

CURRICULUM VITAE

THOMAS SCOTT WARMACK, PHARM. D., BCPS

PERSONAL

Business Address: University of Arkansas for Medical Sciences
College of Pharmacy
4301 West Markham St., Slot 522
Little Rock, Arkansas 72205-7199
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E-mail: Twarmack@uams.edu

Licensure: Arkansas #08762

National Provider Identifier 1447342365

Certification: Board Certified Pharmacotherapy Specialist (BCPS)
Certified December 2008

POST-GRADUATE EXPERIENCE

Pharmacy Practice Residency: University Hospital
University of Arkansas for Medical Sciences
Little Rock, Arkansas
June 1999

EDUCATION

Doctor of Pharmacy: University of Arkansas for Medical Sciences,
College of Pharmacy
Little Rock, Arkansas
May 1998

Pre-Pharmacy: Harding University
Searcy, Arkansas
Aug 1992-May 1994
Chemistry Major

ACADEMIC APPOINTMENT

Associate Professor of Pharmacy Practice, College of Pharmacy, University of Arkansas
for Medical Sciences, Little Rock, Arkansas
July 2008 – Present

Assistant Professor of Pharmacy Practice, College of Pharmacy, University of Arkansas
for Medical Sciences, Little Rock, Arkansas
August 1999 – June 2008

TEACHING

College of Pharmacy: Current Participation

PHPR 5362 Drug-induced Disease. **Coordinator** (2006 – Present). **Lecturer** (2006-Present). Lecture hours: 2007 - 2008 (14 hours), 2006 (12 hours) **Facilitator** Case Presentations (4 hours)

Epidemiology and Impact of Drug Induced Diseases; Drug Induced Allergic/Immunologic Diseases; Drug Electrolyte Induced Disorders; Drug Induced Gastrointestinal Diseases; Drug Induced Hematological Disorders; Drug Induced Pulmonary Diseases; Drug Induced Renal Diseases

PHPR 4625 Therapeutics I. **Coordinator** (2007 – Present). **Lecturer** (1999 – present). Lecture hours: 2009-2010 (10 hours) 2008-2009 (12 hours) 2007-2008 (13 hours), 2006-2007 (12 hours), 2005-2006 (14 hours), 2004-2005 (10 hours), 2003-2004 (9 hours), 2002-2003 (9 hours), 2001-2002 (9 hours), 2000-2001 (7 hours), 1999-2000 (7 hours). *Electrolyte Disorders: Water Balance; Electrolyte Disorders: Hyponatremia; Electrolyte Disorders: Hypernatremia; Electrolyte Disorders: Potassium; Electrolyte Disorders: Magnesium; Alcohol Withdrawal; Alcoholic Liver Disease; Inflammatory Bowel: Crohn's Disease; Inflammatory Bowel: Ulcerative Colitis; Measurement of Renal Function; Drug Administration in Renal Insufficiency; Chronic Kidney Disease: Progression-Modifying Therapies; Complications of Chronic Kidney Disease; Acute Renal Failure*

PhPr 5635 Therapeutics III. **Lecturer** (2005 – present). Lecture hours: (3 hours). *Infectious Disease: Urinary Tract Infections; Infectious Disease: Lower Respiratory Infections; Infectious Disease: Skin and Soft Tissue Infections.*

PHPR 5642 Evidence-Based Medicine and Pharmacoeconomics. **Lecturer** (2008-present). *Observational Studies.*

PHPR 6614 Adult Medicine Rotation, General Medicine. **Preceptor**, 4-week practical rotations in adult inpatient medicine at Central Arkansas Veterans Healthcare System. 2008-2009 (15 students) 2007-2008 (12 students), 2006-2007 (12 students), 2005-2006 (10 students), 2004-2005 (12 students), 2003-2004 (8 students), 2002-2003 (10 students), 2001-2002 (6 students), 1999-2000 (2 students)

PHPR 3423 Pharmacy Practice I. **Facilitator** (small groups)

Preceptor, ASHP Accredited Pharmacy Practice Residency. Central Arkansas Veterans Healthcare System.

- General Medicine rotation (1999-present)
- Infectious Disease rotation (2005-present)

College of Pharmacy: Previous Participation

NTPD 6613 Adult Medicine Rotation, General Medicine. **Preceptor**, practical rotations in adult inpatient medicine at Central Arkansas Veterans Healthcare System. 2007-2008 (8 students), 2005-2006 (3 students), 2004-2005 (7 students), 2003-2004 (6 students), 2002-2003 (3 students), 2001-2002 (18 students), 2000-2001 (21 students), 1999-2000 (14 students)

PhPr 5654 Pharmacy Practice III, Physical Assessment. **Coordinator** (2005 – 2007)

PhPr 5352 Advanced Infectious Disease Therapeutics [elective]. **Lecturer**. Spring 2004 (1 hour), Spring 2003 (1 hour), Spring 2002 (1 hour), Spring 1999 (1 hour). *Tick-Borne Illness*

PhPr 5292 Diabetes Elective. **Lecturer**. Fall 2004 (1 hour) *Diabetic Foot Infections*

PHSCI 4224. Introduction to Patient Monitoring. **Lecturer**. Spring 2003 (3 hours).
Chemistry I: Na, K, Cl, CO₂; Chemistry II: BUN, Scr, Glucose; Chemistry III: Ca, Phos, Mg & Alb.

PHPR 4625. Therapeutics I Recitation Leader. Fall 1998, Spring 1999. Facilitator for weekly case discussions using problem-based learning.

Teaching Awards

Most Outstanding Faculty Award, Pharmacy Practice, 2010 Graduating Class

Most Outstanding Faculty Award, Pharmacy Practice, 2006 Graduating Class

UAMS College of Pharmacy Dean's Teaching Incentive Award, 2005

PROFESSIONAL PRACTICE EXPERIENCE

Clinical Experience

Clinical Pharmacy Specialist, Central Arkansas Veterans Healthcare System, Little Rock, Arkansas. August 1999 – Present

- Medicine – Ten months per year
- Infectious disease – 2 months per year

Coordinator, Anticoagulation Clinic, UAMS Family Medical Center, Little Rock, Arkansas. October 2004 – Present

Co-coordinator, Anticoagulation Clinic, UAMS Family Medical Center, Little Rock, Arkansas. May 2001 – October 2004

Clinical Pharmacy Specialist, Anticoagulation Clinic, University Hospital, University of Arkansas for Medical Sciences, Little Rock, Arkansas. July 1998 – May 2001

Pharmacy Practice Resident

University Hospital, University of Arkansas for Medical Sciences, Little Rock, Arkansas
July 1998 - June 1999

Formulary Experience

Member, Arkansas Blue Cross and Blue Shield Pharmacy & Therapeutics Committee, 2007 – Present

- Perform comprehensive drug reviews on a quarterly basis and make recommendations regarding preferred and non-preferred medications

Member, Evidence-based Prescription Drug Program, Medicaid Drug Review Committee, 2007

- Perform comprehensive drug class reviews on monthly basis and make recommendations for the development of a Preferred Drug List

Clinical Performance Awards

CAVHS Best Practice Award , “Development of an exemplary interdisciplinary teaching nutrition support team”. 2005

RESEARCH EXPERIENCE

Collaborative Research Projects

Co-Investigator, “Comparison of the use of proton pump inhibitors in patients with *Clostridium difficile* recurrences versus patients without recurrences”, Central Arkansas Veterans Healthcare System, 2009-2010.

Co-Investigator, “Evaluation of Vancomycin Utilization at the Central Arkansas Veterans Healthcare System”, Central Arkansas Veterans Healthcare System, 2008-2009.

Co-Investigator, “Drug Therapy in Arkansas Medicaid Beneficiaries with Metabolic Syndrome”, University of Arkansas for Medical Sciences, 2007 – 2008.

Co-Investigator, “Utility of the multiple mini-interview (MMI) in the admissions process of the College of Pharmacy”, University of Arkansas for Medical Sciences, 2007 – 2008..

Co-Investigator, “Communication skill development: OSCE assessment of lay and healthcare provider encounters”, University of Arkansas for Medical Sciences, 2006-2007.

Co-Investigator, “Retrospective Study of the Pharmacotherapy of Veterans Meeting Diagnostic Criteria for Metabolic Syndrome”, Central Arkansas Veterans Healthcare System, 2006-2007.

Co-Investigator, “Metabolic Syndrome in Participants of a Community Health Screening”, University of Arkansas for Medical Sciences, 2006-2007.

Co-Investigator, “Impact of a pharmacist-provided metabolic syndrome clinical screening and education program in employees of a public school system.” University of Arkansas for Medical Sciences, 2005-2007

Co-Investigator, “A pilot study to determine the effects of short-term thiazolidinedione treatment on vascular risk markers in type 2 diabetes patients”, University of Arkansas for Medical Sciences, 2005-present.

Co-Investigator, “Retrospective Review of Community-Acquired Pneumonia Patients Receiving Warfarin: Focusing on Changes in INR”, Central Arkansas Veterans Healthcare System and University of Arkansas for Medical Sciences, 2002.

Co-Investigator, “Concomitant use of levofloxacin and warfarin: Identifying changes in INR”, University of Arkansas for Medical Sciences, 2001.

Principal investigator, “Incidence of Imipenem Hypersensitivity Reactions in Febrile Neutropenic Cancer Patients with Self-Reported Penicillin Allergy”, University of Arkansas for Medical Sciences, 1998-1999.

GRANTS AND CONTRACTS

Funded

American Heart Association Heartland Affiliate, Heart and Stroke Community Development Fund. “Impact of a pharmacist-provided metabolic syndrome clinical screening and education program in employees of a public school system”.

Amy M. Franks (PI); July 2005-June 2006. \$5,000 (Status – Completed)

Role: Co-Investigator

Unfunded

American Heart Association Heartland Affiliate Beginning Grant-in-Aid program. “Impact of a Worksite Metabolic Syndrome Screening and Education Program on Clinical Markers and Health Behaviors”

Amy M. Franks (PI); June 2007, \$143,000

Role: Co-Investigator

American Heart Association National Research Program Scientist Development Grant program. “Impact of a Worksite Metabolic Syndrome Screening and Education Program on Clinical Markers and Health Behaviors”

Amy M. Franks (PI); June 2007, \$154,000

Role: Co-Investigator

American Association of Colleges of Pharmacy New Investigators Program for Pharmacy Faculty Grant. “Drug Therapy in Arkansas Medicaid Beneficiaries with Metabolic Syndrome”

Amy M. Franks (PI); May 2007, \$10,000

Role: Co-Investigator

American Association of Colleges of Pharmacy New Investigators Program for Pharmacy Faculty Grant. “Impact of Metabolic Syndrome Diagnosis on Drug Therapy in Arkansas Medicaid Patients”

Amy M. Franks (PI); May 2006, \$10,000

Role: Co-Investigator

PUBLICATIONS

Original Research, Peer-reviewed

McConnell SA, Penzak SR, **Warmack TS**, Anaissie EJ, Gubbins PO. Incidence of Imipenem Hypersensitivity Reactions in Febrile Neutropenic Bone Marrow Transplant Patients with a History of Penicillin Allergy. *Clinical Infectious Diseases* 2000; 31:1512-1514

Reviews and Case Reports, Peer-reviewed

Warmack TS, Estes MA, Heldenbrand SD, Franks AM. β -Adrenergic Antagonists in Hypertension: A Review of the Evidence. *Annals of Pharmacotherapy* 2009;43:2031-43

Mitchell LA, Bradsher RW, Paden TC, Malak SF, **Warmack TS**, Nazarian SM, Fitzgerald RT, Bansal D, Carrouth DA, Khan MA, Shah SV. Tularemia Induced Bilateral Optic Neuritis. *Journal of the Medical Society of Arkansas* 2006; 102:246-249

Amsden JR, **Warmack TS**, Gubbins PO. Tick Borne Bacterial, Rickettsial, Spirochetal, and Protozoal Infectious Diseases in the United States: A Comprehensive Review. *Pharmacotherapy* 2005; 25(2):191-210

Book Chapters, Peer-reviewed

Amsden JR, **Warmack TS**, Gubbins PO. Zoonoses, Book 6 - Infectious Diseases, Pharmacotherapy Self-Assessment Program (PSAP), American College of Clinical Pharmacy, 2005, Fifth Edition, 1-42

ABSTRACTS AND MEETING PRESENTATIONS

Original Work, National, Reviewed

Franks AM, **Warmack TS**, West DS. Cardiometabolic risk factor knowledge of participants in a worksite health screening. *Pharmacotherapy* 2009;29(3):36e **[Abstract 3]**. 2009 American College of Clinical Pharmacy/European Society of Clinical Pharmacy International Congress on Clinical Pharmacy. April 26, 2009. Orlando, Florida.

Franks AM, **Warmack TS**, West DS. Cardiometabolic risk factor knowledge of participants in a worksite health screening. 2009 ACCP/ESCP International Congress on Clinical Pharmacy. **[Poster]** Orlando, FL, April 24–28, 2009

Stowe CD, Flowers S, **Warmack TS**, O'Brien CE, Gardner SF. Admission Objective Structure Clinical Examination (OSCE): Multiple Mini-Interview (MMI). AACP/AFPC Annual Meeting. **[Poster]** Chicago, Illinois, July 20-21, 2008

Stowe CD, O'Brien CE, **Warmack TS**, Gardner SF. Communication skill development: OSCE assessment of lay and healthcare provider encounters. *American Journal of Pharmaceutical Education* 2007; 71 (3) Article 60. 108th Annual Meeting of the American Association of Colleges of Pharmacy **[Poster]**, Orlando, Florida, July 14-17, 2007

Franks AM, **Warmack TS**, West DS. Pharmacist-provided metabolic syndrome screening and educational program reduces prevalence of cardiometabolic risk factors **[Abstract 7E]**. *Pharmacotherapy* 2007(4):e11. American College of Clinical Pharmacy 2007 Spring Practice and Research Forum **[Poster]**. April 23, 2007. Memphis, Tennessee. *Encore presentation*

Franks AM, **Warmack TS**, West DS. Pharmacist-provided metabolic syndrome screening and educational program reduces prevalence of cardiometabolic risk factors. **[Abstract P47]** In: *Circulation* 2007; 115;214-301. 47th Annual Conference on Cardiovascular Disease Epidemiology and Prevention in association with the Council on Nutrition, Physical Activity, and Metabolism **[Poster]**, February 2007, Orlando, Florida

Granberry MC, Johnson JT, Myatt S, McAfferty R, Sabbe J, **Warmack S**, Smith ES. Comparison of evidence-based medicine knowledge between physician faculty, physician residents, and pharmaceutical industry representatives. **[Abstract 38]** In: *Pharmacotherapy* 2003 23(3):396-397.

Williams YK, **Warmack TS**, McConnell SA. Retrospective review of community-acquired pneumonia patients receiving warfarin: focusing on changes in INR. **[Poster]** ASHP Midyear Clinical Meeting, December 2002, Atlanta, GA

Thomas MK, Christensen KJ **Warmack TS**, McConnell SA. Concomitant use of levofloxacin and warfarin: Identifying changes in INR. **[Poster]** ASHP Midyear Clinical Meeting, December 2001, New Orleans, LA.

McConnell SA, **Warmack TS**, Penzak SR, Anaissie EA, Gubbins PO. Incidence of imipenem hypersensitivity reactions in febrile neutropenic bone marrow transplant patients with self-reported penicillin allergy. **[Abstract 1088-M]** In: Programs and Abstracts of the 39th Interscience Conference of Antimicrobial Agents and Chemotherapy, 26-29 September 1999, San Francisco, CA.

Original Work, Regional, Non-reviewed

Incidence of Imipenem Hypersensitivity Reactions in Febrile Neutropenic Cancer Patients with Self-Reported Penicillin Allergy. **[Presentation]** Midwest Pharmacy Residents Conference. St. Louis, Missouri, April 16, 1999

MEDIA APPEARANCES AND STUDIES CITED

"Pharmacist-Driven Outreach Lowers Metabolic Syndrome Rates"

American Heart Association Meeting Report Print Press Release, February 28, 2007
Study cited.

*Featured in multiple print and electronic health and news media outlets internationally

"Pharmacist-Driven Outreach Lowers Metabolic Syndrome Rates"

American Heart Association Video News Release, February 28, 2007
Study cited and interview; available at:

<http://www.americanheart.org/presenter.jhtml?identifier=3045715>

*Featured in multiple television and internet news media outlets nationally

"Pharmacist-Driven Outreach Lowers Metabolic Syndrome Rates"

American Heart Association Audio Podcast, February 28, 2007
Study cited and interview; available at:

<http://www.americanheart.org/presenter.jhtml?identifier=3037153>

"UAMS Pharmacists Find Simple Screenings Help Reduce Risk for Heart Disease, Diabetes"

UAMS Feature Story and Press Release, February 28, 2007
Study cited; available at:

http://www.uams.edu/update/absolutenm/templates/news_release_andrea.asp?articleid=6032&zoneid=35

"Public School Employees Benefit from College of Pharmacy Health Screenings"

UAMS Feature Story Press Release, February 16, 2006
Study cited

INVITED PRESENTATIONS

An update on *Clostridium difficile* Infection. 43rd Annual Arkansas Association of Health-System Pharmacists Fall Seminar. October 8, 2009. Little Rock, Arkansas

An update on *Clostridium difficile* Infection. Pharmacy Grand Rounds, Central Arkansas Veterans Healthcare System, Little Rock, Arkansas, September 23, 2009.

Drug-induced Hematological Disorders. Pharmacy Grand Rounds, Central Arkansas Veterans Healthcare System, Little Rock, Arkansas, August 1, 2007

Drug-induced Gastrointestinal Disorders. Pharmacy Grand Rounds, Central Arkansas Veterans Healthcare System, Little Rock, Arkansas, July 25, 2007

Diabetic Foot Infections. Pharmacy Grand Rounds, Central Arkansas Veterans Healthcare System, Little Rock, Arkansas, May 25, 2005

Sodium Disorders, Noon Conference, Department of Family and Preventive Medicine, Little Rock, Arkansas, April 20, 2004

Tick-Borne Illness. Pharmacy Grand Rounds, Central Arkansas Veterans Healthcare System, Little Rock, Arkansas, October 17, 2001

Tick-Borne Illness. Arkansas Pharmacists Association 119th Annual Convention, Hot Springs, Arkansas, June 21, 2001

PANEL DISCUSSION

Infectious Disease: Truth & Consequences. Science Café. Little Rock, Arkansas, April 22, 2008

CONTINUING EDUCATION PROGRAMS

Drug-induced Gastrointestinal Disorders. Baptist Health Medical Center, Little Rock, Arkansas, August 30, 2007

Drug-induced Hematological Disorders. Pharmacist Continuing Education Program. Sandestin, Florida, August 9, 2007

Drug-induced Gastrointestinal Disorders. Pharmacist Continuing Education Program. Sandestin, Florida, August 9, 2007

Diabetic Foot Infections. Pharmacist Continuing Education Program. Little Rock, Arkansas, November 20, 2005

Diabetic Foot Infection, Learn at Noon, Live Continuing Education Program for Pharmacists. Little Rock, Arkansas, March 4, 2003

Tick-borne Illness. Pharmacist Continuing Education Program. Sandestin, Florida, September 12, 2003

Tick-borne Illness. Pharmacist Continuing Education Program. Fort Smith, Arkansas, June 3, 2001

Tick-borne Illness. Learn at Noon, Live Continuing Education Program for Pharmacists. Little Rock, Arkansas, June 19, 2001

Antibiotic resistance in gram positive organisms. Learn at Noon, Live Continuing Education Program for Pharmacists. Little Rock, Arkansas, April 18, 2000

PROFESSIONAL APPOINTMENTS AND SERVICE

State Level

2005 – Present	SSHP Faculty Representative, Arkansas Association of Health-Systems Pharmacists
2004	Chair, Scholarship Committee, Arkansas Association of Health-Systems Pharmacists
2001	Education Coordinator for the Arkansas Association of Health-Systems Pharmacists Fall Seminar

University Level

2009 – Present	Co-Chair, Promotion & Tenure <i>ad hoc</i> Criteria Committee
2009 – Present	Member, COP <i>ad hoc</i> Special Test Taking Accommodations Committee
2005 – Present	Member, Pharmacy Residency Board, Central Arkansas Veterans Healthcare System, Little Rock, Arkansas
2004 – 2006	Delegate (College of Pharmacy), Academic Senate Council
1998 – 1999	Member, University Hospital Pharmacy and Therapeutics Committee

College Level

2003 – Present	Mentor, College of Pharmacy Mentorship Program
2005 – Present	Faculty Advisor, SSHP
2003 – Present	Faculty Advisor, Phi Delta Chi
2000 – Present	Faculty Marshall
2008 – 2009	Member, Special Test Taking Accommodations Committee
2007 – 2008	Member, Summative Exam 1 Committee <i>ad hoc</i>
2003 – 2008	Member, Admissions Committee
2000 – 2003	Member, Assessment Committee
2000 – 2001	Member, ACPE Self Study: Clinical facilities

Department Level

2005 – 2006	Member, Faculty Recruitment Committee
2001 – Present	Evaluator and Case Writer, Pharmaceutical Care Encounters Program (PCEP)
2000	Member, NTPD Therapeutics Test Question Review Committee

POST-GRADUATE AND PROFESSIONAL DEVELOPMENT

- April 2006 Teaching and Leading EBM: A Workshop for Teachers and
Champions of Evidence-Based Medicine, Duke University, Durham,
North Carolina
- 2003-2005 Teaching Scholars Program

PROFESSIONAL ORGANIZATIONS

American College of Clinical Pharmacy
American Society of Health-System Pharmacists
American Pharmacists Association
Arkansas Association of Health-System Pharmacists

OTHER HONORS / AWARDS

Phi Delta Chi Distinguished Alumnus, Beta Eta chapter, 2002

SmithKline Beecham Patient Care Award- Award for superior achievement in clinical
pharmacy. College of Pharmacy, University of Arkansas for Medical Sciences. May, 1998

COMMUNITY SERVICE /PRESENTATIONS TO PUBLIC GROUPS

Pharmacy and Research [Presentation], Sheridan High School, December, 2005

Volunteer Pharmacist. Asthma Camp. Camp Aldersgate, Little Rock, Arkansas

Tick-borne Illness [Presentation]. Sheridan Lion's Club. Sheridan, Arkansas, May, 2001

Volunteer Pharmacist, Little Rock Church Free Clinic. Little Rock, Arkansas

Volunteer Pharmacist, River City Free Clinic. North Little Rock, Arkansas