase (XO) or cytochrome P450 2D6 (CYP2D6) in children with idiopathic growth hormone deficiency. *Clin Pharmacol Ther* 2006;79(2):P84.

**Kennedy MJ**, Merchant ML, Griffin AR, DeVillez A, Klein JB. Urinary proteomic profiling identifies candidate biomarkers of aminoglycoside-induced nephrotoxicity in children. *J Am Soc Nephrol* 2005;16:45A.



Merchant ML, **Kennedy MJ**, Klein E, Klein JB. Biomarker discovery in urine through direct mass spectrometric determination of endogenous low molecular weight peptides. *J Am Soc Nephrol* 2005;16:155A.

**Kennedy MJ**, Loehle JA, Sullivan JE, Doll MA, Hein DW. Histamine N-methyltransferase (HNMT) C314T gene polymorphism is associated with atopic dermatitis in Caucasian children. *Pharmacotherapy* 2004;24(10):1481.

**Kennedy MJ**, Abdel-Rahman, SM, Simon SD, Leeder JS. Comparison of various urine collection intervals for caffeine and dextromethorphan phenotyping in children. *Clin Pharmacol Ther* 2003;73:P38.

## **SCIENTIFIC POSTERS AND PLATFORM PRESENTATIONS**

### **Platform Presentations: International Meetings**

“Delayed Postnatal Maturation of Renal Function in Aminoglycoside Treated Newborns”. Presented at the European Society for Developmental, Perinatal and Pediatric Pharmacology 2011 Congress. Oslo, Norway. June 16, 2011.

“Identification of Candidate Biomarkers and a Potentially Novel Mechanism of Aminoglycoside-Induced Renal Injury in Children via Proteomic Profiling”. Presented at the European Society for Developmental, Perinatal and Pediatric Pharmacology 2009 Congress. Chamonix, France. June 19, 2009.

### **Platform Presentations: National Meetings**

“Recombinant human growth hormone (rhGH) has no effect on activities of hepatic cytochrome P450 1A2 (CYP1A2), N-acetyltransferase 2 (NAT2), xanthine oxidase (XO) or cytochrome P450 2D6 (CYP2D6) in children with idiopathic growth hormone deficiency. Platform presentation, American Society for Clinical Pharmacology and Therapeutics Annual Meeting. Baltimore MD. 3/11/06.

“Intermittent nocturnal hypoxemia alters activities of hepatic cytochrome P450 1A2 (CYP1A2), N-acetyltransferase 2 (NAT2) and xanthine oxidase (XO) in children with obstructive sleep apnea”. Platform presentation, American Society for Clinical Pharmacology and Therapeutics Annual Meeting. Baltimore MD. 3/10/06.

“Slow acetylator N-acetyltransferase 2 genotype is associated with atopic dermatitis in children”. Platform presentation, American Society for Clinical Pharmacology and Therapeutics Annual Meeting, Baltimore MD. 3/9/06

“Urinary proteomic profiling identifies candidate biomarkers of aminoglycoside-induced nephrotoxicity in children” Platform presentation, American Society of Nephrology Renal Week, Philadelphia, PA, 11/11/05.

“Evaluating pharmacodynamic surrogates in response to the treatment of skin and skin structure infections in children.” Platform presentation, American Society for Clinical Pharmacology and Therapeutics Annual Meeting. Atlanta, GA. 03/02.

“Assessment of hepatic metabolism in children with cystic fibrosis.” Platform presentation at the American Society for Clinical Pharmacology and Therapeutics Annual Meeting, Pediatrics and Perinatal Pharmacology Subsection. Orlando, FL. 03/01.

“Evaluation of hepatic cytochrome P4501A2, cytochrome P4502D6, N-acetyltransferase-2 and xanthine oxidase activity in children with cystic fibrosis.” Platform presentation, American College of Clinical Pharmacy Annual Meeting, Pediatrics PRN Subsection. Kansas City, MO. 10/99.

**Platform Presentations: Local and Regional Meetings**

“Clinical use and monitoring of neuromuscular blocking agents in the pediatric intensive care unit.” Platform presentation at the Great Lakes Pharmacy Residency Conference. Lexington, KY. 04/99.

**Poster Presentations: National Meetings**

“Reduced ubiquitination of urine protein in aminoglycoside-treated children with nephrotoxicity”. Poster presentation, American Society of Nephrology Renal Week, Philadelphia, PA. 11/7/08.

“Urine Collected from Non-Gel Containing Diapers Can Be Used for Proteomic Profiling in Infants and Young Children”. Poster presentation, American Society of Nephrology Renal Week, San Francisco, CA. 11/3/07.

“Lack of Association Between the Leukotriene C4 Synthase 444A>C Gene Polymorphism and Atopic Dermatitis in Children”. Poster presentation, American Society for Clinical Pharmacology and Therapeutics Annual Meeting. Anaheim, CA. 3/24/07.

“Urinary proteomic profiling identifies differentially expressed proteins in children with and without nephrotoxicity”. Poster presentation (selected as 1 of 6 to be viewed by Elias Zerhouni, M.D, Director, NIH), American Society of Nephrology Renal Week, San Diego, CA. 11/17/06.

“Biomarker discovery in urine through direct mass spectrometric determination of endogenous low molecular weight peptides.” Poster presentation, American Society of Nephrology Renal Week, Philadelphia, PA, 11/10/05.

“Histamine *N*-methyltransferase (HNMT) C314T Gene Polymorphism is Associated with Atopic Dermatitis in Caucasian Children”. Poster presentation at the American College of Clinical Pharmacy Annual Meeting. Dallas, TX. 10/04.

“Comparison of various urine collection intervals for caffeine and dextromethorphan phenotyping in children.” Poster presentation at the American Society for Clinical Pharmacology and Therapeutics Annual Meeting. Washington, DC. 04/03.

“Suboptimal pharmacodynamics and treatment failure following single-dose amoxicillin endocarditis prophylaxis.” Poster presentation at the Infectious Disease Society of America (IDSA) Annual Meeting. Chicago, IL. 10/02.

“Assessment of hepatic metabolism in children with cystic fibrosis.” Poster presentation at the American Society for Clinical Pharmacology and Therapeutics Annual Meeting. Orlando, FL. 03/01.

“Clinical use and monitoring of neuromuscular blocking agents in the pediatric intensive care unit.” Poster presentation at the American Society of Health-Systems Pharmacists Midyear Clinical Meeting. Las Vegas, NV. 12/98.

“Variability in antimicrobial dosing recommendations among standard clinical references.” Poster presentation at the American College of Clinical Pharmacy Annual Meeting, Phoenix, AZ. 11/97.

**Poster Presentations: Local and Regional Meetings**

“Comparison of various urine collection intervals for caffeine and dextromethorphan phenotyping in children.” Poster presentation, Faculty Research Day, Research!Louisville. 11/05/03. Louisville, KY.

“Evaluating pharmacodynamic surrogates in response to the treatment of skin and skin structure infections in children”. Poster presentation, Faculty Research Day, Research!Louisville. 11/05/03. Louisville, KY.

### **ABSTRACTS, SCIENTIFIC POSTERS AND PRESENTATIONS BY MENTORED TRAINEES**

#### **Peer-Reviewed Abstracts**

Akour AA, Landsberg A, Gerk PM, **Kennedy MJ**. Evidence that megalin-mediated endocytosis is involved in the placental transport of aminoglycosides. *Clin Pharmacol Ther* 2011;89(Suppl 1):S63-S64.

Nickerson DE, **Kennedy MJ**. Evidence of altered postnatal maturation of renal function in aminoglycoside – treated preterm newborns. *Clin Pharmacol Ther* 2011;89(Suppl 1):S92.

Bailey D, **Kennedy MJ**. Incidence of Clinically Apparent Kidney Injury in Aminoglycoside-Treated Newborns. *Clin Pharmacol Ther* 2009;85(Suppl 1):S69.

Tucker CM, Griffin AR, Levy M, Best D, Kearns GL, Jones S, Hurwitz J, Pansare M, **Kennedy MJ**. Lack of association between a common histidine decarboxylase (HDC) gene polymorphism and atopic dermatitis (AD) in children. *Clin Pharmacol Ther* 2008;83(1):S45.

Myers AB, Sullivan JE, Koller DM, Godambe S, **Kennedy MJ**. Correlation of CYP2D6 genotype with response to oxycodone in orthopedic injury related pain. *Clin Pharmacol Ther* 2006;79(2):P18.

Myers AB, Koller DM, **Kennedy MJ**, Sullivan JE, Godambe SA. Comparison of three oral oxycodone doses for the treatment of orthopedic injury related pain in children. *Pediatr Emerg Care* 2004;20:795.

#### **Trainee Platform Presentations: National Meetings**

“Comparison of Three Oral Oxycodone Doses for the Treatment of Orthopedic Injury Related Pain in Children”. Invited platform presentation at the 2004 American Academy of Pediatrics Annual Meeting, San Francisco, CA. 10/04 (Presenter: Amanda Myers, M.D., MS Student)

#### **Trainee Poster Presentations: National Meetings**

“Prevalence of anti-diabetic and anti-lipidemic medications in children and adolescents treated with atypical antipsychotics in a Medicaid population”. Poster presentation at the College of Psychiatric and Neurologic Pharmacists Annual Meeting, Tampa, FL. 4/30/12 (Presenter: Della Varghese, MS Student, School of Pharmacy, Virginia Commonwealth University)

“Evidence that megalin-mediated endocytosis is involved in the placental transport of aminoglycosides”. Poster presentation, American Society for Clinical Pharmacology and Therapeutics Annual Meeting, Dallas, TX. 3/4/11. (Presenter: Amal Akour, BS, Ph.D. Student, School of Pharmacy, Virginia Commonwealth University)

“Evidence of altered postnatal maturation of renal function in aminoglycoside-treated preterm newborns”. Poster presentation, American Society for Clinical Pharmacology and Therapeutics Annual Meeting, Dallas, TX. 3/5/11. (Presenter: Drewry Nickerson, BS, Pharm.D. Candidate, School of Pharmacy, Virginia Commonwealth University)

“Incidence of Clinically Apparent Kidney Injury in Aminoglycoside-Treated Newborns”. Poster presentation, American Society for Clinical Pharmacology and Therapeutics Annual Meeting, National Harbor, MD. 3/21/09. (Presenter: David Bailey, Medical Student, University of Louisville)

Curriculum vitae MJ Kennedy

“Lack of Association Between a Common Histidine Decarboxylase (HDC) Gene Polymorphism and Atopic Dermatitis (AD) in Children”. Poster presentation, American Society for Clinical Pharmacology and Therapeutics Annual Meeting, Orlando, FL. 04/04/08. (Presenter: Clint Tucker, Medical Student, University of Louisville)

“Correlation of CYP2D6 genotype with response to oxycodone in orthopedic injury related pain.” Poster presentation, American Society for Clinical Pharmacology and Therapeutics Annual Meeting. Baltimore, MD. 03/06. (Presenter: Amanda Myers, M.D., MS Student, University of Louisville)

### **Trainee Poster Presentations: Local and Regional Meetings**

“Evidence of altered postnatal maturation of renal function in aminoglycoside-treated preterm newborns”. Research and Career Day, Virginia Commonwealth University School of Pharmacy, 10/10. (Presenter: Drewry Nickerson, B.S., Pharm.D. Candidate)

“Assessment of the functional activity of megalin in human trophoblast cell line”. Research and Career Day, Virginia Commonwealth University School of Pharmacy, 10/10. (Presenter: Amal Akour, B.S., Ph.D. student)

“Characterization of megalin expression in human term and preterm placenta”. Poster presentation, Graduate Student Research Day, Virginia Commonwealth University, 04/10 (Presenter: Amal Akour, B.S., Ph.D. student)

“Lack of Association Between a Common Histidine Decarboxylase (HDC) Gene Polymorphism and Atopic Dermatitis (AD) in Children”. Poster presentation, Student Research Day, Research!Louisville. 10/07. Louisville, KY. (Presenter: Clint Tucker, Medical Student, University of Louisville)

“Buccal derived DNA is inadequate for determination of the DAO C995T polymorphism in children.” Poster presentation, Student Research Day, Research!Louisville. 11/05. Louisville, KY. (Presenter: Matthew Kinney, Medical Student, University of Louisville)

### **INVITED LECTURES**

#### **International**

“Integrating relevant pharmacogenetics into pediatric drug development.” Invited lecturer in the Pharmacogenetics in Drug Development Short Course presented at the American Association of Pharmaceutical Scientists (AAPS) Annual Meeting. Toronto, Ontario, Canada. 11/02.

#### **National**

“Pharmacogenomics and Pediatric Pharmacy Practice: An Overview”. Invited Speaker - Pediatric Pharmacy Advocacy Group (PPAG). Webinar Presentation. 6/13/12.

“New Approaches to an Old Problem – Renal Injury in Aminoglycoside Treated Newborns”. Invited Speaker – Children’s Mercy Hospital Academic Scholarship Conference. Kansas City, MO. 9/22/11.

“Pharmacogenomics: Impact on Pediatric Pharmacy Practice”. Invited conference speaker. Pediatric Pharmacy Advocacy Group (PPAG) 19<sup>th</sup> Annual Pediatric Pharmacy Conference and Annual Meeting, St. Charles, MO. 10/08/10

“Activities of CY1A2, NAT-2, XO and CYP2D6 are Unaltered in Children with Idiopathic Growth Hormone Deficiency” Invited speaker, Pediatric Pharmacology Research Unit (PPRU) Network Steering Committee Meeting. National Institute of Child Health and Human Development, Louisville, KY. 10/19/07.

Curriculum vitae MJ Kennedy

“Histamine Pharmacogenetics in Children with Atopic Dermatitis: An Update” Invited speaker, Pediatric Pharmacology Research Unit (PPRU) Network Steering Committee Meeting. National Institute of Child Health and Human Development, Bethesda, MD. 01/19/07.

“Discovery of Candidate Biomarkers of Aminoglycoside-Induced Nephrotoxicity in Term and Preterm Newborns”. Invited speaker, Pediatric Pharmacology Research Unit (PPRU) Network Steering Committee Meeting. National Institute of Child Health and Human Development, Bethesda, MD. 07/20/06.

“Urinary Proteomic Profiling Identifies Candidate Biomarkers of Aminoglycoside-Induced Nephrotoxicity in Children”. Invited speaker, Pediatric Pharmacology Research Unit (PPRU) Network Steering Committee Meeting. National Institute of Child Health and Human Development, Bethesda, MD. 01/18/06.

### **Local and Regional**

“Navigating Annual Review Processes: Tips for a Successful Career at VCU.” VCU New Faculty Orientation. 8/16/12.

“Finding and choosing post-doctoral training opportunities with a Pharm.D. or Pharm.D./Ph.D., VCU Pharmaceutical Sciences Graduate Programs 15<sup>th</sup> Annual Research and Career Day”. 10/5/12.

“New Approaches to an Old Problem – Renal Injury in Aminoglycoside Treated Newborns”. Pharmacy Research Seminar, VCU Department of Pharmacotherapy and Outcomes Science. 9/19/11.

“Pharmacogenomics”. Invited speaker, Danville Regional Medical Center Pharmacology Symposium, Danville, VA. 5/19/11.

“VCU Global Health and Outreach”. Collaborative presentation to the VCU School of Pharmacy National Advisory Council. Richmond, VA. 11/19/10.

“Evaluation of mitochondrial gene sequence variants as biomarkers of aminoglycoside-induced kidney injury in newborn infants”. Invited presentation to the Commonwealth Health Research Board. Richmond, VA. 05/11/10.

“Pediatric Pharmacogenomics”. Invited presentation to the VCU School of Pharmacy National Advisory Council. Richmond, VA. 05/01/09.

“Urinary Proteomic Profiling as a Tool to Identify Potential Mechanisms of Aminoglycoside-Induced Nephrotoxicity in Children” Presented as part of the Renal Group Research Conference Lecture Series, Department of Medicine, University of Louisville. 11/30/07.

“Using Drug Target Pharmacogenomics to Define Disease Phenotype and Predict Drug Response – Experiences with Atopic Dermatitis”. Invited speaker, Department of Pediatrics Research Conference Series, School of Medicine, University of Louisville. 04/09/07.

“How Does a Drug Get to Market? Overview of the Drug Development Process”. Invited speaker, Kosair Charities Pediatric Clinical Research Unit Nurse Coordinator Education Series. Louisville, KY. 09/06.

“Pediatric Clinical Pharmacology Research at the University of Louisville”. Invited speaker, University of Louisville Public Health Seminar Series, School of Public Health, University of Louisville. 05/26/06.

“Drug Disposition and Response Along the Developmental Continuum”. Invited lecturer, University of Louisville Pediatric Clinical Pharmacology Workshop. 08/20/04.

“Diapers, Disease and Development: Assessing the Impact on Drug Metabolism in Children”. Invited speaker, Department of Pediatrics Research Conference Series, School of Medicine, 05/17/04.

“The Kosair Charities Pediatric Clinical Research Unit – An Update”. Invited speaker, Kosair Charities Board of Directors Meeting. Louisville, KY. 09/10/03.

“Pediatric Clinical Pharmacology Research – What’s it all about?” Invited speaker, University of Louisville Pediatric Neurology Fundraising Event. Louisville, KY. 04/22/03.

“Pediatric Clinical Pharmacology Research – Adopting the Therapeutic Orphan”. Invited lecturer, University of Louisville Department of Pediatrics Grand Rounds. Louisville, KY. 12/13/02.

“Diapers, Disease and Development: Assessing the impact on drug metabolism in children”. Invited lecturer, Department of Pharmacology Noon Seminar Series, School of Medicine, University of Louisville, Louisville, KY; 10/29/02.

“Investigations into the effect of disease and development on drug metabolizing activity in children”. Invited speaker, Noon research conference series, Children’s Mercy Hospitals and Clinics, Kansas City, MO. 05/02.

“Pediatric asthma and its treatment: An update”. Invited lecturer, Children’s Mercy Hospitals and Clinics Grand Rounds, Kansas City, MO. 03/02.

“New directions in the pathogenesis and treatment of asthma.” Invited continuing education presentation to community physicians/practitioners for Merck & Co., Inc. Topeka, KS. 10/25/01.

## **SERVICE AND COMMITTEE MEMBERSHIPS**

### **International Service**

April 2011  
Fonds voor Wetenschappelijk Onderzoek – Vlaandere (FWO)  
(Research Foundation - Flanders)  
Invited grant reviewer

### **National Service**

June 2015 – Present  
American Association of Colleges of Pharmacy (AACP)  
Mentor – New Faculty Mentoring Program

June 2014, 2015  
American Society for Clinical Pharmacology and Therapeutics (ASCPT)  
Scientific Awards Selection Task Force

March 2014, 2015  
American Society for Clinical Pharmacology and Therapeutics (ASCPT)  
Mentor – Speed Mentoring Session, Annual Meeting

March 2013, 2014  
American Society for Clinical Pharmacology and Therapeutics (ASCPT)  
Facilitator – Annual Meeting Trainee Luncheon

December 2012 - Present  
Pediatric Pharmacy Advocacy Group (PPAG)  
Chair – Pharmacogenomics Section  
Board of Pharmaceutical Specialties Certification Exam Preparation Course

May 2012 – May 2014  
American Society for Clinical Pharmacology and Therapeutics (ASCPT)  
Membership Action Committee

Curriculum vitae MJ Kennedy

May 2011	Children's Mercy Hospitals and Clinics Invited Member – Special Emphasis Panel – Spring 2011 Review Cycle Katharine B. Richardson Associates Endowment Fund Kansas City, MO
April 2011 - July 2011	National Institute of Child Health and Human Development (NICHD) Invited Member – Special Emphasis Panel Specialized Centers in Research in Pediatric Developmental Pharmacology (U54) RFA HD-10-026
March 2011	Pediatric Pharmacy Advocacy Group (PPAG) Judge - Outstanding Original Paper and Young Investigator Award 2011 Annual Meeting (Memphis, TN)
January 2011 – June 2012	Pediatric Pharmacy Advocacy Group (PPAG) Chair - Pharmacogenomics Position Statement Working Group
December 2010	National Institute of Child Health and Human Development (NICHD) Invited Member - Special Emphasis Panel Pharmacokinetic Research in Pediatric HIV/TB Co-Infection RFA-HD-09-015 (R01); RFA-HD-09-016 (R21)
08/10 - Present	American College of Clinical Pharmacy (ACCP) Appointed Member - Educational Affairs Committee
07/10	American Society of Health-Systems Pharmacists (ASHP) Invited Book Proposal Reviewer – Special Publishing Division
07/10 - Present	American College of Clinical Pharmacy (ACCP) Invited Reviewer - Student / Trainee CVs
03/10 - Present	American Society for Clinical Pharmacology and Therapeutics (ASCPT) Career Mentoring Program - Invited Mentor
03/10	American College of Clinical Pharmacy (ACCP) Invited Reviewer - Resident/Fellow Travel Grants
06/09 - 11/09	American Society for Clinical Pharmacology and Therapeutics (ASCPT) Invited Member - Strategic Planning Task Force
9/08 – 4/10	American College of Clinical Pharmacy (ACCP) Invited Member - Task Force on Research in the Professional Curriculum
08/06 – 12/08	Pediatric Pharmacology Research Network: Re-Engineering Task Force
09/04 – 12/08	Pediatric Pharmacology Research Network: Translational Science Working Group
08/04 – 12/08	Pediatric Pharmacology Research Network: Fellowship Training Committee
01/04 – 12/08	Pediatric Pharmacology Research Network: Protocol Review Committee

Curriculum vitae MJ Kennedy

- 03/04 American Society for Clinical Pharmacology and Therapeutics (ASCPT)  
2004 Annual Meeting
- Session Chair: Poster Discussion Session I-B
  - Session Chair: Pediatric Pharmacogenetics and Pharmacogenomics
- 04/03 – 03/04 American Society for Clinical Pharmacology and Therapeutics (ASCPT)  
Invited Member - Scientific Program Committee
- 12/03, 07/04 National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)  
Special Emphasis Panel- Invited R01 Grant Reviewer
- 06/03, 12/03 FDA Office of Orphan Products Development Ad Hoc Grant Review Panel

**University Service**

- 07/14 – 6/15 Clinical Research Advisory Board  
Virginia Commonwealth University, Richmond, VA
- 01/14 – 6/15 Clinical Research Study Monitoring Committee  
Virginia Commonwealth University, Richmond, VA
- 05/12 – 6/15 Center for Clinical and Translational Research Endowment Fund Scientific  
Advisory Committee - Member  
Virginia Commonwealth University, Richmond, VA
- 07/10 – 05/12 A.D. Williams Research Advisory Committee - Member  
Virginia Commonwealth University, Richmond, VA
- 05/10 – 6/15 University Council - Elected Member  
Virginia Commonwealth University, Richmond, VA
- 09/09 – 09/10 University Honor Council - Member  
Virginia Commonwealth University, Richmond, VA
- 04/09, 4/10 Faculty Participant: Pharmacy Career Day  
Pre-Pharmacy Student Organization  
Virginia Commonwealth University, Richmond, VA
- 04/07 - 12/08 University of Louisville – Louisville Institute for Clinical and  
Translational Sciences (LICTS)
- Pediatrics Task Force
  - Clinical Research Resources Task Force
  - Education Committee
- 08/04 - 11/04 University of Louisville: Publication Policy Committee
- 09/03 - 12/08 University of Louisville: Clinical Trials Management Committee
- 04/03 University of Louisville Clinical Research Center (CRC) Application: Scientific  
Advisory Committee
- 10/02, 10/07 Judge, Student Research Day, Research!Louisville



**School and Departmental Service**

08/14 – 6/15	Chair – Promotion and Tenure Committee School of Pharmacy, Virginia Commonwealth University, Richmond, VA
06/14 – 6/15	Chair - Search Committee – Translational Scientist Faculty Position School of Pharmacy, Virginia Commonwealth University, Richmond, VA
08/13 – 6/15	Member – Faculty Awards Committee School of Pharmacy, Virginia Commonwealth University, Richmond, VA
08/13 – 6/15	Member – ACPE Self Study Students Sub-Committee School of Pharmacy, Virginia Commonwealth University, Richmond, VA
08/13 – 6/15	Member – Research Day Planning Committee School of Pharmacy, Virginia Commonwealth University, Richmond, VA
08/13 – 5/14	Elected Member – Promotion and Tenure Committee School of Pharmacy, Virginia Commonwealth University, Richmond, VA
08/12 – 6/15	Elected Member – Grievance Committee School of Pharmacy, Virginia Commonwealth University, Richmond, VA
08/11- 6/15	Faculty Advisor – Pediatric Pharmacy Student Group (PPSG) School of Pharmacy, Virginia Commonwealth University, Richmond, VA
05/11 – 07/13	Chair - Search Committee – Pediatrics Clinical Faculty position School of Pharmacy, Virginia Commonwealth University, Richmond, VA
04/11 - 08/12	Global Health Coordinator School of Pharmacy, Virginia Commonwealth University, Richmond, VA
10/10 - 08/12	Member - Oncology Clinical Scientist Search Committee School of Pharmacy, Virginia Commonwealth University, Richmond, VA
09/10 – 6/15	Member - Academic Performance Committee School of Pharmacy, Virginia Commonwealth University, Richmond, VA
06/10	Faculty Participant – Honduras Outreach Medical Brigade Relief Effort (HOMBRE) Schools of Pharmacy and Medicine, VCU, Richmond, VA
03/10, 4/11	Graduate Faculty: Yanchick Award Selection Sub-Committee School of Pharmacy, Virginia Commonwealth University, Richmond, VA
09/09 - 8/10	Member - Professionalism Committee School of Pharmacy, Virginia Commonwealth University, Richmond, VA
08/09 – 05/12	Faculty Advisor - Kappa Epsilon Professional Fraternity School of Pharmacy, Virginia Commonwealth University, Richmond, VA
08/09	Discussion Leader - PY1 Student Orientation School of Pharmacy, Virginia Commonwealth University, Richmond, VA

Curriculum vitae MJ Kennedy

- 05/09 - 10/09                      Pharmaceutical Sciences Research and Career Day Planning Committee  
School of Pharmacy, Virginia Commonwealth University, Richmond, VA
- 04/09, 9/09, 2/11, 1/13              Applicant Interviewer - VCU School of Pharmacy, Richmond, VA
- 08/04, 01/08                      Co-Director - Pediatric Pharmacology Symposium  
Department of Pediatrics, University of Louisville, Louisville, KY
- 01/04 - 12/08                      Contributing Author: Department of Pediatrics Quarterly Newsletter  
School of Medicine, University of Louisville, Louisville, KY
- 09/02 - 10/06                      Pharmacy and Therapeutics Committee  
Kosair Children's Hospital, Louisville, KY

**Community Service**

- 04/17/10                      American Cancer Society  
Relay for Life - Participant  
Richmond, VA
- 2009 - 2010                      Citizen Support America's Military (Citizen SAM)  
Operation Helmetliner - Participant  
Hand knit wool helmetliners for US troops stationed in Afghanistan and Iraq
- 10/19/09                      American Cancer Society  
Making Strides Against Breast Cancer - Participant  
Richmond, VA

**EDITORIAL BOARDS**

- 05/15 – Present                      Editorial Board: Obstetric and Pediatric Pharmacology
- 05/10 - Present                      Review Editorial Board: Frontiers in Pharmacogenetics
- 06/04 - Present                      Editorial Board: Journal of Pediatric Pharmacology and Therapeutics

**JOURNAL PEER REVIEWER**

	<u>Journal</u>	<u>Number of Reviews</u>
2013 – Present	Journal of Asthma	1
2010 – Present	Proteomics	1
2007 – Present	Journal of Pediatric Pharmacology and Therapeutics	2
2007 – Present	Clinical Pharmacology and Therapeutics	17
2005 – Present	Clinical Therapeutics	1
2005 – Present	Pediatric Infectious Disease Journal	8
2004 – Present	Journal of Clinical Pharmacology	2
2003 – Present	Paediatric and Perinatal Drug Therapy	1

**BOARD MEMBERSHIPS**

**National**

08/13 – Present	Invited Member National Heart, Lung and Blood Institute (NHLBI) OPTIMIZing Trial Data Safety Monitoring Board (DSMB)
12/06 – 06/10	Invited Member National Heart, Lung and Blood Institute (NHLBI) Early Pseudomonas Infection Control (EPIC) Trial Data Safety Monitoring Board (DSMB)

**Local and Regional**

05/11 – 06/12	Board of Directors - Member Honduras Outreach Medical Brigade Relief Effort (HOMBRE) School of Medicine, Virginia Commonwealth University cvb
04/03 - 12/08	University of Louisville Pediatric Neurology Advisory Board

**TEACHING AND MENTORSHIP**

**Virginia Commonwealth University**

**School of Pharmacy**

**Professional Curriculum**

***Professional Year 1 (PY1)***

**PHAR513: Contemporary Pharmacy Practice (PY1)**

Faculty Panel Participant - 1 lecture hour (Fall 2009)

Lecturer - Career Opportunities in Pediatric Pharmacy - 1 lecture hour (Spring 2011)

**PHAR524: Foundations II (PY1)**

Facilitator - OTCs in Children Exercise - 4 lab hours (Spring 2009, 2010, 2011, 2012, 2013, 2014)

**PHAR525: Communications in Pharmacy Practice (PY1)**

Lecturer - Communicating with Children - 1 lecture hour (Fall 2009, 2010, 2011, 2012)

**PHAR529: Clinical Therapeutics III – Special Populations (PY1)**

Lecturer - Pediatrics Sequence - 5 lecture hours (Spring 2009, 2010, 2011, 2012, 2013, 2014)

**MEDC550: Scholarship I (PY1)**

Faculty Panel Participant - 0.5 lecture hours (Spring 2009)

Lecturer - Research in Special Populations - Children - 1 lecture hour (Spring 2010)

Lecturer - Grant Writing - 1 lecture hour (Spring 2011)

***Professional Year 2 (PY2)***

**PHAR534: Foundations III (PY2)**

Facilitator - Biotechnology in Pharmacy Exercise - 4 lab hours (Fall 2009)

Facilitator - Pharmacogenomics Exercise - 8 lab hours (Fall 2010, 2011)

**PHAR549: Biotechnology, Pharmacogenomics & Pharmacogenetics (PY2)**

Course Coordinator (Fall 2009, 2010, 2011 and 2012)

Lecturer - Pharmacogenetics and Genomics - 6 lecture hours (Fall 2009, 2010, 2011, 2012, 2013)

**PHAR555: Clinical Therapeutics V - Endocrinology (PY2)**

Lecturer - Endocrine Issues in Pediatrics - 1 lecture hour (Fall 2009, 2010, 2011, 2012, 2013)

**PHAR556: Clinical Therapeutics VI - Neurology (PY2)**

Lecturer - Epilepsy in Children - 1 lecture hour (Fall 2009, 2010, 2011, 2012, 2013)

**PHAR603: Clinical Therapeutics IX (PY2)**

Lecturer - Pediatric Asthma - 2 lecture hours (Spring 2010, 2011, 2013, 2014)

**PHAR623: Patient Medication Safety (PY2)**

Lecturer - Medication Safety in Children - 1 lecture hour (Spring 2010, 2011, 2013)

**PHAR691: Career Planning for Student Pharmacists (PY2)**

Faculty Panel Participant - Careers in Academia - 1 lecture hour (Spring 2010)

**PCEU550: Scholarship II (PY2)**

Faculty Mentor - 16 hours (meeting time) - (Fall 2009, Fall and Spring 2010, Spring 2011)

***Professional Year 3 (PY3)***

**PHAR645: Foundations VI (PY3)**

Facilitator – Professionalism Case Discussion - 6 lab hours (Spring 2011)

**PHAR691: Special Topics Elective / Independent Research (PY3)**

Mentor / Faculty Advisor (Fall 2010 - 3 students; Spring 2011 - 3 students; Summer 2011- 1 student; Fall 2011- 2 students; Spring 2013 – 1 student; Fall 2013-1 student)

**PHAR721: Clinical Therapeutics XVII (PY3)**

Lecturer - Cystic Fibrosis - 2 lecture hours (Spring 2011, 2012, 2013, 2014)

Lecturer - Sickle Cell Anemia - 1 lecture hour (Spring 2011, 2012, 2013, 2014)

**Graduate Curriculum**

**PHAR626: Advanced Pharmacotherapy Research Methods**

Lecturer - Research Methods in Pediatrics - 3 lecture hours (Spring 2010, 2012, 2014)

**PHAR637: Introduction to Research Methods in Pharmacy Practice**

Lecturer - Nuts and Bolts of Clinical Research - 2 lecture hours (Spring 2010)

Lecturer - Finding Funding and Preparing Study Budgets - 3 lecture hours (Fall 2010, 2011, 2012, 2013, 2014)

**PCEU604: Molecular Pharmaceutics**

Lecturer - Clinical Implications of Drug Metabolism and Transporter Pharmacogenomics  
1 lecture hour (Fall 2010)

**PCEU608: Introduction to the Pharmaceutical Sciences**

Lecturer - Pharmacogenetics - 1 lecture hour (Spring 2010, Fall 2010)

**Post-Graduate Training**

**Community Pharmacy Practice Residency Program**

Lecturer - Pediatric Pharmacology - 2 lecture hours (Spring 2010, Fall 2010, 2011, 2012, 2013, 2014)

**School of Medicine**

**Service Learning in Global Health Elective (M1 Students)**

Treatment of Worms in Children - 0.5 lecture hours (Spring 2010)

Hypertension Pharmacotherapy - 0.5 lecture hours (Spring 2010)

Diabetes Pharmacotherapy - 0.5 lecture hours (Spring 2010)

Women's Health Pharmacotherapy – 0.5 lecture hours (Spring 2010)

**University of Louisville**

**School of Medicine**

***Department of Pediatrics***

Pediatric Medical Resident Core Lecture Series

Lecturer - Developmental Pharmacology - 1 lecture hour (Fall 2007)

***Department of Pharmacology and Toxicology***

Medical Pharmacology Course

Lecturer - Prescription Writing - 1 lecture hour (Spring 2005 – Spring 2008)

Discussion Leader – Clinical Cases – 5 discussion hours (Spring 2005 - Spring 2008)

**School of Dentistry**

Pediatric Dental Resident Core Lecture Series

- Lecturer –Special Considerations in Pediatric Dental Therapeutics – 1 lecture hour (Spring 2007)

**University of Missouri – Kansas City**

**School of Pharmacy**

**PHARMACY 455P: Clinical Pharmacokinetics**

Lecturer – Principles of Pediatric Pharmacokinetics - 1 lecture hour (Fall 2001)

**PHARMACY 485P: Therapeutics III**

Lecturer – Central Nervous System Infections - 1 lecture hour (Fall 2001)

**University of North Carolina at Chapel Hill**

**School of Pharmacy**

**PHTH 112: Advanced Pediatric Pharmacotherapy**

Course Co-Coordinator (Spring 2000)

Lecturer - Gastroesophageal Reflux - 1 lecture hour (Spring 2000)

Lecturer - Children as Research Subjects - 1 lecture hour (Spring 2000)

Debate Facilitation - Treatment of Pediatric Asthma - 1 lecture hour (Spring 2000)

**PHCY 79: Undergraduate Recitation (Spring 2000)**

**PHPR 195L: General Pediatrics Clerkship (Spring 2000)**

**MENTORED STUDENTS AND TRAINEES**

**Graduate Students**

2011	Jason Karnes, Pharm.D., PhD Student, University of Florida (ASCPT Mentoring Program)
2011	Vidya Moorthy, PhD Student, VCU School of Pharmacy (Committee Member)
Fall 2010	Chiara Maniaci, BS - MS Exchange Student, University of Messina, Messina, Italy (Mentor)
2009 - 2012	Amal Akour, BS - PhD Student, VCU School of Pharmacy (Co-Advisor)
2009 - Present	Della Varghese - MS Student, VCU School of Pharmacy (Co-Advisor)
2002 - 2004	Jennifer Lohle, BS - MS Student, University of Louisville, School of Medicine (Co-Advisor)
2002 - 2004	Amanda Myers, MD - MS Student, University of Louisville, School of Medicine (Committee)

**Doctor of Medicine Students**

2007	David Bailey, BS, University of Louisville (Summer Research Scholar Program Mentor)
2006	Clint Tucker, BS, University of Louisville (Summer Research Scholar Program Mentor)
2005	Matthew Kinney, BS University of Louisville (Summer Research Scholar Program Mentor)

**Postgraduate Fellows**

2005 - 2008	Travis Anschutz, MD, University of Louisville, Neonatology Fellow (Project Advisor)
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**Doctor of Pharmacy Students**

Fall 2013	Allison Hardy, P3 Student, VCU School of Pharmacy (Independent Study Elective)
Spring 2012	Lauren Wyatt, P3 Student, VCU School of Pharmacy (Independent Study Elective)
Fall 2011	Joey Shao, P3 Student, VCU School of Pharmacy (Independent Study Elective) Eugene Lee, P3 Student, VCU School of Pharmacy (Independent Study Elective)
Summer 2011	Lauren Wyatt, P3 Student, VCU School of Pharmacy (Summer Research Student) Amanda Botteicher, P4 Student, VCU School of Pharmacy (Independent Study Elective)
Spring 2011	Michelle Zacchetti, P3 Student, VCU School of Pharmacy (Independent Study Elective) Fritzie Shinohara, P3 Student, VCU School of Pharmacy (Independent Study Elective) Melissa Rees, P3 Student, VCU School of Pharmacy (Independent Study Elective)
Fall 2010	Kevin Jellerson, P3 Student, VCU School of Pharmacy (Independent Study Elective) Michelle Zacchetti, P3 Student, VCU School of Pharmacy (Independent Study Elective) Michael Snow, P3 Student, VCU School of Pharmacy (Independent Study Elective)
Summer 2010	Drewry Nickerson, P3 Student, VCU School of Pharmacy (Summer Research Fellowship)

**Undergraduate Students**

2005	Hilary Yokley, University of Louisville (Mentor, Undergraduate Research Scholar Program)
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**PROFESSIONAL MEMBERSHIPS AND ACTIVITIES**

North Carolina Pharmacists Association  
American Society for Health Systems Pharmacists (ASHP)  
American Pharmacists Association (APhA)  
American Association of College of Pharmacy (AACCP)  
American Society for Clinical Pharmacology and Therapeutics (Full member)  
American College of Clinical Pharmacy (Full Member)  
Kappa Epsilon Professional Fraternity  
Pediatric Pharmacy Advocacy Group (PPAG)  
Phi Lambda Sigma Pharmacy Leadership Society

**HONORS AND AWARDS**

- American Society for Clinical Pharmacology and Therapeutics: Dedicated Member (August 2012)
- Virginia Commonwealth University School of Pharmacy Class of 2012 Faculty Marshal (May 2012)
- Virginia Commonwealth University School of Pharmacy Teaching Excellence Award Nominee (May 2011)
- Phi Lambda Sigma - selected as faculty inductee by student members (March 2011)
- Blick Scholar - Virginia Commonwealth University (2010 - 2014)
- American Society for Clinical Pharmacology and Therapeutics: Member of the Month (August 2010)
- Nominee - American Society for Clinical Pharmacology and Therapeutics Board of Directors (2007)
- Poster selected as 1 of 6 to be viewed by Elias Zerhouni, M.D., Director, NIH, ASN Renal Week (2006)
- R21 grant submission to NICHD - priority score ranked in the 4<sup>th</sup> percentile of all applications (2006)
- Aventis Asthma / Allergy Investigator Development Research Award (2003)
- American Society for Clinical Pharmacology and Therapeutics Presidential Trainee Award (2002)
- William Randolph Hearst Foundation Awardee (2001)
- Aventis Clinical Pharmacy Resident Scholar (2000)