

## CURRICULUM VITAE

### LISA COMER HUTCHISON

#### PERSONAL DATA

Primary Appointment:  
Associate Professor  
College of Pharmacy  
University of Arkansas for Medical Sciences

Work Address:  
College of Pharmacy Slot 522  
University of Arkansas for Medical Sciences  
4301 W. Markham St.  
Little Rock, AR 72205  
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Home Address:  
26 Ferncrest Drive  
Little Rock, AR 72223  
Phone: 501-821-2050

e-mail: hutchisonlisac@uams.edu

#### EDUCATION AND TRAINING

Master of Public Health  
January 2000-December 2001

University of South Florida  
Tampa, Florida

Residency Training  
July 1983-June 1984

Clinical Pharmacy  
Memphis VA Medical Center  
Memphis, Tennessee

Doctor of Pharmacy  
September 1981-June 1983

University of Tennessee-College of Pharmacy  
Memphis, Tennessee

Bachelor of Science in Pharmacy  
September 1979-June 1982

University of Tennessee-College of Pharmacy  
Memphis, Tennessee

#### BOARD CERTIFICATION

Pharmacist Licensure

Tennessee #5849, 1982  
Florida # PS-0032638, 1997  
Arkansas #9243, 2001

Pharmacotherapy specialist  
(BCPS)

Board of Pharmaceutical Specialties #292238, 1992 to present

### **ACADEMIC APPOINTMENTS**

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| July 2000 to present                                   | Associate Professor<br>College of Pharmacy   |
| July 2002 to present                                   | Associate Professor (Secondary Appointment)<br>College of Public Health<br>University of Arkansas for Medical Sciences             |
| October 1996 to June 2000                              | Adjunct Faculty<br>University of Florida, Mercer University and<br>Nova Southeastern Colleges of Pharmacy                          |
| July 1996 to October 1996<br>October 1984 to July 1996 | Clinical Associate Professor<br>Clinical Assistant Professor<br>University of Arkansas for Medical Sciences<br>College of Pharmacy |

### **PROFESSIONAL EXPERIENCE**

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|---|---|
| July 2000 to present                              | Clinical Pharmacist<br>Donald W. Reynolds Institute on Aging  |
| January 2001 to present                           | Consultant, Pharmacy Service,<br>Central Arkansas Veterans Healthcare System  |
| April 2000-June 2000<br>October 1996 to June 2000 | Interim Administrative Director, Pharmacy Department<br>Assistant Director, Clinical Affairs, Research & Education<br>Pharmacy Department<br>Florida Hospital<br>Orlando, Florida |
| July 1984-October 1996                            | Education/Quality Management Coordinator<br>Little Rock VA Medical Center   |
| October 1982-June 1983                            | Staff Pharmacist, Memphis VA Medical Center   |

### **AWARDS**

Merck Sharp and Dohme Award for Outstanding Contributions to Hospital Pharmacy, 1990

ASHP Foundation Award for Achievement in the Professional Practice of Pharmacy in Organized Health Care Settings, 1993

Hospital Pharmacist Manager of the Year, Arkansas Academy of Hospital Pharmacists, 1993

Federal Woman of the Year, Scientific/Medical (supervisory), 1994, Federal Women's Program Council of Arkansas

American Pharmacists Association Distinguished Achievement in Hospital and Institutional Practice, 2008

Fellow, American College of Clinical Pharmacy, 2008

## PUBLICATIONS

### Book

Hutchison LC, Sleeper-Irons R, eds. *Fundamentals of Geriatric Pharmacotherapy: An Evidence-Based Approach*. Bethesda, MD: American Society of Health-system Pharmacists, *In Production*

### Book Chapters

Blaszczyk AT, Hutchison LC. Central Nervous System. . In: Hutchison LC, Sleeper-Irons R, eds. *Fundamentals of Geriatric Pharmacotherapy*. Bethesda, MD: American Society of Health-system Pharmacists, *In Production*

Hutchison LC. Biomedical Principles of Aging. In: Hutchison LC, Sleeper-Irons R, eds. *Fundamentals of Geriatric Pharmacotherapy*. Bethesda, MD: American Society of Health-system Pharmacists, *In Production*

Hutchison LC, Kajkenova O. Prevention of Drug Reactions and Allergies in Dermatology. In: Norman R, ed. *Preventive Dermatology*. Florissant, MO: Springer *In Production*

Hutchison LC. Dermatologic Drug Therapy in the Elderly. In: Norman R, ed. *Handbook of Geriatric Dermatology*, Cambridge University Press. *Submitted*

Hutchison LC. The Pharmacology of Aging. In: Dharmarajan TS, Norman R, eds. *Clinical Geriatrics*, Parthenon Publishing (London) 2002.

Hawkins D, McKenney JM, Covey DF, Hutchison LC. Therapeutic Lifestyle Changes. In: McKenney JM, Hawkins D, eds. *Handbook on the Management of Lipid Disorders*, 2<sup>nd</sup> edition. National Pharmacy Cardiovascular Council (St. Louis, MO), 2001.

### Continuing Education Publication

Hutchison LC, ed. *Lipoprotein Metabolism and Atherosclerosis: Indications for Treatment*. Revised edition, 1994. Bristol-Myers Squibb Company.

### Refereed

Hutchison LC. Pharmacist approach to geriatrics. *Am J Lifestyle Med*, *accepted for publication*.

American College of Clinical Pharmacy (Written by the 2003 Public and Professional Affairs Committee: Hatton RC, Chavez ML, Jackson E, Maury J, Barriere SL, Couchenour R, Evens RP, Gunning K, Hume AL, Hutchison LC, Matzke GR, Noviasky JA, Rospond RM, Kelloway JS, Stevens JG, Vanderveen P, Verme-Gibboney CN, Walters D.) *Pharmacists and industry: Guidelines for ethical interactions*. *Pharmacotherapy*, 2008; 28: 410-20.

Hutchison LC. Medicare Part D. In: Dunsworth T, Richardson M, Chant C, et al. *Pharmacotherapy Self-Assessment Program*, 6<sup>th</sup> Edition, Book 4 Science and Practice of Pharmacotherapy. American College of Clinical Pharmacy (Kansas City, MO) 2007:83-98.

Hutchison LC, O'Brien C. Changes in Pharmacokinetics and Pharmacodynamics in the Elderly Patient. *J Pharm Prac*, 2007; 20(1):4-12.

Hutchison LC. The Pharmacist and the Medicare Modernization Act: Beauty and the Beast? Consultant Pharmacist, 2007; 22:57-9. (Editorial)

Viegas SM, Richards KC, Beck CK, Lambert CW, O'Sullivan PS, Cole CS, Hutchison L, Shue VM. Predictors of daytime sleep of nursing home residents with dementia. J Am Psychiatr Nurses Assoc, 2006; 12(5): 286-93.

Hutchison LC, Jones SK, West DS, Wei JY. Assessment of Medication Management in the Elderly with Two Standardized Assessment Tools. Am J Geriatric Pharmacother, 2006; 4:144-153.

Hutchison LC, Williams K, Riggs A. A Tool to Potentially Reduce Medication-Related Falls. Long-Term Care Interface; 2004; 5(11):31-35.

Hutchison LC. Health and Public Policy as it Affects Seniors. In: Pharmacotherapy Self-Assessment Program, 5<sup>th</sup> Edition, Book 4 Geriatrics/Special Populations. American College of Clinical Pharmacy (Kansas City, MO), 2004; pp71-90.

Calais KA, Hutchison LC, Elliott ME, Ives TJ, Zillich AJ, Poirier T, Townsend KA, Woodall B, Feldman S, Raebel MA. Healthy People 2010: Challenges, Opportunities, and a Call to Action for America's Pharmacists. Pharmacotherapy, 2004; 24(9):1241-1294.

Hutchison LC. Antimicrobial Therapy and Resistance in Dermatologic Pathogens of the Elderly. Dermatologic Clinics of North America, 2004; 22:63-71.

Hutchison LC, Norman, RA. Antibiotics and resistance in dermatology: focus on treating the elderly. Dermatologic Therapy, 2003; 16:206-13.

Hutchison LC, Liem PH. Mirtazapine and Bone Marrow Suppression. J Amer Ger Soc, 2001; 49:1129-30. (Letter)

Bradley CL, Hutchison LC, Murdock JA, Rawlins LJ, Shoppach DR. Costs and effects of switching H-2 receptor antagonists. Veterans Health Systems Journal, 1997; pp 25-28.

Santiago ME, Rickman HS, Hutchison LC. Training and Credentialing for Pharmacists in an Anticoagulation Clinic. Federal Practitioner, 1997; September: 35-36, 38 & 44.

Hutchison LC, Wolfe JJ, Padilla CB, Forrester CW. Clinical privileges for pharmacists. Am J Hosp Pharm, 1992; 49:1422-4.

Hutchison LC. Pharmacists: Qualified reviewers. Hosp Physician, 1988; 24:13. (Letter)

Johnson DF and Hutchison LC. Drug approvals. VA Practitioner, 1987; 4:15-16

#### Non-refereed

Aging Arkansas, RX News Column Contributor, 2009-present

Mooney L & Hutchison LC. Swine flu: what you need to know. October 2009

Smith CL & Hutchison LC. Using acetaminophen safely. December 2009

Arkansas Geriatric Education Center Vision Newsletter Column Contributor, 2003-present

Mooney L & Hutchison LC. H1N1 Flu and Elderly Patients, October 2009

Williamson, J & Hutchison LC. A Comparison of clopidogrel to a fixed combination of aspirin and Extended-release dipyridamole in stroke patients: The ProFESS trial. July 2009

- Maris J & Hutchison LC. Statin Use and Dementia, April 2009  
Pruett A & Hutchison LC. Benzodiazepine Withdrawal Syndrome. January 2009  
Hayes EB & Hutchison LC. Serotonin Syndrome in the Elderly, October 2008  
Boeckmann S & Hutchison LC. Once Yearly Treatment Option for Osteoporosis, July 2008  
Dickson H & Hutchison LC. New Vaccine to Prevent Shingles in the Elderly, January 2008  
Meacham JK & Hutchison LC. Rasagiline: New Treatment for Parkinson's Disease, Oct 2007  
O'Brien C & Hutchison LC. New Fish Oil Preparation for Elevated Triglycerides, July 2006  
Green S & Hutchison LC. Eszopiclone: A New Kind of Hypnotic, April 2006  
Wiley PY & Hutchison LC. The Lidocaine Patch: A Novel Approach to Post-herpetic Neuralgia,  
January 2006  
Bell S & Hutchison LC. Long-acting Insulin Determir, October, 2005  
Hensley H & Hutchison LC. Safety Concerns with COX-2 Selective NSAIDs, July 2005  
Richardson W & Hutchison LC. Duloxetine: Risks to Consider in Elderly Patients, April 2005  
Graham A & Hutchison LC. Treatment of Chronic Dry Eye, January 2005  
Boone J & Hutchison LC. Telithromycin: The First Approved Ketolide Antibiotic, October 2004  
Brantley-Findley C & Hutchison LC. Drug Therapy for Overactive Bladder, July 2004  
Hutchison LC. Drug Discount Cards, April 2004  
Hall SJ & Hutchison LC. Memantine for Moderate to Severe Alzheimer's, January 2004  
Hix M & Hutchison LC. Cholinesterase Inhibitors for Dementia, October 2003
- Generations (The Reynolds Institute on Aging Newsletter for Healthy Living), 2005-2009  
Holladay A & Hutchison LC. Hypertension and Cold Medicine. Winter 2009  
Bartrow N & Hutchison LC. Grapefruit Juice and Its Many Interactions. Summer 2008  
Ruff J & Hutchison LC. Seasonal Allergies in the Elderly. Winter 2008  
Mitchell RB & Hutchison LC. Medicare Part D: Switching Plans during "Open Season" Fall 2007  
McDowell W & Hutchison LC. Drugs and Summer Heat: What you need to know! Summer 2007  
Kremers V & Hutchison LC. Facts about the Flu. Spring 2007  
Wheeler A & Hutchison LC. G.E.T. the Right Drug Plan! Winter 2006  
Boudreaux L & Hutchison LC. Drugs that Don't Mix with Sunshine, Spring 2006  
Hutchins C & Hutchison LC. Generic or Brand-Name Medications: What are the Differences?  
Fall 2006  
Hutchison LC. The ABC's of Medication Storage, Winter 2005  
Hutchison LC. Herbal Remedies are Medications Too! Fall 2005
- Hutchison LC & Bartrow N. Grapefruit Juice and Drug Interactions. Elderfocus, January-March 2009
- Hutchison LC. Old Age: A Valid Excuse for Undertreatment? Heart Monitor, 2002; 2:2-4.
- Bradberry JC, Srnka QM, Hutchison LC. Pharmacist-assisted self-care to lower lipid levels and CHD risks. Pharm Times, 2002; 68: 50, 52, 54, 56.
- Hutchison LC. The Dangers of Mixing Medications. Lifeline, 1997; 5: 1-2.
- Hutchison LC. Drug use evaluation strategies for cholesterol lowering therapies. Fat Facts, 1994. 2:1-2.
- Hutchison, LC. Facing the Fat: Hyperlipidemia Screening and Treatment. Clinical Pharmacy Newswatch, 1995; 2:1-6.
- Carter CA, Wojciechowski NJ, Skoutakis VA and Hutchison LC. Choice of tetracycline drugs. Drug and Therapeutics Letter, 1983; 2(6):1-7

Abstracts

Enderlin CA, Harris ML, Hays NP, Hutchison LC. An innovative approach to teaching geriatric nutrition in baccalaureate nursing. UAMS Nurse Educator Conference, Little Rock, AR, June 2008

Hutchison LC, Hong SH. Risk for delirium associated with medications in nursing home residents with and without dementia. American College of Clinical Pharmacy, St. Louis, MO, October 25-29, 2006

Vanderbush RE, Johnson JA, Hutchison LC, West DS. Use of an Audience Response System in Continuing Education 107<sup>th</sup> Annual Meeting of the American Associations of Colleges of Pharmacy, San Diego, CA, July 9-12, 2006

Kajkenova O, Wei JY, Hutchison LC. Prevalence of serum creatine kinase elevation in healthy community dwelling elderly. 2006 Annual Scientific Meeting of the American Geriatrics Society, Chicago, IL, May 4, 2006

Hutchison LC, Beverly CJ and Lovett SC. Arkansas outreach program for the Medicare drug discount card. American College of Clinical Pharmacy Annual Meeting, San Francisco, CA, October 25, 2005

Hutchison LC, Jones SK, West DS. Assessment of Medication Management in the Elderly. 2<sup>nd</sup> ACCP-ESCP International Congress on Clinical Pharmacy Joint Meeting, Paris, France, April 28-30, 2004.

Johnson JL, Hutchison LC. Drug Use in Demented Elderly Nursing Home Residents: A Baseline Medication Review. ASHP Midyear Clinical Meeting, New Orleans, LA, December 4, 2001.

Hutchison LC. Mortality rates from adverse drug reactions in the United States 1981 to 1998. ACCP Annual Meeting, Tampa, FL, October 24, 2001.

Nguyen HT, Adler LM, Hutchison LC, Bradley BL. Justification and Implementation of a chart drug list with cost data in a 1500-Bed community hospital system. ASHP Midyear Clinical Meeting, Las Vegas, NV, December 4, 2000

Nguyen HT, Adler LM, Bradley BL, Hutchison LC. Justification and Implementation of an outpatient treatment program for deep vein thrombosis using enoxaparin in a 1500-bed community hospital system. ASHP Midyear Clinical Meeting, Las Vegas, NV, December 5, 2000

Fagan YM, Hutchison LC, Lloyd L, Montgomery J, Newman S. Improvement of an existing adverse drug reaction (ADR) reporting system in a community hospital. ASHP Midyear Clinical Meeting, Las Vegas, NV, December 5, 2000

Ray CB, Hutchison LC, Ha HS. Drug-use evaluation of 2b/3a inhibitors in percutaneous coronary intervention. ASHP Midyear Clinical Meeting, Orlando, FL; December 6, 1999

Neel SA, MacKinnon NJ, Hutchison LC, Hepler CD. Validation of operational definitions of preventable drug-related morbidity. International Congress on Clinical Pharmacy, Orlando, FL; April 13, 1999

MacKinnon NJ, Hepler CD, Hutchison LC, Garrett P. Developing consensus on definitions of preventable drug-related morbidity using the Delphi technique. International Congress on Clinical Pharmacy, Orlando, FL, April 13, 1999

Hutchison LC. Evaluation of ReoPro Use. ACCP Annual Meeting, Phoenix, AZ, November 11, 1997

Lumpkin AR, Hutchison LC. Impact of an interdisciplinary warfarin patient education program. ACCP Spring Practice and Research Forum, Panama City, FL , April 8, 1997

Hutchison LC, Brokovich M, Kirkham J, Vandervoort R, Edmonds K. Clinical privilege program for pharmacists in an integrated healthcare system. ASHP Midyear Clinical Meeting, December 10, 1997

Stephens L, Hutchison LC, Wingfield CL. Effect of canceling prescriptions upon hospital admission. ASHP Midyear Clinical Meeting, December 11, 1996

Bradley CL, Murdock JA, Hutchison LC, Rawlins LJ, Shoppach RD. Costs and effects of switching histamine 2 receptor antagonists. ASHP Midyear Clinical Meeting, December 11, 1996

Caldwell JS, Hutchison LC, Richardson RF. Decision to undertake a mid-career residency. ASHP Midyear Clinical Meeting, December 7, 1993

Rickman HS, Richardson RF, Lasseigne PW, Hutchison LC, Johnson DF, Forrester CW. Pharmacist intervention in choice of Angiotensin Converting Enzyme Inhibitors. ASHP Midyear Clinical Meeting, December 11, 1991

Santiago ME, Rickman HS, Hutchison LC. Training and credentialing for pharmacists in an anticoagulation clinic. ASHP Midyear Clinical Meeting, December 10, 1991

Wolfe JJ, Hutchison LC, Padilla CB, Johnson DF, Forrester CW. Clinical privileges: a peer process for certifying credentials and assigning practice responsibilities. ASHP Midyear Clinical Meeting, December 12, 1991

Hutchison LC, Johnson DF, Forrester CW. Pharmacist team approach to integrated pharmacy services. ASHP Midyear Clinical Meeting, December 8, 1988

Hutchison LC, Womack W. Polypharmacy in a Veterans Administration ambulatory care clinic, ASHP Midyear Clinical Meeting, December 7, 1987

## RESEARCH INVOLVEMENT

### Funded, Investigator Initiated

Diagnosis of Restless Legs Syndrome in Elders with Memory Disorders. NIH 2007: WBSE G1-33123-01. Consultant, *in progress*.

Adherence to medications: Older women with coronary heart disease. Co-investigator, \$20,000.

Statin-induced Muscle Symptoms in the Elderly, University of Arkansas for Medical Sciences, \$120,000. Co-investigator.

Risk for Delirium Associated with Medications in Residents with Dementia in Long-Term Care, University of Arkansas for Medical Sciences, \$25,000. Principal investigator

Evaluation of the time course of adrenal suppression and adrenal recovery after ingestion of megestrol acetate. University of Arkansas for Medical Sciences, \$27,000

Randomized, blinded study of metabolic and biochemical changes associated with mild hypothyroidism. University of Arkansas for Medical Sciences, \$50,000. Co-investigator

Arkansas Medicare Prescription Benefits Leadership in Education. University of Arkansas for Medical Sciences, \$49,427, Project director.

Assessment of Medication Management in the Cognitively Impaired Elderly, University of Arkansas for Medical Sciences, 2003-2004, \$15,000. Principal investigator

Risk Assessment involving Medications in Long-Term-Care Facilities, University of Arkansas for Medical Sciences, 2002, \$2000. Principal investigator

Drug Use in Demented Elderly Residents of Nursing Homes. 2001, \$4000. Co-investigator

Drug Therapy Risk Assessment and Management Program. Florida Hospital Premier Care and University of Florida, 1998-99. \$20,000. Co-investigator

Implementation of Pharmaceutical Care in VA Medical Centers Utilizing Managed Care Principles, \$30,000. Little Rock VA Medical Center, 1995-96. Co-investigator

The Impact of the HeartNow Program on Patient Compliance to Colestipol Therapy and Effect on Serum Cholesterol Levels, \$6250. Little Rock VA Medical Center, 1995-96. Co-investigator

The Impact of Pharmaceutical Care on Patient Outcomes: A Randomized, Parallel, Open-Label Evaluation of Veterans Affairs Patients with Chronic Obstructive Pulmonary Disease (COPD). Little Rock VA Medical Center, 1994-95. Principal investigator

The Impact of Pharmaceutical Care on Patients Outcomes: A Randomized, Parallel, Open-Label Evaluation of Veterans Affairs Hypertension Patients on Dihydropyridine Monotherapy. Little Rock VA Medical Center, 1994-95. Co-investigator

Cost Avoidance Achieved with Replacing Cefoxitin with Cefotetan, \$1500, Little Rock VA Medical Center, 1991. Principal investigator

#### Funded, Industry Initiated

Randomized Evaluation of Long term anticoagulant therapy (RE-LY) comparing the efficacy and safety of two blinded doses of dabigatran etexilate with open label warfarin for the prevention of stroke and systemic embolism in patients with non-valvular atrial fibrillation: prospective, multi-centre, parallel-group, non-inferiority trial (RE-LY). University of Arkansas for Medical Sciences. \$130,000. Co-investigator. *In progress.*

A Long-term Open-label, safety trial of pregabalin in patients with fibromyalgia. University of Arkansas for Medical Sciences. \$8,000. Co-investigator. 2005-06

A 13 Week, Randomized, Double-blind, Placebo-controlled, Monotherapy trial of Pregabalin (BID) in Patients with Fibromyalgia. University of Arkansas for Medical Sciences, 2005. \$6,000, Co-investigator.

A Randomized, Double-blind, placebo-controlled study to assess changes in physical function in elderly patients with Anemia of Chronic Disease (ACD) receiving Procrit. University of Arkansas for Medical Sciences, 2005. \$6,000, Co-investigator.

Hypertension Optimal Therapy International Study, \$19,000. Little Rock VA Medical Center. 1995. Co-principal investigator

An Open Label Study of Fluvastatin in the Treatment of Patients with Hypercholesterolemia in Clinical Practice Settings, \$7200. Little Rock VA Medical Center, 1993-94. Co-investigator

The Safety and Efficacy of Cardizem CD vs Procardia XL in Hypertensive Patients-A Post-marketing Surveillance Study, \$1850. Little Rock VA Medical Center, 1992. Co-principal investigator

Patient Risk Factors for Gram Negative Sepsis, Drug Surveillance Network, \$1825. Little Rock VA Medical Center, 1991. Principal investigator

#### Unfunded

Cross-sectional Study of Trazadone, Gabapentin or Mirtazapine for Sleep In Elderly Patients. UAMS, *in progress*. Principal investigator

Utility of an Audience Response System in Continuing Education. UAMS, 2005. Co-investigator

Patient Satisfaction and Outcomes with a Pharmacist Conducted Brown Bag Program. Florida Hospital, 1997-98. Co-investigator

Comparison of Three Vancomycin Dosing Methods in an Elderly Population. Little Rock VA Medical Center, 1990-92. Co-investigator

Clinical Pharmacy Resident Project: Double-blind Crossover Trial to Evaluate the Effect of Amitriptyline on Diabetic Peripheral Neuropathy. Memphis VA Medical Center, 1983-1984.

Pharm.D. Student Project: Prediction of Creatinine Clearance Based on Lean Body Mass: Correlation to Gentamicin Clearance in Children with Cancer. St. Jude Childrens Research Hospital, 1981-1983.

#### Submitted, Not Funded

Medication and dietary supplement Education Drives Informed Choices (MEDIC), Arkansas Tobacco Settlement Commission, Project Director

Identifying Medicare Beneficiaries in Arkansas Eligible for Extra Help with Medicare Part D, National Council on Aging and The Access to Benefits Coalition (ABC), Project Director

Investigating the Relationship between Health Literacy and Medication Belief Processing in the Elderly, NIH, Co-investigator

Patient Valuation of Resource Variation Required for Quality MTM Services, AACP, 2006. Co-investigator.

Factors Associated with the Use of Dietary Supplements by Patients with Alzheimer's Disease. UAMS Memory Research Center, 2006. Principal investigator.

Technology-Enhanced Educational Program to Reduce Ineffective Use of Antipsychotic Medications in Nursing Home Residents with Dementia. CERT, 2005. Principal investigator.

Developing a Community Pharmacy Practice Model for Hypertension Medication Therapy Management Services to Improve Medication Adherence and Blood Pressure Control. UAMS, 2005 \$10,000. Co-investigator

Assessment of Medication Management in the Elderly, NIH, 2004, \$50,000. Principal investigator

Raloxifene in women with Alzheimer's Dementia: Randomized, controlled trial. NIH, 2003 \$1,463,220.  
Co-investigator

Building Interdisciplinary Geriatric Health Care, John A Hartford Foundation, 2002. \$200,000 over 2  
years. Co-investigator.

Risk Assessment for Medications in Long Term Care Facilities, UAMS Medical Endowment Research  
Foundation 2001, \$10,000.

Collaborative Approach to Patient Safety, University of Arkansas for Medical Sciences, 2001. \$400,000  
per year. Co-investigator.

## PRESENTATIONS

### Local

Medications and Constipation. UAMS Geriatric Grand Rounds, April 22, 2009

Optimizing Medication Use in the Elderly Patient. St. Bernard's Hospital and the Northeast Center on  
Aging, Jonesboro, AR, August 19, 2008

Pharmacy Update: New Drugs and Vaccines. UAMS Geriatric Grand Rounds, October 24, 2007

Guilty Until Proven Innocent: Medication Effects on Cognition. UAMS Family Practice Noon Conference,  
March 15, 2005

The New Medicare Prescription Drug Benefit: Complexities of Coverage. Geriatric Grand Rounds,  
UAMS/Donald W. Reynolds Center on Aging, April 14, 2004

The New Medicare Prescription Drug Benefit: Complexities of Coverage. Health Research, Policy and  
Health Promotion Conference, UAMS/Arkansas Center for Health Improvement /Arkansas Dept of  
Health, April 6, 2004

Pharmacy and Aging, UAMS Family Practice Noon Conference, March 3, 2003

Adherence and Compliance in the Elderly. Department of Geriatrics Grand Rounds, UAMS/Donald W.  
Reynolds Center on Aging, Little Rock, AR, February 13, 2002

Treating Nicotine Addiction: The Changing Role of the Pharmacist. Moderator, Walt Disney Memorial  
Cancer Institute at Florida Hospital Seminar, Orlando, FL, January 27, 1997

Stand-Off of the Statins, VA Pharmacy Meeting, Chicago, Ill, June 5, 1996

Planned Changes in DUE Requirements from JCAHO, Central Arkansas Hospital Pharmacy Managers  
Association, October 17, 1990

### State

Optimizing Medication Use in Elderly Patients. Home Care Association of Arkansas Annual Meeting, Hot  
Springs, AR, June 4, 2009

Statins in the Elderly: How Safe and Effective are They? Geriatric Medicine Update: Cardiovascular Disease in Older Adults, Arkansas Geriatric Education Center, Little Rock, AR, February 21, 2009

Medications and Constipation. 7th Annual Symposium: Caring for Older Adults. Texarkana Regional Center on Aging, Texarkana, AR, February 7, 2009

Optimizing Medication Use in the Elderly Patient. Rural Hospital Program, Little Rock, AR, September 23, 2008

Optimizing Medication Use in the Elderly Patient. Arkansas Pharmacists Association 126<sup>th</sup> Annual Convention, Ridgedale, MO, June 12, 2008

Geriatric Pharmacotherapy, Arkansas Geriatric Education for Mentors and Scholars Summer Institute, Little Rock, AR, May 13, 2008

Drug Therapy for Memory Disorders: From the Laboratory to the Clinic. 2007 Arkansas Consultant Pharmacists Seminar, Little Rock, AR, October 7, 2007

Pharmacy Update: New Drugs and Vaccines. 9<sup>th</sup> Annual Geriatrics and Long-Term Care Update, Arkansas Medical Directors Association, Little Rock, Arkansas, October 5, 2007

Managing Polypharmacy in the Elderly. 8<sup>th</sup> Annual Geriatrics and Long-Term Care Update, Arkansas Medical Directors Association, Little Rock, Arkansas, October 5, 2006

Geriatric Pharmacotherapy, Arkansas Geriatric Education for Mentors and Scholars Summer Institute, June 6, 2006, Little Rock, AR

New Antibiotics and Drug Resistance, Best Practices in the Continuum of Care: Management of Infectious Disease. Arkansas Geriatric Education Center, Little Rock, Arkansas, April 26, 2006

Gero-pharmacology. 4th Annual Symposium: Caring for Older Adults. Texarkana Regional Center on Aging, Texarkana, AR, January 28, 2006

Legislative Changes Relative to LTC: Medicare Part D. Geriatrics and Long-Term Care: 7th Annual Update and Intensive Review, Arkansas Medical Directors Association, Little Rock, AR, October 1, 2005

Gero-pharmacology. 3rd Annual Symposium: Caring for Older Adults. Texarkana Regional Center on Aging, Texarkana, AR, January 29, 2005

The New Medicare Prescription Drug Benefit: Complexities of Coverage. 24<sup>th</sup> Annual Arkansas Aging Conference, Hot Springs, AR, November 3, 2004

Medications and Risk, Geriatrics and Long Term Care 6<sup>th</sup> Annual Update and Intensive Review, Little Rock, AR, October 2, 2004

Medicare Prescription Drug Provisions. Governor's Advisory Council on Aging, North Little Rock, AR, June 10, 2004

Guilty Until Proven Innocent: Drug Effects on Cognition. Best Practices in the Continuum of Care, Arkansas Geriatric Education Center, Little Rock, AR, April 21, 2004

Projected Impact of Medicare Prescription Drug Legislation. Health Insurance Policy Roundtable, Little Rock, AR, January 16, 2004

The Pharmacology of Aging. 23<sup>rd</sup> Annual Arkansas Aging Conference, Little Rock, AR, October 15, 2003

Geriatric Pharmacology, OTCs and Herbals, Arkansas Geriatric Education for Mentors and Scholars Summer Faculty Institute, June 21, 2002.

Drug Use and Misuse in the Elderly, Moderator and Speaker, Arkansas Geriatric Education Center Videoteleconference, Little Rock, AR, April 29, 2002.

Adverse Reaction to Psychotropic Drugs, Arkansas Nursing Home Nurses Association, Little Rock, AR, April 19, 2002

Adverse Outcomes of Psychotropic Medications, 2001 Consultant Pharmacist Seminar, Little Rock, AR, October 14, 2001

Cholesterol Education Program for Nurses (American Heart Association): Treatment Pharmacologic, Little Rock, AR, May 16, 1991, May 8, 1992 & June 18, 1993

New Drug Update. Arkansas Association of Hospital Pharmacists Fall Seminar, September 29, 1990

Infection Control and Nutrition Support, Arkansas Association of Practitioners in Infection Control, Hot Springs, AR, March, 1989

Expert Witness, Chelation Therapy, Arkansas State Medical Board Meeting, August, 1988

Arkansas State Nursing Association Council on Geriatrics: The Challenge of Incontinence, Panel Discussion, Holiday Inn, Little Rock, October 1985

### Regional

The Transition to Medicare Part D. 28<sup>th</sup> Annual Family Practice Intensive Review Course, June 4, 2006, Little Rock, AR

Drug Therapy Interventions. From Science to Interventions: Understanding Memory Disorders in Aging, Garrison Institute on Aging, Texas Tech University, Lubbock, TX, March 31, 2006

Adverse Outcomes of Psychotropic Medications. 23<sup>rd</sup> Annual Family Practice Intensive Review, Little Rock, AR, May 31, 2001

Workshop on the Management of Lipid Disorders. National Pharmacy Cholesterol Council Lipid Managers Training Program, Seattle, WA, July 11, 1998; Des Moines, IA, June 27-28, 1999; Jackson, MS, August 5, 1999;

Pharmaceutical Care for Patients with Dyslipidemias. A Certificate Training Program for Pharmacists from American Pharmacists Association:

Implementing the Pharmaceutical Care Plan; Documenting and Communicating Patient Care Activities; Review of Self-Study Concepts. Washington, DC, June 21, 1997; Braintree, MA, October 18, 1997; and Pasadena, CA, September 22-23, 2000.

Train The Trainer: Techniques for Educating Pharmacists on Cholesterol Lowering Therapy, Regional Pharmacy Cholesterol Council, Memphis, September 11, 1993

Managing Cholesterol Lowering Therapy Through Drug Use Evaluation, Regional Pharmacy Cholesterol Council, Memphis, March 28, 1993

New Drug Update. Southeastern Society of Hospital Pharmacists/Arkansas Association of Hospital Pharmacists Joint Fall Seminar, September 30, 1989

Manufacturing with Recombinant DNA, Regional Meeting, Association of Pharmacy Technicians, Little Rock, AR, April 23, 1988

### National

Hyperlipidemia. Life Down the Cardiovascular Lane: Balancing Evidence with Quality of Life in Older Adults. Midyear Clinical Meeting, American Society of Health-System Pharmacists, Las Vegas, NV, December 10, 2009

Statins in the Elderly: How Safe and Effective Are They? Endocrinology PRN Focus Session. Annual Meeting, American College of Clinical Pharmacists, Anaheim, CA, October 20, 2009

Task Force on Competencies, Credentialing and Privileging. Adventist Health Systems Network Meeting, December 6, 1998, Las Vegas, NV

Basic Skills in Pharmaceutical Care, Workshop Facilitator, University of Tennessee/VA Conference, January & February 1996

Upper GI Medications Workshop Facilitator, Medication Management in the Elderly, March 10-11, 1994

Clinical Privileges for Pharmacists, Geriatrics Pharmacy Traineeship, LR VAMC, October 20, 1993 and October 19, 1994

Traditional Techniques for Drug Use Evaluation; Facilitator; National Drug Use Evaluation Training Course, St. Louis Continuing Education Center, St. Louis, MO, March 10, 1993

Documenting Drug Use Evaluation Activities, Drug Use Evaluation National Training Conference. Chicago, Illinois, September 18-20, 1990

### International

Brazil - USA Hospital Pharmacy Seminar: Co-coordinator with The Virtual University, Altamonte Springs, FL February, 1998, August, 1998. The Evolution of Hospital Pharmacy, February 2, 1998, August 10, 1998, Orlando, FL

## **TEACHING EXPERIENCE**

### University Based

#### Preceptor:

- LR VAMC: Internal medicine (pharmacy students); Clinical pharmacology (medical students)
- Florida Hospital: Pharmacy administration (pharmacy students)
- UAMS: Direct patient care-acute/Geriatric Pharmacy (pharmacy students and residents)

Course Coordinator:

Contemporary Issues in Pharmacy Practice, 2002, 2003 (pharmacy students)  
Pharmacy Practice I, 2004 (pharmacy students)  
Pharmaceutical Policy in the Healthcare System, 2004, 2005, 2006 (pharmacy, public health & graduate students-elective)  
Geriatric Therapeutics (pharmacy student elective), 2007, 2008, 2009

Course Co-coordinator: Geriatric Therapeutics, (pharmacy student elective), 2001, 2002

Mentor:

Jennifer Johnson, American Federation for Aging Research/ Merck Scholarship in Geriatric Pharmacology for Medical and Pharmacy Students, 2001  
Sarah Cochran, College of Pharmacy Summer Student Research Fellowship, 2008

Medical Student Lectures-Geriatric Lecture Series:

Geriatric Pharmacology, UAMS Center on Aging, 10/00, 3/01, 4/01, 7/01, 11/01, 12/01, 3/02, 4/02, 8/02, 3/03, 5/03, 11/03, 7/04, 3/05, 8/05, 11/05  
Web CT Geriatric Medicine Rotation Curriculum: Pharmacology Lecture-co-presenter

Family Practice Residency Orientation: Pharmacotherapy Considerations in the Elderly, UAMS, 12/01

Occupational Therapist Lecture:

Psychotropic Medication and Abnormal Involuntary Movements, University of Central Arkansas, 2/90, 1/91

Gerontology Lecture:

Interdisciplinary Health Care of the Elderly: Pharmacy, UALR/COA 2/24/04  
Geriatric Nutrition, Graduate School, UAMS, 10/04, 10/05, 10/06, 11/07, 10/08, 10/09

Pharm.D. Class Lectures:

Skin Infections: Pathophysiology, Diagnosis and Management, UT, 9/83  
Obstructive Nephropathy, UT, 11/83  
Calcium Balance and Parathyroid Hormone Disorders, UT, 4/84  
Drug Use Evaluation and Clinical Indicators, UAMS, 5/92  
Cardiovascular Disease in Aging, UAMS 3/01, 1/02  
Anemia in the Elderly, UAMS, 5/01, 4/02  
Continuous Quality Improvement, UAMS 3/02, 3/03, 1/04, 1/05, 2/06  
Renal Drug Dosing in the Elderly, UAMS 3/02  
Healthy People 2010, UAMS 9/02, 9/03, 1/04, 1/05, 11/05, 11/06, 11/07, 11/08, 11/09  
Health Care Disparities, UAMS 9/02, 9/03, 1/04, 2/05, 11/05, 11/06, 11/07, 11/08, 11/09  
Conflict of Interest, UAMS 11/02, 10/03  
Pharmaceutical Care, UAMS, 10/03, 2/04, 2/05, 12/05, 12/06, 12/07, 11/08, 11/09  
Disease State Management, UAMS 10/03, 2/04, 2/05, 12/05, 12/06, 12/07  
Health Promotion and Disease Prevention, UAMS, 2/05, 12/05, 11/06, 11/07, 11/08, 11/09  
Applied Pharmacokinetics: Geriatric Considerations, UAMS, 3/04, 12/04, 12/05, 12/06, 11/07, 11/08  
Applied Pharmacokinetics: Phenytoin Dosing, UAMS, 11/04, 11/05  
Geriatric Pharmacotherapy, UAMS, 3/05, 3/07, 2/08, 3/09  
Alzheimer's Dementia, UAMS, 3/05, 3/07, 2/08, 3/09  
Parkinson's Disease, UAMS, 3/05, 3/07, 2/08, 3/09  
Epilepsy & Status Epilepticus, UAMS, 3/05, 2/06  
Insomnia, UAMS, 1/08, 3/09

Nursing School Lectures:

- The Pharmacology of Aging, Family Practice Nurse Practitioner Program, 9/06
- The Pharmacology of Aging, Geriatric Practice Nurse Practitioner Program, 9/07, 9/09
- The Pharmacology of Aging, Master's Program in Psychiatric Nursing Program, 6/09

Staff Development/Inservices

Family/Internal Medicine Staff Conferences:

- Pharmacokinetics of Anticonvulsant Agents, St. Francis Hospital, Memphis, 5/83
- Dermatologic Dosage Forms, LR VAMC, 7/85
- Acyclovir Update, Primary Care Clinic, LR VAMC, 9/91
- Polypharmacy and the Non-compliant Patient, Case Conference, LR VAMC, 10/92
- New Drug Update, Hospital Based Home Care Staff, LR VAMC, 7/94
- Cost Containment Strategies, Ambulatory Care Staff, LR VAMC, 1/95
- Restricted Drugs, Ambulatory Care Staff, LR VAMC, 6/95

Psychiatry Staff Conference: Pharmacy Quality Assurance Program, LR VAMC, 9/88

Dental Staff Conference: Drug Interactions, LR VAMC, 5/88

Medicine Team Lectures:

- Aminoglycoside Therapy and Pharmacokinetic Monitoring,  
Memphis VAMC, 10/83, 11/83; LR VAMC, 3/86, 1/87
- Theophylline Therapy, Memphis VAMC, 10/83
- Anti-arrhythmic Agents: Classification, Pharmacology and Use,  
UT Hospital, 8/82, Memphis VAMC, 10/83
- Penicillins: Spectrum of Activity and Therapeutic Use, Memphis VAMC, 11/83
- Nitrate Dosage Forms: Are They Equivalent? LR VAMC, 11/84
- Zolpidem, LR VAMC, 5/94
- Use of Micromedex, LR VAMC, 10/94
- Antibiotic Overview, LR VAMC, 1/95
- Phenytoin and Folate Interaction, LR VAMC, 3/95
- New Drug Update, LR VAMC, 4/95, 2/96

Pharmacy Grand Rounds:

- Cryptococcal Bone Disease, LR VAMC, 4/17/91
- Cost Effectiveness of Cholesterol Lowering Therapy, LR VAMC, 4/22/92
- Polypharmacy and the Noncompliant Patient, LR VAMC, 8/26/92
- Hypertension Optimal Therapy International Study, LR VAMC, 8/24/94
- Pheochromocytoma, LR VAMC, 10/11/95
- Stand-Off of the Statins, LR VAMC, 8/21/96
- A Day in the Life of a Pharmacist in Cuba, 5/1/02

Pharmacist Mini-Courses:

- Aminoglycoside Pharmacokinetics, LR VAMC, 5/85, 11/85, 5/86, 4/87, 8/88
- Nutritional Support, LR VAMC, 3/86, 9/87
- Drug Information Techniques, LR VAMC, 7/86
- Patient Education, LR VAMC, 2/87, 3/88
- Geriatrics Lecture Series, LR VAMC, 6/87
- Psychopharmacy, LR VAMC, 3/89
- Basic Pharmacokinetics Traineeship, LR VAMC, 3/90, 8/90, 8/91, 7/92, 8/93, 8/94, 7/95, 7/96,  
8/97
- Biostatistics, LR VAMC, 1/91

Research Study Design, LR VAMC, 6/92  
Ambulatory Care Traineeship, LR VAMC, 5/93  
Coumadin Consult Service, Florida Hospital, 1/99

Pharmacist Certificate Program Lecture:

The Intravenous Admixture Service at the Memphis Veterans Administration Medical Center,  
Memphis VAMC, 6/83

Pharmacist Continuing Education:

Preventing Influenza in the Geriatric Population, Arkansas Pharmacists Association, 6/13/03  
Effective Use of ACE Inhibitors in the Elderly, Arkansas Pharmacists Association, 6/13/03  
Case Studies in Geriatric Pharmacotherapy, UAMS College of Pharmacy Vacation CE, 9/14/03  
Alzheimer's Disease, UAMS College of Pharmacy Vacation CE, 9/14/03  
Alzheimer's Disease, UAMS College of Pharmacy Fayetteville AHEC CE, 10/19/03  
Alzheimer's Disease Update, 2003 Consultant Pharmacist Seminar, 11/9/03  
Effective Use of ACE Inhibitors in the Elderly, 2003 Consultant Pharmacist Seminar, 11/9/03  
Guilty Until Proven Innocent: Drug Effects on Cognition, Golden Certificate Seminar, 9/30/04  
Guilty Until Proven Innocent: Drug Effects on Cognition, 2004 Consultant Pharmacist Seminar,  
10/3/04  
The Latest on Treatment of Parkinson's Disease. Learn at Noon, UAMS College of Pharmacy,  
5/3/05  
Medication & Risk, 2005 Summer CE, UAMS College of Pharmacy, 8/12/05, Destin, FL  
Cognitive Effects of Medications, 2005 Summer CE, UAMS College of Pharmacy, 8/12/05,  
Destin, FL  
The Transition to Medicare Part D. 2005 Consultant Pharmacist Seminar, APA Academy of  
Consultant Pharmacists, 10/2/05  
Transition to Medicare Part D. Learn at Noon, UAMS College of Pharmacy, 10/4/05  
Drug Therapies for Maintaining Memory, Health.edu, DVD #70106, Texas Tech University Health  
Sciences Center, Lubbock, TX, 6/1/06  
Managing Polypharmacy in the Elderly, Learn at Noon, UAMS College of Pharmacy 9/6/06  
Drug Therapy for Memory Disorders: From the Laboratory to the Clinic. Arkansas Consultant  
Pharmacists Seminar, 10/07/07  
Thinking Wrinkles: Pharmacotherapy of Alzheimers Disease and Related Dementias. UAMS  
College of Pharmacy Continuing Education Program. Little Rock, AR, September 7, 2008

Pharmacy Inservices:

Oral Anticoagulation with Warfarin, UT Gailor Clinic, 4/83  
Oral Communication Skills: A Workshop for the Hospital Pharmacist, LR VAMC, 10/84  
Patient Medication History, LR VAMC, 3/85  
Drug Interactions Update, LR VAMC, 9/85  
Use of the Pharmacokinetic Slide Rule, LR VAMC, 4/86, 5/86  
Nonsteroidal Anti-inflammatory Agents, LR VAMC, 8/86  
Use of Narcotics, LR VAMC, 11/86  
New Drug Update, LR VAMC, 6/87, 4/88, 6/89, 4/90, 1/92, 2/93, 2/94, 4/95, 2/96  
Manufacturing with Recombinant DNA, LR VAMC, 6/88  
Diuretics and Cardiovascular Disease, LR VAMC, 1/90  
Theophylline Use and Dosing, Waco VAMC, 9/90  
Biologic Response Modifiers, LR VAMC, 4/91  
The National Cholesterol Education Program, LR VAMC, 9/91  
Creating and Managing Change, LR VAMC, 9/92  
JNC-V Guidelines, LR VAMC, 6/93  
Quality Improvement Teams, Florida Hospital, 12/96  
Cerebyx: Therapeutic Role in Treatment, Florida Hospital, 3/97

IV to PO Switch, Florida Hospital, 4/99  
Public Health and Pharmacy, Central Arkansas VHS, 1/04, 12/04

Nursing Home Care Unit Orientation Lecture:  
Treatment of Spasticity in Spinal Cord Injury, Memphis VAMC, 1/84

Pharmacy Technician Inservice:  
Medication Errors, LR VAMC 6/90  
Pharmacology Module, LR VAMC Technician Training Program, Fall 1993

Dietary Svc. Lecture:  
Cephalosporin Soup 4/9/90

Nursing Inservices:  
Cyclosporin A, UT Hospital, 7/82  
Anti-arrhythmic Agents, UT Hospital 8/82  
How to use the AHFS Drug Information, LR VAMC 9/84  
Anti-tubercular Agents, LR VAMC, 3/85  
Pulmonary Drugs, LR VAMC, 11/84  
Pulmonary Drugs, Little Rock Critical Care Program,  
9/85, 2/86, 9/86, 2/87, 10/87, 2/88, 10/88, 2/89, 10/89  
Nursing Orientation Program, LR VAMC, Monthly, 8/86-7/88  
New Drug Update, LR VAMC, 4/93, 12/93, 10/94  
Antibiotic Review, LR VAMC, 1/95, 5/95  
Clinical Use of Diuretics, Florida Hospital, 4/97  
Pharmacology, Arkansas Dept of Health Home Health Nurses, 10/03  
Geriatric Pharmacotherapy, AR-GEMS Summer Institute, 5/24/05  
Preceptor, UAMS Southern Gerontological Nursing Certificate Program, 5/22-27/05  
The Pharmacology of Aging,  
Searcy, AR, NE Center on Aging, 3/2/07  
Jonesboro, AR, NE Center on Aging 3/20/07  
Wynne, AR, NE Center on Aging 4/13/07  
North Little Rock, AR, Baptist 3/11/09  
Little Rock, AR, Baptist Hospice 10/14/09

## **SERVICE ACTIVITIES**

St. Mark's Baptist Church Health Fair, June 20, 2009

Judge, CAVHS Pharmacy Residents Research Conference, Little Rock, AR. June 12, 2009

Clinical Pharmacist Consultant, Money Follows the Person, Arkansas Dept of Human Services division of Aging and Adult Services. October 2008-present

Safe Use of Over-the-counter Medications and Herbals, Parkway Village, September 18, 2007

Open Season Medicare Part D, North Little Rock Senior Housing Authority, November 2006

Project Alert, North Little Rock Senior Housing Authority, June-July 2006

Interviews, Arkansas Democrat-Gazette, Medicare Part D Benefit, 2005

Live interview, Channel 11 KTHV, Medicare Part D Benefit, 2005

Taped interview, Channel 11 KTHV, Medicare Part D Benefit, 2005

Sister Study Breast Cancer Research recruitment coordination, 2005

Medicare Drug Discount Card Training Session Presentations, Senior Medicare Patrol and NLR Housing Authority 2004-2005

Taped interviews, KUAR-FM public radio, Medicare Prescription Drug Discount Card, 2004

Member, National Pharmacy Cholesterol/Cardiovascular Council, 1991-2004

Administrator of ACPE approved provider program, 1997-2000

Consultant, VA Pharmaceutical Care Project, University of Tennessee College of Pharmacy 1996-1997

Member, VA Central Office Technical Advisory Groups-Drug Monographs and Treatment Guidelines, 1994-96

Member, VA/The Pharmacia & Upjohn Research Steering Committee, 1995-1996

Participant, American Society of Hospital Pharmacists Residency Preceptors Conference, Atlanta, Georgia, March, 1989. Published in Proceedings of the 1989 National Residency Preceptors Conference. American Journal of Hospital Pharmacy, 1990; 47:85-126

Invited Participant, Veterans Administration Consensus Conference: The Future of VA Pharmacy Services, Olive Branch, MS, 3/89

Member, Federal Womens Program Committee, LR VAMC, 10/88-9/91

Education Chairman, Arkansas Chapter, Association of Pharmacy Technicians, 1987-88

#### Committee Work

Academic: Internal Review Committee, UAMS CON for R01, Arkansas Bioterrorism Curriculum Advisory Council, Arkansas Research Committee (UAMS Dept Family Practice), DrPH Development Committee for the College of Public Health, College of Pharmacy Assessment Committee (Chair), UAMS Donald W Reynolds Center on Aging Education Committee, UAMS Geriatrics Grand Rounds Committee, College of Pharmacy Incentive Committee; ACPE Self-Study Committee, Patient Portal Committee, Student Research Committee, UAMS IOA Community Outreach Committee (Co-chair)

Florida Hospital: AHS Corporate Pharmacy, AHS Corporate Physicians, Quality Improvement Coordinating, Institutional Review Board, Pharmacy and Therapeutics, Drug Usage Evaluation

VA Medical Center: Research and Development, Pharmacy and Therapeutics, Drug Usage Evaluation, Hospital Performance and Quality Improvement, Blood Usage, Veterans Integrated Services Network 16 Formulary Committee

#### Reviewer/Editorial Boards

Editorial Board, Pharmacotherapy Self-Assessment Program VII, 2009-present

Editorial Board, Pharmacotherapy Self-Assessment Program VI, 2005-2009

Reviewer, American Journal Geriatric Pharmacotherapy, 2006

Reviewer, Annals of Pharmacotherapy, 1996-present Guest Consultant Editor, Geriatric Therapeutics  
edition, Journal of Pharmacy Practice, February, 2007

Editorial Advisory Board, Encyclopedia of Clinical Pharmacy, 2003

Reviewer, American Society of Hospital Pharmacists Midyear Clinical Meeting Poster Presentations,  
1988, 1991, 1992, 1995, 1997

### PROFESSIONAL ORGANIZATIONS

#### *Current:*

American College of Clinical Pharmacy, 1988-present;  
Regional Recruiter, 1990-92  
Constitution and By-laws Committee, 1993, 1994, 1997  
Public and Professional Affairs Committee, 2002, 2003  
Chair-elect, Geriatric Practice and Research Network, 2005-06  
Chair, Geriatric Practice and Research Network, 2006-2007  
ACCP Foundation Team Captain, 2008  
American Society of Healthsystem Pharmacists, 1983-present  
American Pharmacists Association, 1997-present  
American Association of Colleges of Pharmacy, 1999-present  
American Society of Consultant Pharmacists, 2005-present  
Faculty liaison, UAMS, 2006-present  
Arkansas Pharmacist Association 2006-present  
American Geriatrics Society, 2007-present  
Arkansas Geriatrics Society, 2008-present (charter member)

#### *Past:*

American Public Health Association, 2000-2002  
American Association of Diabetes Educators, 1999-2000  
Southeastern Society of Hospital Pharmacists, 1989-92  
Florida Society of Healthsystem Pharmacists, 1998-2000  
Tennessee Society of Hospital Pharmacists, 1984-92  
Arkansas Association of Hospital Pharmacists, 1990-96  
Mid-South College of Clinical Pharmacy, 1990-96;  
Membership Committee 1990, 1991  
Secretary/Treasurer 1992-93  
President-elect, 1994  
President, 1995  
Federal Pharmacist Association, Arkansas Chapter  
Pharmacy Technician Educators Council  
Rho Chi Pharmaceutical Honor Society  
Lambda Kappa Sigma Pharmacy Fraternity  
Gamma Beta Phi National Honor Society