

Cindy D. Stowe, Pharm.D.

November 2009

Business Address

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EDUCATION

Doctor of Pharmacy

May 1991

University of Kentucky

Lexington, Kentucky

Bachelor of Science in Pharmacy

December 1990

University of Kentucky

Lexington, Kentucky

ACADEMIC QUALIFICATIONS and ADMINISTRATIVE DUTIES

College of Pharmacy

Associate Dean

July 1, 2009 to present

July 1, 2005 to June 30, 2009

University of Arkansas for Medical Sciences

College of Pharmacy

Associate Dean for Professional Education

Associate Dean of Academic Affairs

Professor with Tenure

July 1, 2009 to present

University of Arkansas for Medical Sciences

Department of Pharmacy Practice

Associate Professor with Tenure

July 1, 2001 to June 30, 2009

University of Arkansas for Medical Sciences

Department of Pharmacy Practice

Assistant Professor

September 1, 1995 to June 30, 2001

University of Arkansas for Medical Sciences

Department of Pharmacy Practice

College of Medicine

Associate Professor

July 1, 2002 to present

University of Arkansas for Medical Sciences

Department of Pediatrics

Section of Pediatric Clinical Pharmacology & Toxicology

Assistant Professor

March 26, 1997 to June 30, 2002

University of Arkansas for Medical Sciences

Department of Pediatrics

Section of Pediatric Clinical Pharmacology & Toxicology

Instructor

November 1, 1995 to March 26, 1997

University of Arkansas for Medical Sciences

Department of Pediatrics

Section of Pediatric Clinical Pharmacology & Toxicology

Arkansas Children's Hospital

Affiliated Health Professional Staff

June 7, 1996 to present

Medical Staff Privileges

PROFESSIONAL EXPERIENCE

Pediatric Pharmacotherapy Research Fellowship

July 1993 to July 1995

The University of Tennessee, Memphis

LeBonheur Children's Medical Center

Mentor: Stephanie J. Phelps, Pharm.D., FCCP

Pediatric Specialty Residency ASHP Accredited

July 1992 to June 1993

University of Kentucky

University of Kentucky Medical Center

Mentor: Robert J. Kuhn, Pharm.D.

General Clinical Residency ASHP Accredited

July 1991 to June 1992

University of Kentucky

University of Kentucky Medical Center

Director: Max L. Hunt, M.S.

Research Assistant

May 1989 to August 1990

University of Kentucky

College of Pharmacy

Preceptor: Lisa Cassis, Ph.D.

RESEARCH EXPERIENCE

Extramural Funding

2007 Wal-Mart Annual Conference Scholarship Program recipient. Fellow-Catherine E. O'Brien & Faculty Mentor – Cindy D. Stowe: **\$1000**.

Fellowship mentor, "Short term safety and efficacy of luprostone in adults with cystic fibrosis." (Catherine E. O'Brien, Principal Investigator) Takeda, Inc. Submitted December 2006; **\$27,557**

Co-Investigator, "Effect of lubiprostone on nutritional status and pulmonary function in adults with cystic fibrosis." American Association of Health-System Pharmacists Foundation – New Investigator program. Submitted March 2006; **\$18,000**.

Unrestricted Educational Grant: TAP Pharmaceuticals, Inc. for UAMS COP CE Office. August 2005; **\$4538**

Co-Investigator, "Global assessment of pharmacy student performance in an objective structured clinical examination (OSCE) by senior medical student physician-standardized participants (SPs)." (Sherry Johnson, Principal Investigator) Association of Standardized Patient Educators. April 15, 2005; **\$4950**

Unrestricted Educational Grant: Wyeth Pharmaceuticals, Inc. for UAMS COP CE Office. August 2004; **\$2000**

Unrestricted Educational Grant: Wyeth Pharmaceuticals, Inc. for UAMS COP CE Office. April 2004; **\$3000**

Sub-Investigator, "Network of Pediatric Pharmacology Research Units." (Thomas G. Wells, Principal Investigator), National Institute of Child Health and Human Development. NIH RFA: HD-98-002. February 1, 2004-January 31, 2009

Sub-Investigator, "Pharmacokinetics of ceftazidime following intraperitoneal administration in pediatric patients receiving continuous cycling peritoneal dialysis." (Richard T. Blaszak, Principal Investigator) National Kidney Foundation of Arkansas, 2002 Chastain Research Grant. January 1, 2003; **\$10,000**

Sub-Investigator, "A pilot study to determine the effects of candesartan on blood pressure and renal hemodynamics in hypertensive children." (Amy Franks, Principal Investigator) National Kidney Foundation of Arkansas, 2001 Chastain Research Grant. January 1, 2002; **\$10,000**

RESEARCH EXPERIENCE, continued

Principal Investigator (Local site: UAMS/ACH), "Ontogeny of CYP2D6 activity during the first year of life." (J. Steven Leeder, Principal Investigator; University of Missouri, Kansas City & Children's Mercy Hospital) National Institute of Child Health and Human Development. HD36783-01. Sub-contract Multicenter Project. March 2000. **\$9500**

Sub-Investigator, "Network of Pediatric Pharmacology Research Units." (Thomas G. Wells, Principal Investigator), National Institute of Child Health and Human Development. NIH RFA: HD-98-002. February 1, 1999-January 31, 2004. Title: Associate Pharmacologist; **50% salary savings for 2.5 years**

Principal Investigator, "The effect of antihypertensive agents on plasma lipids in children with renal disease and hypertension." National Kidney Foundation of Arkansas, 1996 Chastain Research Grant. January 1, 1997; **\$10,000**

Principal Investigator, "Pharmacokinetics & pharmacodynamics of furosemide complexed with albumin." Astra Clinical Pharmacy Research Award in the first Award category. December 1, 1996; **\$10,000**

Intramural Funding

Co-Investigator, "Pharmacokinetics of pravastatin in children with end-stage renal disease." (Richard T. Blaszk, Principal Investigator) Dean's Research Development Fund. Submitted September 1, 2006; **\$26,690**

Co-Investigator, "Ketamine pharmacokinetic in children undergoing cardiac surgery." Dean's / Children's University Medical Group Research Development Fund (ACHRI). Funded with residual funds from group of investigators January 2006

Co-Investigator, "Lansoprazole disposition in young children with cystic fibrosis." (Holly D. Maples, Principal Investigator) UAMS 2006 Medical Research Endowment Proposal. November 2005; **\$15,000**

Co-Investigator, "Maturation of P-glycoprotein on lymphocytes." Dean's / Children's University Medical Group Research Development Fund (ACHRI). January 2004; **\$19,678**

Principal Investigator, "Cardiovascular effects of methylphenidate versus Adderall® in the treatment of male children with ADHD as assessed by 24-hour ambulatory blood pressure monitoring." Dean's / Children's University Medical Group Research Development Fund (ACHRI). September 1999; **\$8200**

Co-Investigator, "Fosphenytoin disposition in infants: an *in vitro* analysis." Dean's / Children's University Medical Group Research Development Fund (ACHRI). March 1999; **\$8972**

Principal Investigator, "Effect of nutritional alteration on the activity of CYP3A subfamily in primary rat hepatocyte culture." UAMS Foundation Fund Board - Medical Research Endowment Awards. August 1, 1997; **\$7874**

Unfunded Proposals

Co-Investigator, "The impact of CYP2C19 genotype on the pharmacokinetics of intravenous lansoprazole in cystic fibrosis compared to normal children." (Holly D. Maples, Principal Investigator) American Association of Colleges of Pharmacy 2005-2006 New Investigators Program for Pharmacy Faculty. Submitted 5/05; \$10,000

Principal Investigator, "Ketamine pharmacokinetic in children." Dean's / Children's University Medical Group Research Development Fund (ACHRI). Submitted March 2005; \$19,494

Sub-Investigator, "Intravenous lansoprazole in children with cystic fibrosis." (Holly D. Maples, Principal Investigator), Tap Pharmaceuticals. Submitted 9/04; \$40,000

RESEARCH EXPERIENCE, continued

Principal Investigator (Local site: UAMS/ACH), "Pediatric Pharmacogenetics" (J. Steven Leeder, Principal Investigator; University of Missouri, Kansas City & Children's Mercy Hospital) NIGMS GM-00-003. Sub-contract of Multicenter Project: Pharmacogenetics Research Network and Knowledge Base Grant. 5 year grant with total costs \$5,490,678; 30% salary support; Submitted 8/00

Principal Investigator, "Effects of nutritional alteration on CYP450 enzymes." AACP 1999-2000 New Investigators Program - Biological Sciences Academic Section. Submitted 5/99; \$10,000

Principal Investigator, "A pilot study to determine the safety and efficacy of candesartan in hypertensive children." Astra Pharmaceuticals Small Grant Program. Submitted 4/99; \$25,000

Principal Investigator, "Cardiovascular effects of methylphenidate versus Adderall® in the treatment of male children with ADHD as assessed by 24-hour ambulatory blood pressure monitoring." Dean's / Children's University Medical Group Research Development Fund (ACHRI). Submitted 3/99; \$10,600

Principal Investigator, "Effects of nutritional alteration on CYP450 enzymes." ACCP 1999-2000 Research Awards Program - Pharmacotherapy. Submitted 2/99; \$10,000

Principal Investigator, "A pilot study to determine the safety and efficacy of irbesartan in hypertensive children." Bristol-Myers Squibb Small Grants Program. Submitted 10/98; \$60,000

Principal Investigator, "Pharmacokinetics and pharmacodynamics of IV furosemide alone and complexed with albumin in infants." AACP 1996-97 New Investigators Program - Pharmacy Practice Academic Section. Submitted 6/96; \$10,000

Collaborative Research Projects

Co-Investigator, "Assessment of prescribing patterns for the treatment of ADD with or without hyperactivity among pediatric patients in Arkansas." (Stephanie F. Gardner, Principal Investigator), August 2006

Co-Investigator, "Comparison of self-, peer, and instructor assessments of case-based presentations in Therapeutics I Recitation Course." (Amy Franks, Principal Investigator), November 2005

Co-Investigator, "Effect of Cystic Fibrosis genotype and hepatic xanthine oxidase activity on the incidence and progression of hepatic dysfunction." (Marc G. Sturgill, Principal Investigator), UMDNJ-Robert Wood Johnson Medical School, January 1999

Sub-Investigator, "Ibuprofen: *In vivo* bioequivalence study (Study Number: IBU200)" (Henry C. Farrar, Principal Investigator), BASF. February 15, 1998

Co-Investigator, "A study of the steady-state pharmacokinetics of itraconazole and hydroxyitraconazole in pediatric patients" (Paul O. Gubbins, Principal Investigator), University of Arkansas for Medical Sciences, February 1996

Co-Investigator, "Pharmacokinetics and pharmacodynamics of famotidine in infants." (Laura P. James, Principal Investigator), University of Arkansas for Medical Sciences, September 1995

Fellowship Projects

Principal Investigator, "Bioavailability of phenytoin suspension in young pediatric patients." LeBonheur Small Research Grant & General Clinical Research Center, The University of Tennessee, Memphis, June 1994; \$25,350

Principal Investigator, "Evaluation of the effect of storage temperature and length on protein binding of phenytoin in human serum." The University of Tennessee, Memphis, November 1993

Co-Investigator, "Phenytoin pharmacokinetics in critically ill pediatric patients with closed head injuries." (Stephanie J. Phelps, Principal Investigator), LeBonheur Small Research Grant & Bea Gerber Research Award, February 1994; \$15,000

RESEARCH EXPERIENCE, continued

Co-Investigator, "Effect of an infusion device rate pulse technology on the pharmacodynamic effect of select medications (Dopamine and Dobutamine)." (Stephanie J. Phelps, Principal Investigator), Baxter Edwards, Inc., June 1992; \$34,850

Residency Project

Sub-Investigator, "A pilot pharmacokinetic evaluation of the transfer of alprazolam into human breast milk." University of Kentucky, College of Pharmacy, Upjohn, Inc., August 1992 to June 1993; \$72,500

Undergraduate Project

Research Assistant, "Tissue specific regulation of the angiotensinogen gene." University of Kentucky College of Pharmacy, May 1989 to August 1990

CONTRACTS

Consultant, Contract from State of Arkansas Employee's Benefits Division with the UAMS College of Pharmacy. **15% salary savings January 1, 2004 – June 30, 2005**

Consultant, Contract from Arkansas Department of Health and Human Services with the UAMS College of Medicine Department of Pediatrics Section of Clinical Pediatric Pharmacology. **25% salary savings July 1, 2003 - June 30, 2004**

PUBLICATIONS

Abstracts-Presentations and Letters

O'Brien CE, Anderson PJ, **Stowe CD**. Lubiprostone for the treatment of constipation in adults with cystic fibrosis: preliminary results. *Pediatric Pulmonology* 2009;XXX

- October 2009: Poster Presentation – North American Cystic Fibrosis Annual Meeting, Minneapolis, Minnesota

O'Brien CE, Flowers SK, **Stowe CD**. Comparison of responses to UAMS College of Pharmacy Employer and Graduate Surveys. *American Journal of Pharmaceutical Education* 2009; 73(4) Article:57

- July 2009: Poster Presentation – American Association of Colleges of Pharmacy Annual Meeting, Boston, Massachusetts

Stowe CD, Flowers SK, Warmack TS, O'Brien CE, Gardner SF. An interview objective structured clinical examination (OSCE): Multiple mini-interview (MMI). *American Journal of Pharmaceutical Education* 2008;72(3, Article 72).

- July 2008: Poster Presentation – American Association of Colleges of Pharmacy Annual Meeting, Chicago, Illinois

Stowe CD, O'Brien CE, Warmack TS, Gardner SF. Communication skill development: OSCE assessment of lay and healthcare provider encounter. *American Journal of Pharmaceutical Education* 2007;71(3, Article 60).

- July 2007: Poster Presentation – American Association of Colleges of Pharmacy Annual Meeting, Orlando, Florida

O'Brien CE, Franks AM, Dickey K, **Stowe CD**. Multiple rubric-based assessments of student case presentations in recitation. *American Journal of Pharmaceutical Education* 2007;71(3, Article 60).

- July 2007: Poster Presentation – American Association of Colleges of Pharmacy Annual Meeting, Orlando, Florida

PUBLICATIONS, continued

Flowers SK, **Stowe CD**, Hastings J. Utilizing service based learning to teach self-care topics to teachers and parents. Unpublished.

- June 2007: Round-table Educational Best Practices – American Pharmacy Association Self-Care Institute, Philadelphia, Pennsylvania

Gardner SF, **Stowe CD**. Stimulant utilization in children under a state employee benefit program. *Value in Health* 2007;10(3):A79.

- May 2007: Poster Presentation – ISPOR 12th Annual International Meeting, Arlington, Virginia

Franks AM, **Stowe CD**. A college of pharmacy elective course in research design. Unpublished.

- January 2007: Poster Presentation – UAMS Teaching Scholars Day, Little Rock, Arkansas

Stowe CD, Gardner SF. Student perceptions of introductory pharmacy practice experiences. *American Journal of Pharmaceutical Education* 2006;70(3):55-56.

- July 2006: Poster Presentation – American Association of Colleges of Pharmacy Annual Meeting, San Diego, California

Franks AF, Gardner SF, **Stowe CD**, Wells TG. Candesartan cilexetil effectively reduces blood pressure in hypertensive children. *Pharmacotherapy* 2005;25:1488.

Stowe CD. Advances in immunization technology. Unpublished

- December 2004: Invited Platform Presentation – American Society of Health-System Pharmacist Midyear Clinical Meeting, Orlando, Florida

Stowe CD, Gardner SF. Comparing inter-rater reliability between faculty and standardized participant (SP). Graders in an Objective Structured Clinical Exam (OSCE). *American Journal of Pharmaceutical Education*. 2004;68(2, Article 54):32A.

- July 2004: Poster Presentation – American Association of Colleges of Pharmacy Annual Meeting, Salt Lake City, Utah

Maples HD, **Stowe CD**, James LC, Darville T. Evaluation of short course direct observational therapy in pediatric HIV patients. *Journal of Investigative Medicine* 2004;52:S215.

Stowe CD. Review of “Guidelines for the acute medical management of severe traumatic brain injury in infants, children, and adolescents” in *Journal of Pediatric Pharmacology and Therapeutics* 2003;8(3):222-4. (LETTER)

Maples HD, West DS, Hubbard C, **Stowe CD**. Student use of personal digital assistants on senior pediatric clerkships. *Pharmacotherapy* 2003;23:417.

Maples HD, Darville T, **Stowe CD**. Evaluation of Trizivir® in pediatric HIV patients. *Journal of Investigative Medicine*. 2003;51:S308A.

Stowe CD, Gardner SF, Christensen KJ. Standardized patient examination scores are useful in identifying students most in need of remediation. *American Journal of Pharmaceutical Education* 2003;66:94s.

- July 2002: Poster Presentation – American Association of Colleges of Pharmacy Annual Meeting, Kansas City, Missouri

Gardner SF, Chamberlin G, Heestand D, **Stowe CD**. Barriers affecting the delivery of interdisciplinary didactic instruction. *American Journal of Pharmaceutical Education* 2003;66:80s.

Harik N, **Stowe CD**, Sieb P. Cesium induced prolonged QT syndrome. *Journal of Investigative Medicine* 2002;50:S141A.

PUBLICATIONS, continued

Maples HD, James LP, **Stowe CD**, Chesney R, Christensen M, Blumer J, Wilson J, Wells TG, Kearns G. Pharmacokinetics of famotidine in children and adolescents with chronic renal failure. *Clinical Pharmacology and Therapeutics* 2002;71:P4.

Stowe CD, Gardner SF. Is There a Correlation between Traditional Testing Methods and Standardized Patient Examinations as a Tool for Assessment in Therapeutics? *American Journal of Pharmaceutical Education* 2001;65:87s.

- July 2001: Poster Presentation – American Association of Colleges of Pharmacy Annual Meeting, Toronto, Canada

James LP, **Stowe CD**, Letzig L, Wells E, Graham CJ, Farrar HC. Fosphenytoin Conversion in Infants: An *In Vitro* Study. *Clinical Pharmacology and Therapeutics* 2001;69:P51.

Stowe CD. Pediatric immunization: therapeutic update and the pharmacist's role. *International Pharmaceutical Abstracts* 2000;35:PI-35.

- December 2000: Invited Platform Presentation – American Society of Health-System Pharmacist Midyear Clinical Meeting, Las Vegas, Nevada

Gardner SF, **Stowe CD**, Lewis YL. Reaching the Patient with Low Literacy: An Elective for Third Year Pharmacy Students. *American Journal of Pharmaceutical Education* 2000;64:116s-117s.

Stowe CD, Johnson JT, Savidge MA, Gardner SF. Increased Student Participation in the Evaluation of Faculty in a Team-Taught Course. *American Journal of Pharmaceutical Education* 2000;64:109s.

- July 2000: Poster Presentation – American Association of Colleges of Pharmacy Annual Meeting, San Diego, California

Stowe CD, Melchert RB, James LP. Effect of Dietary Protein on CYP3A Activity in Primary Rat Hepatocyte Culture. *Clinical Pharmacology and Therapeutics* 2000;67:149A.

- March 2000: Poster Presentation – American Society of Clinical Pharmacology and Therapeutics Annual Meeting, Los Angeles, California

Stowe CD, Bolliger TL, James LP, Farrar HC, Enderlin G. Prospective Therapeutic Drug Monitoring Program in a Tertiary Care, Pediatric Hospital. *Pharmacotherapy* 1998;18:1173A.

- November 1998: Poster Presentation – American College of Clinical Pharmacy Annual Meeting, Cincinnati, Ohio

Bolliger TL, **Stowe CD**, James LP, Pohlkamp M, Farrar HC, Enderlin G. Decreased Gentamicin and Vancomycin Levels in a Level III Neonatal Intensive Care Unit. *Pharmacotherapy* 1998;18:1173A.

James LP, Marotti T, **Stowe CD**, Farrar HC, Taylor BJ, Kearns GL. Famotidine Pharmacokinetics and Pharmacodynamics in Infants. *Clinical Pharmacology and Therapeutics* 1998; 63(2):190A.

James LP, Marotti T, **Stowe CD**, Farrar HC. Pharmacokinetics and Pharmacodynamics of Famotidine in Infants. *Journal of Investigative Medicine* 1998;46(1):7A.

Stowe CD. Pharmacokinetic Alterations Following Severe, Acute Neurotrauma. *International Pharmaceutical Abstracts* 1996;33(21):2316A.

- December 1996: Invited Platform Presentation – American Society of Health-System Pharmacist Midyear Clinical Meeting, New Orleans, Louisiana

Stowe CD, Storgion SA, Lee KR, Phelps SJ. Severe, Acute Neurotrauma Alters Phenytoin Pharmacokinetics in Children. *Pediatric Research* 1996;39(4 part 2):80A.

- May 1996: Poster Presentation – Society of Pediatric Research Annual Meeting, Washington, District of Columbia

PUBLICATIONS, continued

Stowe CD. Xenobiotics in Breast Milk. *International Pharmaceutical Abstracts* 1995;32(9):801A.

- June 1995: Invited Platform Presentation – American Society of Health-System Pharmacist Annual Meeting, Philadelphia, Pennsylvania

Stowe CD, Storgion SA, Lee KR, Phelps SJ. Effect of an Infusion Device Rate Pulse Technology on Pharmacodynamic Response to Dobutamine in Infants. *Clinical Research* 1993;41(4):783A.

- February 1994: Platform Presentation – Southern Society of Pediatric Research Meeting, New Orleans, Louisiana

Stowe CD, Record KE. Documentation of the effect of clinical pharmacy services on the quality assurance of a criteria-based antimicrobial program. *International Pharmaceutical Abstracts* 1992;27:P-95E.

- December 1992: Poster Presentation – American Society of Health-System Pharmacist Midyear Clinical Meeting, Orlando, Florida

Peer-Reviewed Publications

Stowe CD, O'Brien CE, Warmack TS, Flowers SK, Gardner SF. Communication skill development: OSCE assessment of lay and healthcare provider encounter. In preparation

Stowe CD, Flowers SK, Warmack TS, O'Brien CE, Gardner SF. Pharmacy applicant interview: Multiple mini-interview (MMI). In preparation

Neill KK, **Stowe CD.** The impact of a problem-based learning (PBL) elective on student performance in an OSCE. In preparation

Donahower BC, McCullough SS, Simpson PM, Lamps L, **Stowe CD,** Kurten R, Hinson JA, James LP. Human recombinant vascular endothelial growth factor (hrVEGF) reduces necrosis and enhances hepatocyte regeneration in a mouse model of acetaminophen toxicity. Submitted November 2009 to *Journal of Pharmacology and Experimental Therapeutics*.

O'Brien CE, Anderson P, **Stowe CD.** Use of the chloride channel activator lubiprostone for constipation in adults with cystic fibrosis: a case series. *Annals of Pharmacotherapy*, *In press* (November 17, 2009 letter of acceptance)

Franks AM, O'Brien CE, **Stowe CD,** Wells TG, Gardner SF. Candesartan Cilextil effectively reduces blood pressure in hypertensive children. *Ann Pharmacotherapy*;2008;42:1388-1395. Epub 2008 Jul 29.

O'Brien CE, Harik N, James L, Seib P, **Stowe CD.** Cesium chloride induced QT prolongation in an adolescent. *Pharmacotherapy* 2008;28(8):1059-1065.

O'Brien CE, Franks AM, **Stowe CD.** Multiple rubric-based assessments of student case presentations in recitation. *American Journal of Pharmaceutical Education* June 2008;72(3):Article 58.

Blake MJ, Gaedigk A, Pearce RE, Bomgaars LR, Christensen ML, **Stowe CD,** James LP, Wilson JT, Kearns GL, Leeder JS. Ontogeny of dextromethorphan O- and N-demethylation in the first year of life. *Clinical Pharmacology & Therapeutics* 2007;81(4):510-516.

Gardner SF, **Stowe CD.** The impact of a gender shift on a profession: Women in pharmacy. *Forum on Public Policy Online*. Winter 2007 edition <http://www.forumonpublicpolicy.com/archive07/gardner.pharmacy.pdf> accessed on 3/14/07.

Sisterhen LL, **Stowe CD,** Blaszkak CK, Blaszkak RT. Disposition of ceftazidime following intraperitoneal administration in adolescent patients receiving continuous cycling peritoneal dialysis. *American Journal of Kidney Diseases*. 2006;47(3):503-508.

PUBLICATIONS, continued

- Stowe CD**, Gardner SF. Real-time standardized participant grading of an objective structured clinical examination. *American Journal of Pharmaceutical Education*. 2005;69(3):272-275.
- Muldrew K, Maples HD, **Stowe CD**, Jacobs R. Intravenous Voriconazole Use in a Preterm Infant. *Pharmacotherapy*. 2005;25(6):893-898. (CASE REPORT)
- Harris B, West D, Johnson JT, Hong SH, **Stowe CD**. Effects on the cost and utilization of proton pump inhibitors from adding over-the-counter omeprazole to drug benefit coverage in a state employee health plan. *Journal of Managed Care Pharmacy* 2004;10(5):449-55.
- Johnson JT, **Stowe CD**, Savidge MA, Gardner SF. Enhancing the quantity and quality of student comments on teaching assessment. *Journal of Pharmacy Teaching* 2004;11(1):41-56.
- Maples HD, **Stowe CD**, Saccente SL, Jacobs RF. Voriconazole serum concentration in an infant treated for *Trichosporon beigelii* infection. *Pediatric Infectious Disease Journal*. 2003;22(11):1022-4.
- Maples HD, James LP, **Stowe CD**, Jones DP, Hak EB, Blumer JL, Vogt B, Wilson JT, Kearns GL, Wells TG. Famotidine Disposition in Children and Adolescents with Chronic Renal Insufficiency. *Journal of Clinical Pharmacology* 2003;43(1):7-14.
- Gardner SF, Chamberlin GD, Heestand DE, **Stowe CD**. Interdisciplinary Didactic Instruction at Academic Health Centers in the United States: Attitudes and Barriers Affecting Its Delivery. *Advances in Health Science Education* 2002;7(3):179-190.
- Stowe CD**, Gardner SF, Gist CC, Schulz EG, Wells TG. 24-Hour Ambulatory Blood Pressure Monitoring in Male Children Receiving Stimulant Therapy. *Annals of Pharmacotherapy* 2002;36:1142-9.
- Gardner SF, **Stowe CD**, Hopkins DD. A Comparison of Traditional Testing Methods and Standardized Patient Examinations for Therapeutics. *American Journal of Pharmaceutical Education* 2001;65:236-240.
- Stowe CD**, Gardner SF. Hypertension Associated with Adderall® Use in a Pediatric Patient with ADHD *Journal of Pediatric Pharmacology and Therapeutics* 2001;6:347-350. (CASE REPORT)
- Stowe CD**, Bolliger T, James LP, Haley TM, Griebel ML, Farrar HC. Acute Mental Status Changes and Hyperchloremic Metabolic Acidosis with Long-Term Topiramate Therapy. *Pharmacotherapy* 2000;20:105-109. (CASE REPORT)
- James LP, **Stowe CD**, Argao EA. Gastric Injury Following Copper Sulfate Ingestion. *Pediatric Emergency Care* 1999;15:429-431. (CASE REPORT)
- James LP, **Stowe CD**, Farrar HC, Menendez AA, Argao EA. The Pharmacokinetics of Oral Ranitidine in Children and Adolescents with Cystic Fibrosis. *Journal of Clinical Pharmacology* 1999;39:1242-1247.
- Stowe CD**, Phelps SJ. Reduced Clearance of Theophylline in Down Syndrome. *Journal of Clinical Pharmacology* 1999;39:359-365. (CASE REPORT SERIES)
- James LP, Marotti T, **Stowe CD**, Farrar HC, Taylor BJ, Kearns GL. Pharmacokinetics and Pharmacodynamics of Famotidine in Infants. *Journal of Clinical Pharmacology* 1998;38:1089-1095.
- Stowe CD**, Storgion SA, Lee KR, Phelps SJ. Hemodynamic Response to Intentionally Altered Flow Continuity of Dobutamine and Dopamine by an Infusion Pump in Infants. *Pharmacotherapy* 1996;16:1018-1023.

PUBLICATIONS, continued

Book Chapters and Invited Reviews

Stowe CD, Gardner SF. “Leading UP: How to Manage Your Boss”, in The Dean’s Compass: Practical Advice for Achieving Excellence. Chase P, Hayes B, Yanchick V, 1st ed. American Association of Colleges of Pharmacy, Alexandria, VA, 2008.

Maples HD, James LP, **Stowe CD**. Chapter : “Special Pharmacokinetic and Pharmacodynamic Considerations in Pediatrics”, in Applied Pharmacokinetics and Pharmacodynamics: Principles of Therapeutic Drug Monitoring. Burton ME, Shaw LM, Schentag JJ, Evans WE 4th ed. Lippincott Williams & Wilkins, Philadelphia, 2006.

Stowe CD, Maples HD. “Immunizations”, in Pediatric Pharmacotherapy Continuing Education Workbook. Kuhn RJ, 4th ed. University of Kentucky Press. Lexington, Kentucky, 2003.

Maples HD, **Stowe CD**. Pediatric Pharmaceutical Care in the Community Setting. *America’s Pharmacist*. 2002; November 38-43.

Wells TG, **Stowe CD**. An Approach to the Use of Antihypertensive Drugs in Children and Adolescents. *Current Therapeutic Research* 2001;62:329-350.

Stowe CD, Jacobs RF. Treatment of Tuberculous Infection and Disease in Children: The North American Perspective. *Paediatric Drugs* 1999;1(4):299-312.

Stowe CD, Butler DR. “Immunizations”, in Pediatric Pharmacotherapy Continuing Education Workbook. Kuhn RJ, 3rd ed. University of Kentucky Press. Lexington, Kentucky, 1999.

Pohlkamp TM, Christensen CT, **Stowe CD**. Lung Surfactants. Invited review published by *University HealthSystem Consortium Drug Monograph* series. December 1998.

Stowe CD, Farrar HC. Chapter 305: “Pharmacokinetics of Antimicrobials”, in Principles & Practice of Pediatric Infectious Diseases. Long SS, Pickering LK, Prober CG 1st ed. Churchill Livingstone, New York, New York. 1997.

Stowe CD, Phelps SJ, Hak EB. Chapter 61: “Immunizations”, in Textbook of Therapeutics Drug Disease Management. Herfindal ET, Gourley DR, Hart LL, 6th ed. Williams & Wilkins, Baltimore, Maryland. 1996.

Stowe CD, Ivey M, Kuhn RJ, Piccoro JJ. Chapter 7: “Intravenous Pediatric Medications”, in Problems in Pediatric Drug Therapy. Pagliaro LA and Pagliaro AM, 3rd ed. Hamilton Press, Inc. Hamilton, IL, 1994.

Stowe CD, Butler DR. “Immunizations”, in Pediatric Pharmacotherapy Continuing Education Workbook. Kuhn RJ, 2nd ed. University of Kentucky Press. Lexington, Kentucky, December 1993.

Stowe CD, Gora ML. Naloxone in the Treatment of Dementia. *The Annals of Pharmacotherapy* 1993;27(4):447-448.

Stowe CD, Kuhn RJ, Calhoun D. Guidelines for Administration of Medications in the Neonatal Intensive Care Unit. 2nd ed. University of Kentucky Press. Lexington, Kentucky, June 1993.

PRESENTATIONS

August	2009	SP Use in the Education of Pharmacists Webinar, Association of Standardized Patient Educators
July	2009	High Stakes OSCE Platform, American Association of Colleges of Pharmacy Boston, Massachusetts

PRESENTATIONS, continued

June	2009	SP Methodology across Professions Panel Discussion & Platform, Association of Standardized Patient Educators <i>Las Vegas, Nevada</i>
April	2008	Your 1 st Position – How to get off on the right foot Workshop, Pediatric Pharmacy Advocacy Group <i>Little Rock, Arkansas</i>
October	2006	New Practitioner’s Luncheon: Develop Your Strengths Platform, Pediatric Pharmacy Advocacy Group <i>San Francisco, California</i>
October	2005	Pediatric Immunization Update: Role of the Pharmacist Platform, Pediatric Pharmacy Advocacy Group <i>Chicago, Illinois</i>
November	2003	Hot Topics in Pediatric Immunization Platform, American College of Clinical Pharmacy <i>Atlanta, Georgia</i>
October	2003	Pediatric Clerkship Design Workshop, Pediatric Pharmacy Advocacy Group <i>Dana Point, California</i>
October	2002	New Vaccines and Pediatric Applications Platform, Pediatric Pharmacy Advocacy Group <i>St. Petersburg, Florida</i>
May	1999	Immunization Update and the Pharmacist’s Role in Immunization Advocacy Platform, Kentucky Association of Health-System Pharmacist <i>Lexington, Kentucky</i>
June	1998	Review of Pediatric Drug Therapy Platform, Arkansas Pharmacist Association Annual Meeting <i>Little Rock, Arkansas</i>
March	1995	The What and Where Guide to Postgraduate Education Panel Discussion, American Pharmacist Association Annual Meeting & Exposition <i>Orlando, Florida</i>
February	1995	Stability of Free Phenytoin Concentration Following Ultrafiltrate Storage Poster, American College of Clinical Pharmacy Winter Forum <i>Orlando, Florida</i>
August	1994	Effect of an Infusion Device Rate Pulse Technology on Pharmacodynamic Response to Dobutamine in Infants Encore Poster, American College of Clinical Pharmacy Annual Meeting <i>St. Louis, Missouri</i>
November	1993	Alprazolam Transfer into Human Milk: <i>in vivo</i> Evaluation of a Diffusional Model Poster, American Association of Pharmaceutical Scientists Meeting <i>Orlando, Florida</i>

INSTRUCTION

CURRENT PARTICIPATION

- 2008 to present **Preceptor**, Academic Pharmacy Elective APPE
COP University of Arkansas for Medical Sciences
- 2007 to present **Mentor**, Pharmacy Practice III – Longitudinal IPPE
COP University of Arkansas for Medical Sciences
- 2005 to present **Lecturer**, Pharmacy Practice I (Introduction to Pharmacy)
COP University of Arkansas for Medical Sciences
- 2010 to present **Lecturer**, Clinical Pharmacokinetics
COP University of Arkansas for Medical Sciences
- 1997 to present **Mentor/Coordinator**, Independent Problems in Pharmacy Practice
College of Pharmacy Student Research Projects
Kendre'a Muldrew: Spring 04
Temple Bolliger: Fall 98 & Fall 97
Michael Chandler: Spring 98 & Fall 97

PREVIOUS PARTICIPATION

- 2007 to 2009 **Co-Coordinator**, Pharmacy Practice I (Introduction to Pharmacy)
COP University of Arkansas for Medical Sciences
FA2007 PhPr3423 overall mean rating 4.27 out of a possible 5.00 (63/118)
FA2006 PhPr3423 overall mean rating 3.65 out of a possible 5.00 (103/119)
All required courses 08-07 3.92 ± 0.64 (mean ± SD)
Range: 2.34 - 4.74
- 2006 to 2008 **Team Member**, Clinical Pharmacology Research Fellowship Program
COP University of Arkansas for Medical Sciences
Fellows:
Catherine O'Brien, Pharm.D. July 2006-2008
- 2004 to 2008 **Lecturer**, Applied Pharmacokinetics
COP University of Arkansas for Medical Sciences
FA2007 PhSci4445 overall mean rating 3.92 out of possible 5.00 (95/116)
FA2006 PhSci4445 overall mean rating 3.37 out of possible 5.00 (70/93)
All instructors 06-07 4.03 ± 0.52 (mean ± SD)
Range: 2.83 - 4.85
- 2002 to 2006 & 2008 **Lecturer**, Therapeutics III
COP University of Arkansas for Medical Sciences
- 1998 to 2008 **Lecturer**, Pharmacy Practice III – Injection Technique Certification
COP University of Arkansas for Medical Sciences
- 2006 to 2007 **Lecturer**, Introduction to Research Methods (Elective)
COP University of Arkansas for Medical Sciences
- 2006 to 2007 **Lecturer**, Therapeutics I
COP University of Arkansas for Medical Sciences

INSTRUCTION, continued

1991 to 1992 **Lecturer**, Clinical Clerkship (Bachelor of Science)
University of Kentucky

PROFESSIONAL SERVICE

CURRENT PARTICIPATION: *College Level*

- 2008 to present **Member**, Computer Utilization Committee
- New appointment 2008-2009
- 2008 to present **Member**, *ad hoc* Summative Examination 2 Committee
- Exam created and to be administered in December 2009 – Class of 2010 as a high stakes 10-station examination
 - Exam created and administered in December 2008 – Class of 2009 as a low stakes pilot 8-station examination
 - Contributed to the plan for the first summative progression examination for seniors
 - Examination case reviewer
- 2006 to present **Faculty Advisor**, *Phi Lambda Sigma*
- 2005 to present **Ex-officio (voting) Member**, Curriculum Committee
- Major revision of curriculum – pharmacy practice & pharmaceutical sciences 2008-2011
 - Curricular review 3-year plan implementation 2008-2009
 - Move IV techniques & dispensing to earlier in the curriculum 2007-2009
 - 3-year plan to improve communications curriculum 2007-2010
 - Enhancement of experiential curriculum – IPPE & APPE 2005-2009
 - Revision of pre-pharmacy requirements in 2006 to be implemented for the entering class of 2008
- 2005 to present **Member**, Executive Committee
- Academic title criteria
 - ACPE Interim Report Draft – 2009
 - ACPE Interim Report Draft – 2008
 - Participated in campus strategic planning retreat 2007 & 2008
 - Revised the outside employment tracking system for the College
 - LiveText™ implementation (accreditation management) – 2007 to present
 - Major revision to Student Handbook and Catalog – 2007
 - Authored COP Assessment Plan – 2007
 - Revision of College's Special Testing Accommodation policy – 2006
 - Updated Faculty-Self Assessment form – 2006
 - Implemented new faculty & course evaluation plan – 2005
 - Drafted Academic Citizenship policy – 2006
 - Created revised draft of COP Strategic Plan from Faculty input – 2006
 - Involved in SWOT analysis for College – 2006
 - Revised Student Learning disability policy – 2006
 - Drafted College response to legislative sub-committee – AR 2020-UAMS COP – 2006
 - Developed College Faculty Handbook – 2005
 - Revised Organizational chart with updates as needed – 2005

PROFESSIONAL SERVICE, continued

- 2005 to present **Ex-officio (voting) Member**, Scholastic Standing Committee
- Progression examination implementation – 2008
 - Consideration of revision of “D” rule & elective didactic grading scale – 2008
 - Revision of experiential progression – implementation of IPPEs – 2007
 - Student Honor Code development and implementation – 2006-2009
 - Revision of didactic progression – 2006
 - Revision of experiential progression secondary to curricular enhancements – 2005
- 2005 to present **Ex-officio (non-voting) Member**, Assessment Committee
- Summative Exam 2 – high stakes administration planned – December 2009
 - Summative Exam 1 – high stakes administration – April 2009 – 100% passed
 - Summative Exam 2 – low stakes administration – December 2008
 - Summative Exam 1 – low stakes administration – April 2008
 - Revision of the UAMS COP Competency Statements – 2006
 - New campus student-faculty teaching & -course evaluation forms adopted by faculty – 2005
- 2005 to present **Mentor**, Mentorship Program / Portfolio

CURRENT PARTICIPATION: *University Level*

- 2007 to present **Chair**, Appointment, Promotion and Tenure Committee
Office of Educational Development
- 2005 to present **Member**, Simulation Center Committee
Clinical Skills Center
- 2005 to present **Member**, Vice-Chancellor for Academic Affairs Advisory Committee
Office of the Chancellor
- 2005 to present **Member**, Teaching Scholars Advisory Committee
Office of Educational Development
- 2004 to present **Member**, Appointment, Promotion and Tenure Committee
Office of Educational Development
- 2001 to present **Member**, Advisory Board
Clinical Skills Center

CURRENT PARTICIPATION: *State Level*

- 2005 to present **Member**, Policy Committee on Professional Affairs & Ethical Practices
Arkansas Pharmacists Association

CURRENT PARTICIPATION: *National Level*

- 2010 to 2011 **Chair**, Resolutions Committee
Women’s Faculty Special Interest Group
American Association of Colleges of Pharmacy
- 2010 to 2011 **Chair**, Assessment Special Interest Group
American Association of Colleges of Pharmacy
- 2009 to 2011 **Member**, Resolutions Committee
Women’s Faculty Special Interest Group
American Association of Colleges of Pharmacy

PROFESSIONAL SERVICE, continued

2009 to 2010	Chair-Elect , Assessment Special Interest Group <i>American Association of Colleges of Pharmacy</i>
2009 to 2010	Chair , Institutional Research and Assessment Committee <i>American Association of Colleges of Pharmacy</i>
2008 to 2010	Member , Institutional Research and Assessment Committee <i>American Association of Colleges of Pharmacy</i>
2007 to present	Member , Lexi-Comp Academic Advisory Council <i>Lexi-Comp</i>
2006 to present	Member , Task Force Committee on <i>Journal</i> Improvement <i>American Association of Colleges of Pharmacy</i>
2005 to present	Alternate Delegate , Council of Deans <i>American Association of Colleges of Pharmacy</i>
2000 to present	Member , <i>The Journal of Pediatric Pharmacology and Therapeutics</i> <i>Editorial Board</i>

PREVIOUS PARTICIPATION: Department Level: Pharmacy Practice

2001 to 2008	Co-Chair , Pharmaceutical Care Encounters Program
2003 to 2004	Chair , Ambulatory Care Faculty Search Committee
1997 to 1998	Coordinator , Pharmacy Practice Forum
1997 to 1998	Chair , Injection Review Committee

PREVIOUS PARTICIPATION: College Level

2003 to 2008	Member , Promotion and Tenure Committee
2008 to 2009	Ex-officio (non-voting) Member , Awards and Financial Aid Committee
2008	Member , <i>ad hoc</i> Summative Examination 1 Committee <ul style="list-style-type: none">• Exam administered in April 2008 – Class of 2010 as a low stakes pilot examination• Contributed planning for first summative examination for rising P3 students• Examination question reviewer
2007 to 2008	Member , <i>ad hoc</i> Portfolio Working Group <ul style="list-style-type: none">• Contributed to the development of the first draft of the Competency Outcomes global rubric• Contributed to the selection of the e-portfolio system to be implemented for the student portfolio management• Contributed to the development of a grading rubric for student summative assessment

PROFESSIONAL SERVICE, continued

2006 to 2008	Chair, ACPE Self-Study Leadership Team <ul style="list-style-type: none">• Participated in site team meetings• Put final report together – edited report• Led monthly meetings to move the process forward• Organized and led faculty retreat focused on the self-study in May 2006 and May 2007• Identified leadership and membership of each working group – 6 sections• Organized and conducted a retreat of Leadership Team• Organized Self-Study plan
2004 to 2007	Director, Continuing Education Program <ul style="list-style-type: none">• Contract to provide co-sponsorship for the Arkansas Pharmacists Association CE programming – 2006• Completed the ACPE self-study process 2006-2007 with renewed accreditation through January 31, 2011• Direct two administrative staff and one faculty member• Contract to provide co-sponsorship for the Association of Arkansas Health-System Pharmacists CE programming – 2005• Leading a CE program that provides on average 90 contact hours annually of both independent and co-sponsored programming for pharmacy practitioners
2002 to 2005	Member, Curriculum Committee
1999 to 2005	Member, Awards & Financial Aid Committee
2004	Small Group Leader, 5-year Strategic Plan: Practice & Service Group
2003 to 2004	Chair, Student Research Committee
2000 to 2004	Member, Student Research Committee
2002 to 2003	Alternate Member, Promotion and Tenure Committee – Served as Member
2001 to 2003	Member and Chair, Pharmacy Practice Student Fellowship Selection Committee
2001 to 2002	Alternate Member, Promotion and Tenure Committee
1999 to 2001	Member, Assessment Committee
1999 to 2001	Member, Undergraduate Admissions Committee
1997 to 2001	Mentor, Mentorship Program <ul style="list-style-type: none">▪ Nikki Finch, Class of 2004▪ Jennifer Johnson, Class of 2003▪ Marshall Malone, Class of 2002▪ Amy Hartman, Class of 2001▪ Laura Ross, Class of 2004▪ Diana Stanford, Class of 2003▪ Melanie Taff, Class of 2002▪ Charles Sifford, Class of 2001
1997 to 2001	Faculty Advisor, Student Society of Hospital Pharmacy
September 1997 & July 1999	Representative, Arkansas Health Professions Partnership Initiative Grant

PROFESSIONAL SERVICE, continued

PREVIOUS PARTICIPATION: *University Level*

- 2008 to 2009 **Member**, Academic Computing Advisory Committee
Office of the Chancellor
- 2006 to 2007 **Member**, Education IV Building Planning Committee
Office of the Chancellor
- 2005 to 2007 **Vice-Chair**, Criteria 3 Committee, Higher Learning Commission
North Central Association Accreditation Project
Office of the Chancellor
- Criterion 3a section development and writing
 - Student survey development group
 - Faculty survey development group

PREVIOUS PARTICIPATION: *State Level*

- 2000 to 2005 **Member**, Arkansas Medicaid Retrospective DUR Committee
Health Information Designs, Inc.

PREVIOUS PARTICIPATION: *National Level*

- 2006 to 2007 **Member**, Task Force Committee on Funding/Benefits for Residencies
American Association of Colleges of Pharmacy
- 2005 to 2007 **Member**, Board of Directors
Pediatric Pharmacy Advocacy Group
- 2005 to 2007 **Member**, Committee for Educational Needs Assessment and Evaluation
Pharmat, Inc.
- 2004 to 2007 **Member**, COD/COF ACPE Research Metrics Task Force Committee
American Association of Colleges of Pharmacy
- 2001 to 2007 **Member**, Research Committee
Pediatric Pharmacy Advocacy Group
- 2002 to 2005 **Member**, Education Committee
Pediatric Pharmacy Advocacy Group
- 2002 to 2003 **Delegate**, Council of Faculty
American Association of Colleges of Pharmacy
- 2002 to 2002 **Mentor**, Mentorship Program
University of Florida A&M, College of Pharmacy
- Jennifer Williams, Pharm.D., Assistant Professor
- 2000 to 2002 **Alternate Delegate**, American Associations of Colleges of Pharmacy
- 2000 to 2002 **Reviewer**, Pediatric Injectable Drugs Editor: SJ Phelps 6th Edition, 2002
American Society of Health-Systems Pharmacists

PROFESSIONAL SERVICE, continued

UAMS Sponsored Continuing Pharmacist Education

November 2005	Update on Acute Otitis Media and Meningitis (Little Rock, AR)
September 2004	Arkansas Pharmacist Association Gold Certificate Program (Little Rock, AR) <ul style="list-style-type: none">• <i>Otitis Media Update</i>• <i>Adult Immunizations: Focus on Prevention of Influenza & Pneumococcal Disease</i>
August 2004	Vacation Program (Orange Beach, AL) <ul style="list-style-type: none">• <i>Otitis Media Update</i>• <i>Current Routine Pediatric Immunization and Future Possibilities</i>• <i>Adult Immunizations: Focus on Prevention of Influenza & Pneumococcal Disease</i>
October 2003	Immunization Review (Lake Village, AR)
September 2003	Immunization Review (Destin, FL)
September 2002	New Vaccines and Pediatric Application (Helena, AR)
November 2001	Disease Screening in Obese Pediatric Patients (Little Rock, AR)
October 2001	Common Pediatric Infections: OM and Meningitis (Fayetteville, AR)

UAMS Sponsored Continuing Pharmacist Education, continued

November 2000	Update on Immunizations (Jonesboro, AR)
August 2000	Update on Immunizations (El Dorado, AR)
Spring 2000	Dyslipidemia Disease State Management <i>Clinical Skills: Documentation</i>
September 1999	Update on Immunizations
Fall 1999	Asthma Disease State Management <i>Clinical Skills: Taking an Asthma History</i> <i>Clinical Skills: Documentation</i> <i>Progressive Case Facilitation</i>

POSTGRADUATE and PROFESSIONAL DEVELOPMENT

University of Arkansas for Medical Sciences

May 2007 to present	Leadership Book Club Leader: Stephanie F. Gardner, PharmD, EdD
July 2004 to June 2006	Leadership Book Club Leader: Debra Fiser, MD
July 2004 to July 2005	Academic Leadership Fellows Program American Association of Colleges of Pharmacy Mentors: Stephanie F. Gardner, PharmD, EdD Katherine E. Stewart, PhD, MPH
September 1998 to 2000	UAMS Teaching Scholars Lee Lee Doyle, PhD, Diane Heestand, EdD, and Glenda Cooper, MA
January 1997 to May 1997	IREC 7360 Seminar in Improvement of Curriculum and Instruction in Health Professions Education Diane E. Heestand, PhD and Ruth Allen, PhD

POSTGRADUATE and PROFESSIONAL DEVELOPMENT, continued

The University of Tennessee, Memphis, 1993-1995

August 1994 to May 1995	BIO 711 & 721 Biostatistics for Health Sciences Jim Y. Wan, PhD
August 1993 to June 1995	Pharmacokinetic Journal Club John Lima, PharmD
August to December 1994	BIO 928 Principles of Mass Spectrometry Dominic Desiderio, PhD
July to October 1993	PD 476 Advanced Pharmacokinetics and Pharmacodynamics John Lima, PharmD

CERTIFICATION

October 1997 to present	Injection Certification (AR)
September 1987 to present	Basic Cardiac Life Support - Healthcare Provider
November 1992 to 1997	Pediatric Advanced Life Support Provider

HONORS

Faculty Marshal Convocation & Commencement	<i>UAMS COP Graduating Class of 2003, 2004, & 2005</i>
Published Biography (2003)	<i>Who's Who in America</i>
Most Outstanding Faculty Award Department of Pharmacy Practice	<i>UAMS COP Graduating Class of 2002</i>
The Impact Award (1993)	<i>University of Kentucky Residency Program</i>
Upjohn Pharmacy Research Award (1990)	<i>University of Kentucky College of Pharmacy</i>
Excellence in Pharmacology Award (1989)	<i>University of Kentucky College of Pharmacy</i>

LICENSURE

January 1996 to present	Arkansas	# 8400
November 1993 to 1999	Tennessee	# 8933
January 1991 to present	Kentucky	# 10186

PROFESSIONAL ORGANIZATIONS

Association of Standardized Patient Educators
Pediatric Pharmacy Advocacy Group
American Association of Colleges of Pharmacy
American College of Clinical Pharmacy
American Society of Health-System Pharmacists
Phi Lambda Sigma Pharmaceutical Leadership Fraternity
Lambda Kappa Sigma Pharmaceutical Fraternity

COMMUNITY SERVICE

Softball Coach (Spring 2003)

Highway 10 Co-ed League (6-9 year-olds)