

CURRICULUM VITAE

WENDELL SCOTT AKERS, Pharm.D, Ph.D.
January 2021

I. PERSONAL INFORMATION

Residence: 5214 Wildings Blvd, College Grove, TN 37046
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One University Park Drive
Nashville, TN 37204
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II. LICENSURE AND CERTIFICATION

Pharmacy License: State of Tennessee, #C008277 (1991 - present)
State of Kentucky, #011972 (2000 - 2008)

Professional Certification: Board Certified Pharmacotherapy Specialist (1993 - 2000)
Pharmacy Preceptor, State of Kentucky (2000 - 2008)

Research Certification: Protecting Study Volunteers in Research

III. EDUCATION

1981 – 85 Karns High School, Knoxville, Tennessee

1985 – 87 Roane State Community College, Harriman, Tennessee

1987 – 91 Doctor of Pharmacy, University of Tennessee, College of Pharmacy, Memphis, Tennessee

1991 – 92 Pharmacy Practice Resident, University of Tennessee Medical Center, Department of Pharmacy, Knoxville, Tennessee

1992 – 94 Cardiovascular Pharmacy Fellowship, University of Tennessee, Department of Clinical Pharmacy, Memphis, Tennessee; Mentor: Julie Johnson, Pharm.D.

1994 – 98 Doctor of Philosophy, Pharmaceutical Sciences, University of Kentucky, College of Pharmacy, Lexington, Kentucky; Mentor: Lisa Cassis, Ph.D.

IV. PROFESSIONAL EXPERIENCE

1986 – 87 Pharmacy Technician, Eckerd Drug, Oak Ridge, Tennessee

1988 – 90 Pharmacy Intern, Saint Francis Hospital, Memphis, Tennessee

- 1991 – 92 Pharmacist, University of Tennessee Medical Center, Department of Pharmacy, Knoxville, Tennessee
- 1998 – 07 Clinical Pharmacy Specialist, Department of Pharmacy Services, University of Kentucky, Chandler Medical Center, Lexington, KY

V. ACADEMIC APPOINTMENTS

University of Kentucky

- 1998 – 04 Assistant Professor (Tenure Track - Special Title Series), University of Kentucky, College of Pharmacy, Department of Pharmacy Practice and Science
- 1998 – 04 Associate Member, Graduate Faculty for the Pharmaceutical Sciences, University of Kentucky, College of Pharmacy, Department of Pharmaceutical Sciences
- 2004 – 07 Associate Professor with Tenure (Special Title Series), University of Kentucky, College of Pharmacy, Department of Pharmacy Practice and Science
- 2004 – 09 Full Member, Graduate Faculty for the Pharmaceutical Sciences, University of Kentucky, College of Pharmacy, Department of Pharmaceutical Sciences

Lipscomb University

- 2007 – 11 Associate Professor, Department of Pharmaceutical Sciences, Lipscomb University, College of Pharmacy
- 2011 – 13 Associate Professor with Tenure, Department of Pharmaceutical Sciences, Lipscomb University, College of Pharmacy
- 2013 – Full Professor with Tenure, Department of Pharmaceutical Sciences, Lipscomb University, College of Pharmacy

Vanderbilt University

- 2007 – 15 Associate Clinical Professor of Medicine, Division of Clinical Pharmacology, Vanderbilt University
- 2011 – 19 Adjunct Associate Professor, Department of Pharmacology, School of Medicine, Vanderbilt University
- 2019 – Adjunct Professor of Medicine, Department of Pharmacology, School of Medicine, Vanderbilt University

VI. ADMINISTRATIVE APPOINTMENTS

University of Kentucky

- 2006 – 07 Coordinator, Clinical & Experimental Therapeutics Graduate Track, University of Kentucky, Department of Pharmaceutical Sciences

Lipscomb University

- 2007 – Chair, Department of Pharmaceutical Sciences, Lipscomb University, College of Pharmacy
- 2009 – Director, Pharmaceutical Sciences Summer Research Program, Lipscomb University, College of Pharmacy
- 2011 – Co-Director, Pharm.D./Ph.D. Degree Partnership Program with Vanderbilt University, Lipscomb University, College of Pharmacy
- 2013 – Director, Pharmaceutical Sciences Research Center, Lipscomb University, College of Pharmacy
- 2019 – Laboratory Director, GCLP-Clinical Research Laboratory, Pharmaceutical Sciences Research Center, Lipscomb University, College of Pharmacy

VI. HOSPITAL OR CLINICAL APPOINTMENTS

- 1998 – 07 Clinical Pharmacy Specialist, Department of Pharmacy Services, University of Kentucky, Chandler Medical Center, Lexington, KY
- 2002 – 06 Clinical Research Faculty (Without Compensation), Department of Veterans Affairs, Veteran Affairs Medical Center, Lexington, KY

VII. TEACHING ACTIVITY

University of Tennessee

Pharmacy Curriculum:

- 1992 – 93 CLPH 313: Cardiovascular Therapeutics Module
- 1992 – 93 CLPH 311: Applied Clinical Pharmacokinetics
- 1992 – 93 CLPH 410: Cardiology Clerkship, Co-preceptor

University of Kentucky

Pharmacy Curriculum:

- 1994 PHR 806: Biopharmaceutics/Pharmacokinetics; Teaching assistant
- 1995 PHR 860: Cardiovascular/Pulmonary Physiology; Teaching assistant
- 1995 – 96 PHR 849: Dispensing Laboratory; Teaching assistant
- 1998 – 07 PHR 957 Integrated Cardiovascular Therapeutics (103 students per year)
Served as the Cardiovascular Module Leader for PHR 957 from 2003 to 2006 Fall Semesters. Responsible for teaching and delivering a total of 33 Contact Hours.
- 2003 – 04 PHR 952 Disease Processes I (92 students per year)
Served as the Cardiovascular Module Leader for PHR 952 during the 2003 Fall Semester that included attending classes and preparing examination questions for a total of 9 contact hours on cardiovascular pathology topics.

- 1999 – 07 PHR 988 Pharmacy Practice Clerkship (20 Pharm.D. students since 1999)
Coronary Intensive Care Unit, Chandler Medical Center
- 1999 – 07 Pharmacy Academic Exchange Program (12 Pharmacy students since 1999)
Kitasato University, Tokyo, Japan

Medicine Curriculum:

- 1999 – 02 MD 842 Advanced Clinical Pharmacology/Anesthesiology (1 contact hour/year)

Pharmaceutical Sciences Graduate Program:

- 1999 – 07 PHR 760 Introduction to Pharmaceutical Sciences
Lab Infomercials – Pharmacology (0.5 contact hours per year)
- 1999 – 07 Clinical Pharmaceutical Sciences Ph.D. Program
Clinical Research Rotation (2 students per year; 6-week rotation)
- 2004 – 07 PHR 760 Topics in Pharmaceutical Sciences: Introduction to Clinical and
Translational Research (2 Contact Hours)
- 2005 – 07 PHR 764 Special Topics in Pharmaceutical Sciences: Drug Development
Regulation and Clinical Research (1 Contact Hour)
Lecture: Use of Surrogate Markers in Phase 2/3 Cardiovascular Research

University Hospital Pharmacy Residency Program:

- 1998 Medical Intensive Care Unit Preceptor (3 Pharm.D. Residents since 1998):
- 1998 – 07 Coronary Intensive Care Unit Preceptor (30 Pharm.D. Residents since 1998)
- 1999 – 03 Cardiothoracic Intensive Care Unit Preceptor (12 Pharm.D. Residents since 1999)
- 1998 – 07 Critical Care Resident Lecture Series (3 Critical Care Residents per year)
Cardiovascular Lectures (9 Contact Hours per year)

Lipscomb University

Pharmacy Curriculum:

- 2008 – 09 PHPR 1002 Pharmacy Practice I – Academic Career Opportunities 1 CH
- 2008 – 10 PHIE 1512 Introductory Pharmacy Practice Experience 3 CH
Small Group Facilitator
- 2008 – PHAD 1111 Applied Christian Values in Pharmacy 12 CH
Small Group Facilitator
- 2009 – PHAD 2111 Applied Christian Values in Pharmacy 12 CH
Small Group Facilitator
- 2008 – PHSC 1512/1522 Integrated Biomedical Sciences Laboratory 54 CH
Drug Discovery Video/Biologics
Pharmacokinetic Workshop
Drug Dissolution Testing
Pharmacogenomic Testing/CPIC Guidelines
Drug Metabolism/CYP450 Inhibition Assays

Inhaled Pulmonary Drug Formulations

2009 –	PHSC 1423 Biopharmaceutics Drug Development and Basic Pharmacokinetics Intravenous Formulations and Drug Delivery Systems Oral Drug Formulations and Drug Delivery Systems	33 CH
2009 – 10	PHSC 2623 Pharmacologic Basis of Therapeutics Cardiovascular Pharmacology	6 CH
2009 –	PHSC 2433 Applied Biopharmaceutics and Pharmacokinetics Hepatic and Renal Clearance Concepts Phenytoin/Nonlinear Pharmacokinetics Pharmacogenomics/CPIC Case Studies Biotechnology Drug Products	30 CH
2012 –	APPE Rotation – Research in Pharmaceutical Sciences (Elective) APPE Rotation – Academic Rotation in Pharmacokinetics	
2013	PHSC 3002 Biotechnology and Drug Development (Elective)	
2016 –	PHSC 1113/1123 Physiologic Basis of Therapeutics I and II Blood and Blood Components Renal Physiology	3 CH 5 CH

Vanderbilt University

Master of Science Nursing Program:

2007 – 09	N307 Pharmacotherapeutics Adult Nurse Practitioner Specialty Program	4 CH per year
2008 – 09	N307 Advanced Pharmacotherapeutics Family Nurse Practitioner Specialty Program	3 CH per year

Medicine Curriculum:

2009 – 15	IDIS-5070 Disease, Diagnosis, and Therapeutics Pharmacokinetic Lectures	3 CH per year
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Pharmacology Graduate Program:

2009 –	PHAR 320 Drug Metabolism and Pharmacokinetics Pharmacokinetics and Drug Development	14 CH per year
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VIII. ADVISING ACTIVITY

University of Kentucky

2000 – 07 Pharmacy Student Advisor (8)

Pre-Pharmacy Student Research Advisor (2):

2002	High School Research Apprentice Program (HS-RAP) Mentor Justin Mullins, Whitesburg High School, Letcher County, KY
2006	Summer Undergraduate Research Program; Mentor

Brent Roach, Transylvania University, Lexington, KY

Pharmacy Resident Advisor (5):

1998 Jennifer Justice, Pharm.D., Pharmacy Practice Resident
1998 Phillip Empey, Pharm.D., Pharmacy Practice Resident
2001 Sandy Cuellar, Pharm.D., Pharmacy Practice Resident
2004 Felix Yam, Pharm.D., Pharmacy Practice Resident
2005 April Miller, PharmD., Pharmacy Practice Resident

Pharmacy Resident Research Advisor (7):

1998 Sara Douglas-Brouse, Pharm.D., Critical Care Resident (Co-Advisor)
1999 Phillip Empey, Pharm.D., Critical Care Resident (Co-Advisor)
2000 Jeremy Flynn, Pharm.D., Critical Care Resident
Project: *The Role of the Cardiac Renin-Angiotensin System in Ischemia-Reperfusion Injury.*
2000 Shilpa Shah, Pharm.D., Critical Care Resident
Project: *The Effect of Clonidine on Cardiac Norepinephrine Spillover.*
2001 Bonnie Rosbolt, Pharm.D., Critical Care Resident
Project: *The Effect of Ischemia-Reperfusion Injury on Angiotensin II Receptor Subtype Expression.*
2002 Natasa Stevkovic, Pharm.D., Critical Care Resident
Project: *The Safety of Clopidogrel Administration in Combination with Aspirin After Off-Pump Coronary Artery Bypass Surgery.*
2003 Diane H. Rhee, Pharm.D., Pharmacy Practice Resident
Project: *Evaluation of Chest Tube Output and Antiplatelet Therapy Following Coronary Artery Bypass Graft Surgery*
2005 Kyle Weant, Pharm.D., Critical Care Resident
Project: *Clinical Utility of the RPPA following Off-Pump Coronary Artery Bypass Surgery.*

Fellow Research Advisor (2):

2001 – 03 Jeremy D. Flynn, Pharm.D., Cardiovascular Critical Care Fellow
Project: *Cardioprotective Effects of Losartan on the Functional Recovery of Isolated Rat Hearts.*
2004 – 06 Jennifer Oh, Pharm.D., Cardiovascular Critical Care Fellow
Project: *Double-Blind Study of the Safety of Clopidogrel in Combination with Aspirin after OFF-Pump Coronary Artery Bypass Surgery.*

Graduate Student Research Advisory Committee (9):

1999 – 00 Member, Steve Phipps, Pharm.D.; Ph.D. Clinical Pharmaceutical Sciences
2000 – 01 Member, Sherry Hsu; Ph.D. Pharmaceutical Sciences Program
2001 – 04 Member, Carine Boustany, Pharm.D.; Ph.D. Pharmaceutical Sciences
2004 – 04 Member, Jerome Burke; Ph.D. Toxicology
2004 – 07 Member, Leah Allen; Ph.D. Pharmaceutical Sciences Program
2005 Outside Examiner, Tracy Henriques; Ph.D. Nutritional Sciences
2005 – 09 Mentor, Julie Oestreich, Pharm.D.; Ph.D. Clinical Pharmaceutical Sciences
2005 – 06 Mentor, Jennifer Oh, Pharm.D.; Clinical Pharmaceutical Sciences (Masters)
2006 – 08 Member, Shaojing Ye; Ph.D Department of Molecular and Cellular Biochemistry

Lipscomb University

- 2008 – Pharmacy Student Advisor (Approx. 100)
- 2008 – *Pharm.D.-to-Ph.D. Pathway Program* Advisor (5)
Rachel Crouch (Class of 2012)
Elizabeth Gibson (Class of 2015)
Brittany Spitznagel (Class of 2016)
Jessica Murray (Class of 2018)
Matthew Murphy (Class of 2019)
Vivian Truong (Class of 2021)
Elliot McClure (Class of 2023)
- 2012 – Summer Research Mentor (10)
2012 Alan Their (Student Pharmacist, P2)
2013 Benny Jemmott (Student Pharmacist, P2)
Kelli Ingram (Student Pharmacist, P2)
2014 Luke Bolin (Student Pharmacist, P2)
2015 Brooke Baggett (Student Pharmacist, P2)
2016 Haley Scarbrough (Undergraduate Student)
2018 Breyanne Bannister (Student Pharmacist, P1)
Vivian Truong (Student Pharmacist, P1)
Ellie Boster (Samford Undergraduate Student)
2019 Breyanne Bannister (Student Pharmacist, P2)
Vivian Truong (Student Pharmacist, P2)
Amakia Gibson (Student Pharmacist, P2)
2020 Haley Lewis (Undergraduate Student)
Dallas Gibson (Student Pharmacist, P1)
- 2014 – 19 NIH/K01 Training Grant Mentor, Klarissa Jackson (Junior Faculty Member)

Vanderbilt University

Graduate Student Research Advisory Committee (4):

- 2012 – 14 Member, David Stevens, Department of Pharmacology (Harth Laboratory)
2012 – 16 Member, Rachel Crouch, Department of Pharmacology (Daniels Laboratory)
2016 – 19 Member, Elizabeth Gibson, Department of Pharmacology (Osheroff Laboratory)
2017 – Member, Brittany Spitznagel, Department of Pharmacology (Weaver Laboratory)
2019 – Member, Matthew Murphy, Department of Pharmacology (Murray Laboratory)

Meharry Medical College

Graduate Student Research Advisory Committee (1):

- 2015 – 18 Member, Kristopher Abney, Department of Neuroscience (Weaver Laboratory)

IX. ADMINISTRATIVE ACTIVITY AND UNIVERSITY SERVICE

University of Tennessee

College of Pharmacy:

- 1993 – 94 Pharmacokinetic Course Subcommittee
1993 – 94 Drug Information Subcommittee

University of Kentucky

Chandler Medical Center:

Pharmacy Residency Program:

- 1998 – 07 Pharmacy Practice Resident Preceptor, Cardiology
- 1998 – 07 Critical Care Resident Preceptor, Cardiology
- 1999 – 07 Pharmacy Practice and Critical Care Resident Interviews

Hospital Pharmacy Patient Care Services:

- 1998 Medical Intensive Care Unit, Clinical Pharmacy Specialist
- 1998 – 07 Coronary Intensive Care Unit, Clinical Pharmacy Specialist
- 1999 – 03 Cardiothoracic Intensive Care Unit, Clinical Pharmacy Specialist

Hospital Pharmacy Service/Committees:

- 1998 – 00 Pharmacy & Therapeutics Critical Care Subcommittee
- 1999 Great Lakes Pharmacy Resident Conference Planning Committee
- 1999 Enoxaparin Medication Use Evaluation Task Force
- 2000 Low Molecular Weight Heparin Task Force (Consultant)
- 2000 Thrombolytic Policy Revisions for Emergency Department
- 2000 – 01 Eptifibatide Medication Use Evaluation (Coordinator)
- 2000 – 01 Amiodarone Medication Use Evaluation Task Force (Coordinator)
- 2000 – 01 Coumadin Medication Use Evaluation Task Force
- 2001 Anthem PTCA Patient Education Multidisciplinary Team (Member)
- 2001 Anthem CABG Patient Education Multidisciplinary Team (Member)
- 2001 Tirofiban Formulary Evaluation (Consultant)
- 2001 Antiarrhythmic Formulary Evaluation (Consultant)
- 2001 – 02 Natreacor Drug Evaluation (Consultant)
- 2003 Dofetilide Administration/Dispensing Guideline Document (Consultant)
- 2003 Bivalirudin Dosing Administration Card (Consultant)
- 2004 Cardiothoracic Surgery Post-Operative Atrial Fibrillation Protocol (Consultant)
- 2004 GP IIb/IIIa Receptor Antagonist Formulary/Cost Analysis (Consultant)
- 2004 ACE Inhibitor & Angiotensin II Receptor Blocker Formulary (Consultant)
- 2004 University of Kentucky AHA Get with the Guidelines Planning Committee
- 2004 ASHP Residency Accreditation Visit, Faculty Participant
- 2005 Cardiology Specialist Search Committee (Member)

Hospital Special Service Projects:

- 2003 – 07 Prospective QTc Interval Monitoring Program (Coordinator)
Pilot program to develop a multidisciplinary team to evaluate the frequency and type of drug exposures that may predispose critically ill patients to develop drug-induced QT interval prolongation at the University of Kentucky Medical Center.
- 2003 – 06 Hemostasis Monitoring Program following Cardiac Surgery (Co-Coordinator)
Establishment of a Clinical Monitoring Service to prospectively monitor patients at risk for developing excessive postoperative bleeding following cardiac surgery.

College of Pharmacy:

- 1997 – 98 Graduate Task Force Committee
- 1998 – 99 Research Challenge Trust Fund Faculty Search Committee
- 1998 – 00 Seminar Advisory Committee
- 1999 – 00 Pharmacy Practice & Science Search Committee, Transplant position
- 1999 – 05 Clinical Pharmaceutical Sciences Focus Group
- 1999 – 07 Molecular and Cellular Pharmacology Area of Graduate Study (Member)

- 2000 – 01 Pharmaceutical Sciences Faculty Search Committee, Drug Delivery position
- 2000 – 07 Safety Committee
- 2001 Clinical Pharmaceutical Sciences Graduate Student Recruitment, ASHP Midyear
Clinical Meeting, New Orleans, LA
- 2003 ACPE Self-Study Subcommittee: Faculty Standards
- 2003 Pathology and Therapeutics Review Committee
- 2003 – 07 Pharmaceutical Sciences Faculty Search Committee, Faculty position
- 2003 Pharmaceutical Sciences Ph.D. Program Open House
- 2003 Clinical Pharmaceutical Sciences Fellow/Graduate Student Recruitment, American
College of Clinical Pharmacy Recruitment Forum, Atlanta, GA
- 2003 Clinical Pharmaceutical Sciences Graduate Student Recruitment, ASHP Midyear
Clinical Meeting, New Orleans, LA
- 2004 – 05 Ad Hoc Committee for Residency Planning and Clinical Fellowship Retreat
- 2004 – 05 PPS Faculty Search Committee, Clinical Pharmaceutical Scientist Position
- 2004 – 06 PPS Governance Document Committee
- 2004 – 06 Clinical Pharmaceutical Sciences Strategic Plan Workgroup
- 2004 Clinical Pharmaceutical Sciences Graduate Student Recruitment, ASHP Midyear
Clinical Meeting, Orlando, FL
- 2005 – 06 Chair, Graduate Education and Research Committee, Department of
Pharmaceutical Practice and Science
- 2005 – 06 Member, Executive Committee, Department of Pharmacy Practice and Science
- 2005 – 07 Member, Graduate Education and Research Committee, Department of
Pharmaceutical Practice and Science
- 2006 Clinical & Experimental Therapeutics Graduate Student Recruitment, ASHP
Midyear Clinical Meeting, Anaheim, CA
- 2006 College of Pharmacy Building/Research Committee, PPS Representative
- 2006 Summer Undergraduate Research Program Mentor, Pharmaceutical Sciences
- 2006 – 07 Coordinator, Clinical & Experimental Therapeutics Graduate Track, Department of
Pharmaceutical Sciences
- 2006 – 07 Chair, Clinical and Experimental Therapeutics Track Steering Committee,
Departments of Pharmacy Practice & Science and Pharmaceutical Sciences
- 2006 – 07 Member, Department Chair Search Committee, Pharmacy Practice and Science

University:

- 2002 Research Challenge Trust Fund Reception, Kentucky General Assembly, Holiday
Inn Capital Plaza, Frankfort, KY
- 2006 – 07 Member, Clinical and Translational Science Training Core Committee

Lipscomb University

University

- 2008 Member, New Science Facility Programming Committee
- 2008 Member, Environmental Protection Agency Audit Committee
- 2009 Member, Institutional Review Board
- 2009 Member, Scholarship Task Force
- 2013 Chair, Provost Faculty Summer Research Grant Selection Committee
- 2016 Section Chair, Lipscomb University Student Scholars Symposium
- 2016 Research Standard Contributor, SACS Accreditation Document
- 2017 – Poster Judge, Lipscomb University Student Scholars Symposium

College of Pharmacy

- 2007 – Department Chair, Pharmaceutical Sciences

2007 – Member, College of Pharmacy Leadership Team
2008 – 09 Chair, Environmental Health and Safety Committee
2008 – 11 Member, Environmental Health and Safety Committee
2008 – 11 Member, Educational Assessment Committee
2009 Coordinating Chair, Pharmacy Research Day Symposium
2010 Coordinating Chair, Pharmacy Research Day Symposium
2010 – 11 Chair, Meharry Collaborative Task Force
2011 – 17 Member, Academic Progression Committee
2011 Coordinating Chair, Pharmacy Research Day Symposium
2013 Coordinating Chair, Pharmacy Research Day Symposium
2016 – Standard Manager, ACPE Accreditation Self Study Committee

Vanderbilt University

Department of Pharmacology

2014 – Member, T32 NIH-NIGMS Training Grant in Pharmacological Sciences
2016 – 17 Exam Contributor, Pharmacology Qualifying Examination in Pharmacology
2017 – Member, Pharmacology Mock Qualifying Examination in Pharmacology
2018 – Member, Training Program Vanderbilt AHA Atrial Fibrillation SFRN
2019 – Member, Training Program Vanderbilt AHA Sudden Cardiac Death SFRN

X. PROFESSIONAL SERVICE

Grant Review Committees:

1999 – 05 Internal Grant Reviewer, UK Chandler Medical Center
2004 – 07 Invited Grant Reviewer, UK General Clinical Research Center
2006 – 08 American Heart Association, Ohio Valley Peer Review Committee 2b
2013 – Ad Hoc Research Design Studio Reviewer, Vanderbilt Institute for Clinical and Translational Research

Editorial Appointments:

1999 Editor, “Acute Myocardial Infarction Module”, UK CE Office

Journal Referee:

1995 *Clinical Pharmacy*
1997 – 03 *Journal of Pharmacology and Experimental Therapeutics*
2001 – 03 *Cardiovascular Research*
2003 – 07 *Pharmacotherapy*
2003 – 07 *The Annals of Pharmacotherapy*
2006 *Pharmaceutical Research*
2007 – 15 *Journal of Clinical Pharmacology*
2020 – *European Heart Journal – Cardiovascular Pharmacotherapy*

Other Professional Service:

2002 – 07 Poster Judge, UK Gill Heart Institute Cardiovascular Research Day
2003 Invited Participant, *Pharmacotherapy* Focus Group
2004 – 05 Society of Critical Care Medicine, Multidisciplinary Model Research Committee
2004 – 05 Research/Scholarly Activity Mentor for UK Pharmacy ICU Team
2004 – 07 American College of Clinical Pharmacy, Abstract Reviewer
2005 – 07 Manuscript Reviewer, Residency Research Awards
2006 – 07 Poster Judge, Clinical and Translational Science Spring Conference

2006 Representative, NIH PharmD Pathways to Biomedical Research Conference
2016 – 17 Advisory Panel, AACP Academic Research Fellows Program - Catalyst
2017 – 18 Member, AACP Research Program Development Committee
2019 – Member, NIH Data and Safety Monitoring Board, NHLBI

XI. PUBLIC SERVICE

1997 – 00 Member, Florence Church of Christ, Florence, KY
2000 – 07 Member, Southside Church of Christ, Lexington, KY
2004 Pharmacy Team Leader, Gill Heart Institute, American Heart Association Walk, Ohio Valley Affiliate, Lexington, KY
2008 – Member, Harpeth Hills Church of Christ, Nashville, TN
2008 – 10 Participant, Lipscomb College of Pharmacy Team, Arthritis Walk, Tennessee Chapter, Nashville, TN
2008 – 09 Participant, Lipscomb College of Pharmacy Explorers Program, Nashville, TN

XII. CONSULTING ACTIVITY

1999 – 00 Poulenc Rorer Pharmaceuticals, Inc., Delaware, PA
2000 – 01 Quest Medical, Inc., Allen, Tx
2000 – 07 Sanofi-Aventis Pharmaceuticals, Inc., New Jersey
2004 – 05 Pfizer Pharmaceuticals, Inc., New York, NY
2004 – 05 Guilford Pharmaceuticals, Inc.
2012 – 13 Palm Beach Atlantic College of Pharmacy, Pharmaceutical Sciences Mentor
2016 – 19 Sano Informed Prescribing, Inc., Franklin, TN
2019 – 20 Seventh Wave Laboratories LLC, Maryland Heights, MO
2020 – Inotiv, West Lafayette, IN

XIII. PROFESSIONAL ACTIVITY AND DEVELOPMENT

Professional Affiliations:

1987 – 88 Member, The Academy of Students of Pharmacy
1987 – Member, Kappa Psi Pharmaceutical Fraternity
1991 – 92 Member, Knoxville Society of Hospital Pharmacists
1991 – 08 Member, American Society of Hospital Pharmacists
1992 – 94 Member, Memphis Area Resident/Fellow Society
1992 – 94 Member, Mid-South College of Clinical Pharmacy
1992 – 07 Member, American College of Clinical Pharmacy
1998 – Member, Rho Chi Honor Society
1998 – Member, American Association of Colleges of Pharmacy
2001 – 07 Member, Society of Critical Care Medicine
2002 – 07 Member, American Heart Association
2003 – 07 Member, Bluegrass Pharmacists Association
2006 – Member, American College of Clinical Pharmacology
2007 – Member, Tennessee Pharmacist Association
2008 – Member, American Association of Pharmaceutical Scientists
2015 – Member, American Society of Pharmacology and Experimental Therapeutics

Professional Development:

1992 Advanced Cardiac Life Support
University of Tennessee Medical Center at Knoxville
1992 Educational Effectiveness Seminar
University of Tennessee, College of Pharmacy
1992 Leadership Effectiveness Seminar

- 1992 University of Tennessee, College of Pharmacy
Biostatistics for the Sciences I
University of Tennessee, Memphis
- 1993 Pharmacotherapy Review Course
University of Tennessee, Department of Clinical Pharmacy
- 1993 Advanced Pharmacokinetic/Pharmacodynamics Course
University of Tennessee, Department of Clinical Pharmacy
- 1998 Pharmacotherapy Self-Assessment Program, Third Edition
American College of Clinical Pharmacy
- 1999 Development of Laboratory Techniques in the Isolated Perfused Rat Heart
Preparation, Drs. Joseph Janicki and Greg Brower, Department of Anatomy,
Physiology, and Pharmacology, Auburn University
- 1999 Development of Laboratory Techniques in the Isolated Perfused Rat Heart
Preparation with Attached Cardiac Sympathetic Nerves. Dr. Subramaniam
Apparsundaram, Department of Pharmacology and Center for Molecular
Neuroscience, Vanderbilt University Medical School
- 2001 Orientation to Blackboard 5. WT Young Library, University of Kentucky.
- 2001 K30 Fall Retreat Mini-Workshops: Authorship Ethics, Conflict of Interest.
University of Kentucky.
- 2001 K30 December Journal Club. Coaching: The Opportunity to Realize Dreams.
University of Kentucky.
- 2002 Development of Laboratory Techniques using Gel Shift Assays and Western Blots.
Drs. Hollie Swanson and Ginell Post, University of Kentucky
- 2002 Certification of Human Subject Protection Education
- 2003 NIH Peer Review Policies and Procedures: Grant Writing for Success, Anthony M.
Coelho, Ph.D., NIH Review Policy Officer. Presented at the University of
Kentucky, Lexington, KY.
- 2003 NIH R03 and R21 Workshop. University of Kentucky, Lexington, KY.
- 2003 Clinical Research Skills Workshop, Pfizer Pharmaceuticals, Lexington, KY
- 2004 Uniform IRB, IBC, GCRC Unanticipated Problems/Adverse Event Reporting in
Human Research Projects. University of Kentucky IRB, Lexington, KY.
- 2004 NIH Grant Workshop: R03 and R21. OSPA, University of Kentucky, Lexington, KY.
- 2013 Fellow, Academic Research Fellows Program, American Association of
Colleges of Pharmacy

XIV. HONORS, AWARDS AND ACHIEVEMENTS

- 1985 – 86 Dean's List, Roane State Community College
- 1988 – 91 Scholarship Honors, Kappa Psi Pharmaceutical Fraternity
- 1993 Upjohn Research Award, University of Tennessee
- 1993 American College of Clinical Pharmacy Cardiovascular Fellowship
- 2000 American Foundation of Pharmaceutical Education Fellowship
- 2001 Rho Chi Honor Society
- 2001 American College of Clinical Pharmacy Critical Care Fellowship (Mentor)
- 2001 AACP New Investigator Award
- 2001 UK Pharmacy Practice & Science Research Enhancement Award
- 2001 UK K30 Career Training Award in Translation Research (Mentor)
- 2002 UK Gill Heart Institute Cardiovascular Research Conference Fellow Poster Award
1st Place Winner: Jeremy Flynn, Pharm.D. (Mentor: Akers)
- 2003 Society of Critical Care Outcomes Pharmacy Fellowship Program Award
- 2003 American College of Clinical Pharmacy Best Fellow Award
Fellow: Jeremy Flynn, Pharm.D. (Mentor: Akers)

- 2006 K30 Mentor Recognition Award, Clinical and Translational Science Spring Conference, University of Kentucky, Lexington, KY
- 2006 Student Abstract Award (Julie Oestreich, PharmD; Mentor: Akers)
American College of Clinical Pharmacology, Cambridge, MA
- 2006 Wayne A. Colburn Memorial Award (Julie Oestreich, PharmD; Mentor: Akers)
American College of Clinical Pharmacology, Cambridge, MA
- 2006 Finalist, Best Student Poster (Julie Oestreich, PharmD; Mentor: Akers)
American College of Clinical Pharmacy, St. Louis, MO
- 2006 – 07 American Heart Association Pre-Doctoral Fellowship (Julie Oestreich, PharmD; Mentor: Akers)
- 2006 American Foundation for Pharmaceutical Education Pre-Doctoral Fellowship (Julie Oestreich, PharmD; Mentor: Akers)
- 2006 Rho Chi Research Day First Place Graduate Student Poster, University of Kentucky (Julie Oestreich, PharmD; Mentor: Akers)
- 2008 Rho Chi Research Day Second Place Graduate Student Poster, University of Kentucky (Julie Oestreich, PharmD; Mentor: Akers)
- 2008 PhRMA Foundation Pre-Doctoral Fellowship (Julie Oestreich, PharmD; Mentor: Akers)
- 2008 APhA Annual Meeting First Place Postgraduate Poster Award-Clinical Sciences (Julie Oestreich, PharmD; Mentor: Akers)
- 2013 American Association of Colleges of Pharmacy, Academic Research Fellows Program
- 2014 Faculty of the Year Award, Kappa Psi Pharmaceutical Fraternity, Lipscomb College of Pharmacy
- 2015 Faculty of the Year Teaching Award, First Year Class, Lipscomb College of Pharmacy
- 2017 Lipscomb University Student Scholars Symposium, First Place Presentation (Haley Scarbrough, Undergraduate Research Student; Mentor: Akers)
- 2018 Faculty of the Year Teaching Award, First Year Class, Lipscomb College of Pharmacy

XV. SCHOLARLY PRESENTATIONS

Local Presentations:

Racial differences in antihypertensive response to beta-blockade. Podium: University of Tennessee, College of Pharmacy, Department of Clinical Pharmacy Research Seminar, Memphis, TN, July 1993.

Racial differences in antihypertensive response to beta-blockade. Podium: University of Tennessee, College of Pharmacy, Department of Clinical Pharmacy Research Seminar, Memphis, TN, June 1994.

Angiotensin II in congestive heart failure. Podium: University of Kentucky, College of Pharmacy, Division of Pharmacology and Experimental Therapeutics Research Seminar, Lexington, KY, March 1995.

Characterization of the renin-angiotensin system in a pressure-overload rat model. Podium: University of Kentucky, College of Pharmacy, Division of Pharmacology and Experimental Therapeutics Research Seminar, Lexington, KY, February 1996.

Angiotensin II regulates cardiac beta-adrenergic receptors in a rat model of pressure-overload. Podium: University of Kentucky, College of Pharmacy, Division of Pharmacology and Experimental Therapeutics Research Seminar, Lexington, KY, March 1997.

Enhanced cardiac sympathetic neurotransmission in a rat model of pressure-overload. Podium: University of Kentucky, College of Pharmacy, Department of Pharmacy Practice and Science, Lexington, KY, September 1997.

Enhanced Cardiac Neurotransmission in Rat Left Ventricle Following Pressure-Overload. Podium: Gill Heart Research Seminar, University of Kentucky, October 1998.

Suppressing Cardiac Sympathetic Neurotransmission. Podium: Pharmacy Practice and Science Research Seminar Series, University of Kentucky, March 1999.

Low Molecular Weight Heparins. Podium: Department of Emergency Medicine Grand Rounds, College of Medicine, University of Kentucky, Lexington, KY (CE Provided), November 1999.

Suppressing Cardiac Neurotransmission. Podium: American Association of Pharmaceutical Scientists: University of Kentucky Chapter. Session III: Clinical Pharmacology. Lexington, KY, April 2000.

Clinical Pharmacology of Nitrovasodilators. Podium: Cardiology Catheterization Report, College of Medicine, University of Kentucky, April 2000.

Building Community Partnership for Heart Failure Care: A Multi-Disciplinarian Approach. Podium Discussion Panel: Heart Failure - From Cell to Bedside. Hyatt Regency Lexington, Lexington, KY (CE Provided), September 2000.

Clinical Pearls: Drug-Induced QT Interval Prolongation. Podium: Pharmacy Grand Rounds, University of Kentucky Chandler Medical Center, September 2002.

Losartan and Ischemic Preconditioning Inhibits p38 Kinase Activation During Ischemia and Enhances Akt Activation During Reperfusion in Isolated Rat Hearts. Flynn J, Post G, Kilpatrick E, Cassis L, Pauly J, Akers WS. Poster: University of Kentucky Gill Heart Research Institute Conference, November 2002.

Optimizing the Diabetic Formulary to Improve Cardiovascular Outcomes. Podium: Bluegrass Pharmacists Association Meeting, Lexington, KY (CE Provided), May 2003.

Initiation of a Prospective QT Interval Monitoring Program in the Intensive Care Units. Presented to the Pharmacy & Therapeutics Committee, University of Kentucky Medical Center, Lexington, KY, September 2003.

Improving Drug Therapy and Outcomes in the Cardiothoracic Surgical Population. Podium: University of Tennessee, College of Pharmacy, Department of Clinical Pharmacy Research Seminar, Memphis, TN, January 2004.

Inhibition of platelet function by clopidogrel is attenuated when initiated during Cangrelor therapy. Oestreich JH, Ferraris S, Wagner R, Locklar A, Kaibas A, Akers WS, and Steinhubl SR. Poster: Rho Chi Research Day, Lexington, KY, April 2006.

The effect of the H2 haplotype and receptor antagonism on platelet activation and aggregation in healthy volunteers. Oestreich JH, Locklar A, Oh J, and Akers WS. Poster: Clinical and Translational Science Spring Conference, Lexington, KY, June 2006.

Integrating and Applying Pharmacokinetic, Pharmacodynamic, and Pharmacogenomic Tools to Discover and Define Relationships Between Drug Concentration and Response: Focus on Antiplatelet Agents. Podium: Center for Clinical and Translation Science Fall Conference, Lexington, KY, October 2006.

Integrating and Applying Pharmacokinetic, Pharmacodynamic, and Pharmacogenomic Tools to Discover and Define Relationships Between Drug Concentration and Response: Focus on Antiplatelet Agents. Podium: Freed-Hardeman University Research Day, Henderson, TN, April 2008.

Drug Dissolution Testing. Laboratory Exercise: Lipscomb University Race To The Top Hands-On Chemistry Program, Nashville, TN, March 2012.

Drug Dissolution Testing. Laboratory Exercise: Lipscomb-HCA/TriStar Health Care Academy Lipscomb University, Nashville, TN, June 2012.

Enhancing Research and Scholarship: A Lipscomb Perspective. Palm Beach Atlantic School of Pharmacy, West Palm Beach, FL, April 2013.

Inside the Numbers: Examine Analysis and Student Feedback. Palm Beach Atlantic School of Pharmacy, West Palm Beach, FL, April 2013.

Pharmacokinetics 101: Back to the Basics. Continuing Education. Lipscomb University College of Pharmacy, Nashville, TN, March 2016.

High-dose Montelukast Pharmacokinetics in Children with Asthma Attacks. Akers WS, King JC, Truong V, Arnold DH. Poster: Vanderbilt University Translational Research Forum, October 2019.

State/Regional Presentations:

Chronic imipramine treatment as a rodent model for nutritionally related congestive heart failure. Burke GV, Cross A, Akers WS, Cassis LA. Poster: University of Kentucky Gill Heart Research Institute Conference, October 1998.

Alterations in cardiac sympathetic neurotransmission following pressure-overload. Akers W, English V, Cross A, Cassis L. Poster: University of Kentucky Gill Heart Research Institute Conference, October 1998.

Management of Acute Coronary Syndromes: Low Molecular Weight Heparins. Podium: Nursing Health Education. Baptist East Hospital, Louisville, Kentucky (CE Provided), April 1999.

Presynaptic Modulation of Norepinephrine Release Contributes to Cardiac Sympathetic Activation. Akers WS, English VL, Cassis LA. Poster: University of Kentucky Gill Heart Institute Cardiovascular Research Conference, October 2000.

Chronic Imipramine Administration as a Rodent Model for Cardiac Failure with Associated Cardiac Cachexia. Burke G, Akers S, Cassis L. Poster: University of Kentucky Gill Heart Institute Cardiovascular Research Conference, October 2000.

Effects of Losartan on Ischemia/Reperfusion Injury in Isolated Rat Hearts. Akers WS, Flynn J, Narayan P. Poster: University of Kentucky Gill Heart Institute Cardiovascular Research Conference, October 2001.

The Effect of Clonidine on Norepinephrine Spillover in the isolated rat heart. Akers WS, Shah SK, Oak K, Apparsundaram S. Poster: University of Kentucky Gill Heart Institute Cardiovascular Research Conference, October 2001.

Chronic Imipramine Administration Reduces Cardiac Contractility. Burke G, Akers W, Narayan P, Cassis L. Poster: University of Kentucky Gill Heart Institute Cardiovascular Research Conference, October 2001.

Management of Acute Coronary Syndromes: Case-based Workshop. Podium: Aventis Pharmaceuticals Consultant Meeting. Ritz Carlton, Amelia Island, Florida, March 2002.

The Effects of the Cardiac Renin-Angiotensin System on Myocardial Ischemia-Reperfusion Injury. Podium: Flynn JD, Akers WS. 32nd Annual Southeastern Residency Conference, Athens, GA, April, 2001.

Reduction in Cardiac Norepinephrine Spillover Using Clonidine. Podium: Shah SK, Akers WS. 32nd Annual Southeastern Residency Conference, Athens, GA, April, 2001.

Effect of Ischemia-Reperfusion Injury on Angiotensin II Receptor Subtype Expression. Podium: Rosbolt MB, Flynn JD, Akers WS. 33rd Annual Southeastern Residency Conference, Athens, GA, April, 2002.

Enhancing Cardiac Protection Through Sodium-Hydrogen Exchange Inhibition. Podium: Grand Rounds Meriter Hospital, Madison, WI (CE Provided), October 2002.

Safety of Clopidogrel in Combination with Aspirin After Off-Pump Coronary Artery Bypass Surgery. Podium: Stevkovic N, Flynn JD, Ramaiah C, Akers WS. 34th Annual Southeastern Residency Conference. Athens, GA, April 2003.

Vitamin K1 for the Reversal of Warfarin Anticoagulation: An Outcomes Evaluation. Podium: Martin CA, Akers WS, Armitstead JA, Davis GA. 34th Annual Southeastern Residency Conference. Athens, GA, April 2003.

Vitamin K1 for the reversal of warfarin anticoagulation: evaluation of an educational program at a university hospital. Davis GA, Martin CA, Armitstead JA, Akers WS. Poster: University of Kentucky Gill Heart Research Institute Conference, October 2003.

Differential Regulation of Serine/Threonine Protein Kinases by Angiotensin II Receptor Subtypes During Myocardial Ischemia-Reperfusion Injury. Akers WS, Flynn JD, Post G. Poster: University of Kentucky Gill Heart Research Institute Conference, October 2003.

Clonidine Suppression of Cardiac Norepinephrine Spillover in the Isolated Rat Heart. Akers WS, Flynn JD, Apparsundaram S. Poster: University of Kentucky Gill Heart Research Institute Conference, October 2003.

Frequency of P2Y12 haplotype and GPIIb/IIIa genotype in African American and Caucasian populations. Akers WS, Flynn JD, Carmichael EM, Davis GA. Poster: University of Kentucky Gill Heart Institute Cardiovascular Research Conference. A(76), 2004.

Optimization of Agonist-stimulated [35S]GTP γ S Binding in Rat Heart Tissue Sections. Oestreich J, Locklar A, Pauly J, Akers WS. Poster: University of Kentucky Gill Heart Institute Cardiovascular Research Conference. A(50), 2004.

Inhibition of platelet function by clopidogrel is attenuated when initiated during Cangrelor therapy. Oestreich JH, Ferraris S, Wagner R, Locklar A, Kaibas A, Akers WS, and Steinhubl SR. Poster: University of Kentucky Gill Heart Institute Cardiovascular Research Conference, Lexington, KY, October 2005.

Effect of intravenous cangrelor, a reversible platelet P2Y12 receptor antagonist, on ADP-induced platelet aggregation. Oh J, Ferraris S, Wethington M, Dulin B, Steinhubl SR, and Akers WS. Poster: University of Kentucky Gill Heart Institute Cardiovascular Research Conference, Lexington, KY, October 2005.

Recent and Ongoing Clinical Trials with Other Antithrombins: Implications in the Management of Acute Coronary Syndromes. Podium: Sanofi-Aventis Pharmaceuticals, Pharmacy Working Group Meeting, Dallas, TX, November 2005.

Interventions to improve compliance with guidelines in patients following coronary artery bypass grafting. Yam FK, Akers WS, Ferraris VA, Smith K, Ramaiah C, Camp PC, Flynn JD. Poster: Central Surgical Association Annual Meeting, Louisville, KY, March 2006.

The effect of the H2 haplotype and receptor antagonism on platelet activation and aggregation in healthy volunteers. Oestreich JH, Locklar A, Oh J, and Akers WS. Poster: University of Kentucky Gill Heart Institute Cardiovascular Research Conference, Lexington, KY, October 2006.

Effect of increased maintenance dose of clopidogrel on platelet aggregation. Holt J, Akers WS, Oestreich JH, and Steinhubl SR. Poster: University of Kentucky Gill Heart Institute Cardiovascular Research Conference, Lexington, KY, October 2006.

Variability in ADP-induced platelet activation and aggregation by light transmittance aggregometry. Roach B, Oestreich JH, and Akers WS. Poster: University of Kentucky Gill Heart Institute Cardiovascular Research Conference, Lexington, KY, October 2006.

Overview of Platelet Assays: Applications for Interpreting Clinical Trial Data. Podium: Sanofi-Aventis Pharmaceuticals, Regional Cardiovascular Medical Training Meeting, Jackson Hole, WY, February 2007.

University of Tennessee College of Pharmacy Expansion – Vision for the Nashville Campus. Invited Speaker: University of Tennessee College of Pharmacy, Nashville, TN, July 2014.

Pharmacokinetics for the Pharmaceutical Scientist – Short Course. Invited Speaker: Drug Metabolism and Pharmacokinetics Division, Seventh Wave Laboratories LLC, Maryland Heights, MO, July 2019.

Pharmacokinetics for the Pharmaceutical Scientist – Short Course. Invited Speaker:
Pharmacology and Toxicology Division, Seventh Wave Laboratories LLC, Maryland Heights, MO,
October - November 2019.

National Presentations:

Racial differences in response to beta-blockade. Podium: ACCP Genentech Research
Fellowship Award presented at the 15th Annual Meeting of the American College of Clinical
Pharmacy, St. Louis, MO, July 1994.

R- and S-verapamil protein binding: characterization and effect of metabolites. Akers WS,
Johnson JA. Poster: 15th Annual Meeting of the American College of Clinical Pharmacy, St.
Louis, MO, July 1994.

Effect of pressure-overload on angiotensin receptors in rat heart. Akers W, Dowell T, Cassis L.
Poster: FASEB, Washington D.C., April 1996.

Differential effects of propranolol and labetalol on nighttime blood pressure. Akers WS, Johnson
JA. Poster: American Society of Hypertension, New York City, New York, April 1998.

Alterations in cardiac sympathetic neurotransmission following pressure-overload. English V;
Akers W; Cassis L. Poster: FASEB April 1999.

The Renin-Angiotensin System in Heart Failure: Angiotensin II Receptor Blockers. Podium:
AstraZeneca Pharmaceuticals, Dallas, TX, August 2000.

The Renin-Angiotensin System in Heart Failure. Podium: Aventis Pharmaceuticals, Cincinnati,
OH, October 2000.

Increased Cardiac Sympathetic Neurotransmission in Cardiac Hypertrophy. Podium: American
College of Clinical Pharmacy Annual Meeting. Los Angeles, CA, November 2000.

*Severe isolated thrombocytopenia following antiplatelet administration during acute myocardial
infarction. Brouse S,* Akers WS. Poster: ASHP Midyear Clinical Meeting, Las Vegas, NV,
December 2000.

The renin-angiotensin system in myocardial ischemia-reperfusion injury. Flynn JD, Narayan P,
Akers WS. Poster: The American College of Clinical Pharmacy Spring Practice and Research
Forum, Salt Lake City, UT, April 2001.

The Effect of Clonidine on Norepinephrine Spillover in the isolated rat heart. Akers WS, Shah
SK, Oak K, Apparsundaram S. Poster: The American College of Clinical Pharmacy Annual
Meeting, Tampa, FL, October 2001.

*Effect of Nesiritide Versus Milrinone on Patient Outcomes in the Treatment of Acutely
Decompensated Heart Failure. Lewis DA,* Gurram NR, Abraham WT, Akers WS. Poster: The
American College of Clinical Pharmacy Spring Meeting, Palm Springs, CA, April 2003.

*Safety of Clopidogrel in Combination with Aspirin After Off-Pump Coronary Artery Bypass
Surgery (OPCAB): The CLOPCAB Trial. Flynn JD,* Ramaiah C, Ferraris S, Ferraris V, Akers WS.

Poster: Cardiology PRN, The American College of Clinical Pharmacy Annual Meeting, Atlanta, GA, November 2003.

A Comparison of Rate Control and Rhythm Control in Patients with Atrial Fibrillation: The AFFIRM Trial. Significant Papers in Pharmacotherapy (Cardiology). Podium: The American College of Clinical Pharmacy Annual Meeting, Atlanta, GA, November 2003.

Differential Regulation of Mitogen Activated Protein Kinases by Angiotensin II Receptor Subtypes During Myocardial Ischemia-Reperfusion Injury. Flynn JD, Post G, Akers W.S. Poster: American College of Clinical Pharmacy, November 2003.

Cardioprotective Effects of Losartan during Myocardial Ischemia-Reperfusion Injury. Flynn JD, Post GR, Akers WS. Podium: ACCP Research Institute, Scientific Paper Platform Presentation, American College of Clinical Pharmacy, November 2003.

Vitamin K1 for the reversal of warfarin anticoagulation: an outcomes evaluation. Poster: Martin CA, Akers WS, Armitstead JA, Davis GA. American Society of Health-System Pharmacists Midyear Clinical Meeting. New Orleans, LA. December 2003.

Impact of P2Y12 Haplotype on the Antiplatelet Effects of Clopidogrel in Off-Pump Bypass Surgery Patients. Oh J, Flynn JD, Davis GA, Ferraris S, Akers WS. Podium: Cardiology PRN, American College of Clinical Pharmacy Annual Meeting, Dallas, TX. October 2004.

Development of a multidisciplinary hemostasis monitoring program for post-cardiac surgery patient. Flynn JD, Akers WS. Poster: The American College of Clinical Pharmacy Annual Meeting, Dallas, TX. October 2004.

Frequency of P2Y12 haplotype and GPIIb/IIIa genotype in African American and Caucasian populations. Davis GA, Flynn JD, Carmichael EM, Akers WS. Podium: The American College of Clinical Pharmacy Annual Meeting, Dallas, TX. October 2004.

Implementation of a pharmacy directed, multidisciplinary practice to improve compliance with published guidelines and quality indicators in post coronary artery bypass graft patients. Yam FK, Smith K, Akers WS, Camp PC, Flynn JD. Poster: The American College of Clinical Pharmacy Spring Practice and Research Forum, Myrtle Beach, SC, April 2005.

The effect of the P2Y12 receptor haplotype and receptor antagonism on platelet activation and aggregation in healthy volunteers. Oestreich JH, Akers WS. Poster/Podium: The American College of Clinical Pharmacology Annual Meeting, Boston, MA, September 2006.

Pharmacodynamics of Cangrelor when Administered Alone or in Combination with Clopidogrel. Oestreich JH, Steinhubl SR, Ferraris S, Oh J, Wethington M, Akers WS. Poster: The American College of Clinical Pharmacy Annual Meeting, St. Louis, MO, October 2006.

Risk-adjusted outcomes of patients receiving either e-aminocaproic acid or Aprotinin for antifibrinolytic prophylaxis during on-pump cardiac surgery. Flynn JD, Ramsey EZ, Akers WS, Stienke D, Smith K, Camp PC, Ramaiah C, Ferraris VA. Poster: The American College of Clinical Pharmacy Annual Meeting, St. Louis, MO, October 2006.

Effect of increased maintenance dose of clopidogrel on platelet aggregation. Holt J, Akers WS, Oestreich JH, Steinhubl SR. Poster: American College of Cardiology Annual Scientific Sessions, New Orleans, LA, March 2007.

Career Growth Areas in Pharmacology: Colleges of Pharmacy. Podium: National Directors of Graduate Studies in Pharmacology Annual Meeting, East Lansing, MI, July 2011.

An integrated approach to drug dissolution: focus on drug formulation and release. Akers WS and Mercer SL. Poster: American Association of Colleges of Pharmacy Annual Meeting, San Antonio, TX, July 2011.

Use of a high-throughput assay to emphasize key concepts in drug metabolism and drug interactions. Akers WS and Mercer SL. Poster: American Association of Colleges of Pharmacy Annual Meeting, San Antonio, TX, July 2011.

An Integrated Biomedical and Pharmaceutical Sciences Teaching Laboratory for First Year PharmD Students. Fowler MW, Deweese JE, Dilks HH, Mercer SL, Phipps SD, McCormack J, Akers WS. Poster: American Association of Colleges of Pharmacy Annual Meeting, San Antonio, TX, July 2011.

Drug Metabolism Laboratory. Special Session: Back to the Basics: Integrating Curricular Content in the Pharmaceutical Sciences through Laboratory Based Exercises. American Association of Colleges of Pharmacy Annual Meeting, Kissimmee, Florida, July 2012.

Drug Dissolution Laboratory. Special Session: Back to the Basics: Integrating Curricular Content in the Pharmaceutical Sciences through Laboratory Based Exercises. American Association of Colleges of Pharmacy Annual Meeting, Kissimmee, Florida, July 2012.

IBS Laboratory Student Survey and Course Evaluations. Special Session: Back to the Basics: Integrating Curricular Content in the Pharmaceutical Sciences through Laboratory Based Exercises. American Association of Colleges of Pharmacy Annual Meeting, Kissimmee, Florida, July 2012.

An In-Vitro Model of Intralipid Emulsion Treatment for Verapamil Toxicity. Akers WS, Ingram K, Fowler MW, Vergne M, Knollman BC, Segar DL, Dawling SP. Academic Research Fellow Program Poster: American Association of Colleges of Pharmacy Annual Meeting, Grapevine, TX, July 2014.

Establishing a Research Scholars Program and Cross Institutional Partnerships. Akers WS. Special Poster Session: American Association of Colleges of Pharmacy Annual Meeting, Grapevine, TX, July 2014.

Establishing Cross-Institutional Partnerships: PharmD-to-PhD Pathway Program. Akers WS and Barnett J. Leading from the Lab: the 2018 Research Symposium (AACP Catalyst and INSPIRE 2018). American Association of Colleges of Pharmacy Interim Meeting. Long Beach, CA, February 2018.

AHA-Strategically Focused Research Network for Atrial Fibrillation. Reverse Site Presentation: A Novel Molecular Target in Atrial fibrillation – Pharmacokinetics and Pharmacodynamics of 2HOBA. American Heart Association. Chicago, IL, May 2018.

AHA-Strategically Focused Research Network for Sudden Cardiac Death. Reverse Site Presentation: Clinical Research Study in Ventricular Tachycardia Ablation – Pharmacokinetics and Pharmacodynamics of Ryanodex. American Heart Association. Dallas, TX, May 2019.

International Presentations:

Therapy for Secondary Prevention following Coronary Artery Bypass Graft Surgery. Poster: Rhee DH, Flynn JD, Ramaiah C, Davis GA, Akers WS. ACCP-ESCP International Conference on Clinical Pharmacy. Paris, France. April 2004.

Use of Recombinant Factor VIIa for the Treatment of Refractory Bleeding in Heart Transplantation. Poster: Jahania SA, Camp PC, Flynn JD, Akers WS, and Saha SP. 46th Annual World Congress of the International College of Angiology. Lexington, Kentucky. July 2004

XVI. GRANTS AND CONTRACTS

Research Grants and Contracts

Title: The role of angiotensin II in cardiac hypertrophy of the senescent heart.
Award: 1999 Pilot Grant in the Biology of Aging
Sponsor: UK Department of Physiology
Amount: \$ 20,000
Date: 1/1/00 – 12/31/00
Role (% Effort): Wendell S. Akers, Pharm.D., Ph.D. (Co-PI; 10%)
Lisa A. Cassis, Ph.D. (Co-PI)

Title: Alterations in the Cardiac Renin-Angiotensin System during Myocardial Ischemia-Reperfusion Injury.
Award: 2001 Research Enhancement Award
Sponsor: UK Division of Pharmacy Practice & Science
Amount: \$ 30,000
Date: 7/01/01 – 6/30/02
Role (% Effort): Wendell S. Akers, Pharm.D., Ph.D. (PI; 15%)

Title: The Role of Endogenous Angiotensin II on Myocardial Ischemia-Reperfusion Injury.
Award: 2001 Medical Center Research Grant
Sponsor: UK Medical Center
Amount: \$ 15,000
Date: 7/01/01 – 6/30/02
Role (% Effort): Wendell S. Akers, Pharm.D., Ph.D. (PI; 5%)

Title: Role of Angiotensin II in Myocardial Ischemia-Reperfusion Injury.
Award: 2001 New Investigator Program
Sponsor: American Association of Colleges of Pharmacy
Amount: \$ 10,000
Date: 5/1/02 – 12/31/03
Role (% Effort): Wendell S. Akers, Pharm.D., Ph.D. (PI; 2%)
Title: Monitoring Hemostasis in the Cardiac/Cardiothoracic ICU

Award: Unrestricted Educational Grant
Sponsor: Aventis Pharmaceuticals
Amount: \$ 5,000
Date: 5/1/02 – 12/31/03
Role (% Effort): Wendell S. Akers, Pharm.D., Ph.D. (PI; 5%)

Title: Establishment of an Ex-Vivo Model of Myocardial Ischemia-Reperfusion Injury Using Human Atrial Trabeculae to Evaluate Cardioprotective Strategies.

Award: 2001 K30 Career Training Award
Sponsor: University of Kentucky K30 Clinical Research Training Program
Amount: \$ 5,000
Date: 7/01/02 – 12/31/02
Role (% Effort): Wendell S. Akers, Pharm.D., Ph.D. (PI; 5%)
Jeremy Flynn, Pharm.D. (K30 Fellow/Co-PI; 5%)

Title: Pilot Study on the Effects of Clopidogrel on Platelet Function and Postoperative Bleeding following Off-Pump Coronary Artery Bypass Surgery

Award: 2001 K30 Career Training Award
Sponsor: University of Kentucky K30 Clinical Research Training Program
Amount: \$ 5,000
Date: 7/01/02 – 6/30/04
Role (% Effort): Wendell S. Akers, Pharm.D., Ph.D. (Co-PI; 5%)
Jeremy D. Flynn, Pharm.D. (K30 Fellow/Co-PI; 10%)

Title: Angiotensin II Coupling to G-proteins in Rat Heart Tissue Sections.

Award: 2003 Medical Center Research Grant
Sponsor: UK Medical Center
Amount: \$15,000
Date: 7/1/03 – 6/30/04
Role (% Effort): Wendell S. Akers, Pharm.D., Ph.D. (Co-PI; 10%)

Title: Effects of Clopidogrel on Platelet Function Determined by the Rapid Platelet Function Analyzer in Patients Undergoing Off-Pump Coronary Artery Bypass Surgery.

Sponsor: Accumetrics, Inc.
Amount: \$ 5,000
Date: 8/1/03 – 6/30/05
Role (% Effort): Wendell S. Akers, Pharm.D., Ph.D. (PI; 5%)

Title: Regulation of Ras Signaling by Rlf in Hypertrophy.

Award: R01-HL075241
Sponsor: National Institutes of Health
Amount: \$1,589,616
Date: 12/1/03 – 11/30/08
Role (% Effort): Steve Post, M.D., Ph.D. (PI)
Wendell S. Akers, Pharm.D., Ph.D. (Co-I; 5%)

Title: The Effects of Aprotinin on Thrombin-Induced Proteolytic Cleavage of the Proteinase-Activated Receptor-1 (PAR-1) on Human Platelets.

Sponsor: Bayer Pharmaceuticals
Amount: \$14,300
Date: 1/1/04 – 12/31/04
Role (% Effort): Victor Ferraris, M.D., (PI)
Wendell S. Akers, Pharm.D., Ph.D. (Co-PI; 5%)

Title: Double-Blind Study of the Safety of Clopidogrel in Combination with Aspirin after Off-Pump Coronary Artery Bypass Surgery.
Award: USPHS #M01RR02602
Sponsor: UK General Clinical Research Center
Amount: \$ 20,290
Date: 2/1/04 – 6/30/05
Role (% Effort): Wendell S. Akers, Pharm.D., Ph.D. (PI; 10%)

Title: Effects of Clopidogrel on Graft Patency by Magnetic Resonance Imaging following Off-Pump Coronary Artery Bypass Surgery.
Sponsor: UK MRISC Grant
Amount: \$6,000
Date: 3/1/04 – 6/30/05
Role (% Effort): Wendell S. Akers, Pharm.D., Ph.D. (Co-PI; 5%)
Chand Ramaiah, M.D. (Co-PI)

Title: Differential Regulation of MAP Kinases and Protein Kinase B by Angiotensin II Subtype Receptors during Myocardial Ischemia-Reperfusion.
Award: Grant-in-Aid
Sponsor: American Heart Association, Ohio Valley Affiliate Grant-in-Aid
Amount: \$121,000
Date: 7/1/04 – 6/30/06
Role (% Effort): Wendell S. Akers, Pharm.D., Ph.D. (PI; 15%)

Title: Clinical Utility of the Rapid Platelet Function Analyzer
Sponsor: American College of Clinical Pharmacy
Amount: \$15,000
Date: 7/1/04 – 6/30/05
Role (% Effort): Jeremy D. Flynn, Pharm.D. (PI; 10%)
Wendell S. Akers, Pharm.D., Ph.D. (Co-PI; 5%)

Title: An open-label study assessing the pharmacokinetics and pharmacodynamics of a cangrelor bolus plus infusion in healthy volunteers.
Sponsor: The Medicines Company
Amount: \$353,400
Date: 1/01/05 – 12/31/06
Role (% Effort): Steven Steinhubl, M.D. (PI)
Wendell S. Akers, Pharm.D., Ph.D. (Co-PI; 10%)

Title: A Double Blind, Randomized Comparison Between Two Different Clopidogrel Maintenance Doses
Sponsor: UK General Clinical Research Center
Amount: \$2,520
Date: 9/01/05 – 1/01/07
Role (% Effort): John Holt, M.D. (PI)

Wendell S. Akers, Pharm.D., Ph.D. (Co-I; 2%); Platelet Function Laboratory support

Title: EMERALD-ACS
Sponsor: UK General Clinical Research Center
Amount: \$7,650
Date: 9/01/05 – 7/31/07
Role (% Effort): Debabrata Mukherjee, M.D. (PI)
Wendell S. Akers, Pharm.D., Ph.D. (Co-I; 2%); Platelet Function support

Title: A Pharmacodynamic Comparison of Prasugrel vs Clopidogrel in Subjects with ACS who have recently Undergone Percutaneous Coronary Intervention and are Receiving Clopidogrel
Sponsor: Eli Lilly and Company
Amount: \$177,786
Date: 9/01/05 – 1/01/08
Role (% Effort): Steven Steinhubl, M.D. (PI)
Wendell S. Akers, Pharm.D., Ph.D. (Co-I; 5%)

Title: The Effect of RB006 and RB007 on In Vitro Platelet Activation in Human Blood
Sponsor: Regado Biosciences
Amount: \$68,872
Date: 1/01/07 – 7/30/08
Role (% Effort): Wendell S. Akers, Pharm.D., Ph.D. (PI; 5%)

Title: The Cellular, Inflammatory, Oxidative, and Genomic Effects of Aluminum Oxide Nanoparticles on Blood and Endothelial Cells
Sponsor: UK Got Grants Program
Amount: \$22,020
Date: 7/01/06 – 6/30/07
Role (% Effort): Wendell S. Akers, Pharm.D., Ph.D. (Co-PI; 2%)

Title: The effects of P2Y12 polymorphisms on platelet receptor density and activation
Sponsor: UK General Clinical Research Center (USPHS #M01RR02602)
Amount: \$47,503.20
Date: 6/01/06 – 12/31/08
Role (% Effort): Julie Oestreich, Pharm.D. (Mentee)
Wendell S. Akers, Pharm.D., Ph.D. (Mentor)

Title: Champion PCI Study/Platelet Pharmacodynamic Substudy
Sponsor: The Medicines Company
Amount: \$163,632
Date: 7/01/07 – 4/01/09
Role (% Effort): Steven Steinhubl, M.D. (PI)
Wendell S. Akers, Pharm.D., Ph.D. (PI for Substudy; 5%)

Title: The effects of P2Y12 polymorphisms on platelet receptor density and activation.

Award: K30 Training Grant, Career Training in Therapeutics and Translational Research
Sponsor: General Clinical Research Center, University of Kentucky
Amount: \$5,000
Date: 1/01/06 – 12/31/06
Role: Julie Oestreich, Pharm.D., Ph.D.-Candidate (PI)
Mentor: Wendell S. Akers, Pharm.D., Ph.D.

Title: The effects of P2Y₁₂ polymorphisms on platelet receptor density and activation.

Award: Clinical Research Feasibility Funds Award
Sponsor: UK General Clinical Research Center (USPHS #M01RR02602)
Amount: \$16,000
Date: 7/10/07 – 3/31/08
Role: Julie Oestreich, Pharm.D., Ph.D.-Candidate (PI)
Mentor: Wendell S. Akers, Pharm.D., Ph.D.

Title: An in-vitro model of lipophilic drug sequestration in serum for drug toxicity

Award: 2013 Faculty Summer Grant
Sponsor: Provost's Office, Lipscomb University
Amount: \$12,920
Date: 6/1/2013 – 5/31/2014
Role: Wendell S. Akers, Pharm.D., Ph.D. (Co-PI)
Mike Fowler, Ph.D. (Co-PI)

Title: Enhancing Automation for Rapid Equilibrium Dialysis Experiments in Drug Sequestration Studies

Award: Gilson Program to Accelerate the Sciences – Equipment Grant
Sponsor: Gilson, Inc.
Amount: \$8,000
Date: 1/1/2014 – 12/31/2014
Role: Wendell S. Akers, Pharm.D., Ph.D. (PI)

Title: Potency Determination of an Ophthalmic Drug Product

Award: Research Contract
Sponsor: Designer Drugs, Inc.
Amount: \$2,005
Date: 1/1/15 – 12/31/2015
Role: Wendell Akers (PI)

Title: Toward a Mechanism-Based Approach to Treating Atrial Fibrillation

Award: R01 Renewal
Sponsor: NIH-NHLBI
Amount: \$300,000 Subcontract Scope: LC-MS/MS Analysis
Date: 5/15/2015 – 3/31/2020
Role: Bjorn Knollmann (PI); Wendell Akers (Co-I; Subaward PI)

Title: Long-term Potency and Stability of an Ophthalmic Drug Product

Award: Research Contract
Sponsor: Designer Drugs, Inc.

Amount: \$10,000
Date: 11/1/15 – 7/31/2017
Role: Wendell Akers (PI)

Title: Single and Multiple Ascending Dose Studies of 2-HOBA in Healthy Subjects following Oral Administration.

Award: Research Contract
Sponsor: Metabolic Technologies, Inc.
Amount: \$38,000
Date: 6/1/2017 – 12/31/2019
Role: Wendell Akers (Consultant)

Title: Novel Molecular Target in Atrial Fibrillation – 2-HOBA
Award: Strategically Focused Research Network in Atrial Fibrillation
Sponsor: American Heart Association
Amount: \$ 128,689
Date: 7/1/2018 – 6/30/2022
Role: Wendell Akers (Co-I; Subaward PI)

Title: High Dose Montelukast for Treatment of Asthmatic Exacerbations in Children

Award: VICTR Grant
Sponsor: Vanderbilt University
Amount: \$ 7,700
Date: 1/1/2019 – 5/31/2020
Role: Wendell Akers (Co-I)

Title: A Clinical Trial of RyR2 Inhibition to Prevent Ventricular Arrhythmias in Patients with Structural Heart Disease

Award: Strategically Focused Research Network in Sudden Cardiac Death
Sponsor: American Heart Association
Amount: \$ 170,415.40
Date: 7/1/2019 – 6/30/2023
Role: Wendell Akers (Co-I; Subaward PI)

Title: Safety, Pharmacokinetics and Efficacy of Oral Ifetroban in Subjects with Duchenne Muscular Dystrophy

Award: Research Contract
Sponsor: Cumberland Pharmaceuticals
Amount: \$28,360
Date: 9/1/2019– 8/31/2021
Role: Wendell Akers (Subaward PI)

Title: Novel Reactive Lipid Mediators Underlie the Emergence of AF Triggers in the posterior left atrium

Award: Strategically Focused Research Network
Sponsor: American Heart Association
Amount: \$22,814
Date: 7/1/2020 – 6/30/2022
Role: Wendell Akers (Co-I; Subaward PI)

Title: Pharmacokinetics and Cardiac RyR2 Inhibition of Verticilide in a Preclinical Mouse Model
Award: VUMC - Academic Sponsored Research Contract
Sponsor: NIH-NHLBI
Amount: \$5,834
Date: 8/1/2020 – 7/31/2021
Role: Jeffrey Johnston (PI); Wendell Akers (Co-I; Subaward PI)

Title: OAT Transporter Trafficking in Human Renal Proximal Tubule Cells
Award: Industry Sponsored Research Contract
Sponsor: Inotiv Inc.
Amount: \$13,636.16
Date: 10/1/2020 – 9/30/2021
Role: Wendell Akers (Co-I; Institutional PI)

Title: Dose escalation study of high-dose oral montelukast to inform future RCT in children with acute asthma exacerbations
Award: R34 PAR-19-155
Sponsor: NIH-NHLBI
Amount: *Pending (\$85,828)*
Date: *February 2021 Submission*
Role: Wendell Akers (Co-I; Subaward PI)

Title: Trial for repurposing montelukast for cardiac surgery-associated acute kidney injury (MONARCH)
Award: U01 PAR-18-332
Sponsor: NIH-NCATS
Amount: *Pending (\$266,187)*
Date: *February 2021 Submission*
Role: Wendell Akers (Co-I; Subaward PI)

Training Program Grants and Contracts

Title: Racial differences in antihypertensive response to beta-blockade.
Award: 1993 Genentech Cardiovascular Research Fellowship
Sponsor: American College of Clinical Pharmacy Research Institute
Amount: \$ 19,000 (7/1/93 – 6/30/94)
Date: 7/1/93 – 6/30/94
Role (% Effort): Wendell Akers, Pharm.D. (Co-I/Fellow; 75%)
Mentor: Julie A. Johnson, Pharm.D. (PI)

Title: Angiotensin II Regulates Cardiac Beta-Adrenergic Receptors in a Rat Model of Pressure-Overload.
Award: 1997 AFPE Fellowship
Sponsor: American Foundation of Pharmaceutical Education
Amount: \$ 6,000
Date: 5/1/97 – 4/30/98
Role (% Effort): Wendell Akers, Pharm.D. (Co-I/Graduate Student; 75%)
Mentor: Lisa A. Cassis, Ph.D. (PI)

Title: Role of the Cardiac Renin-Angiotensin System in Myocardial Ischemia-Reperfusion Injury.
Award: 2001 Bayer Critical Care Fellowship
Sponsor: American College of Clinical Pharmacy Research Institute
Amount: \$ 22,500
Date: 7/1/01 – 6/30/03
Role (% Effort): Wendell S. Akers, Pharm.D., Ph.D. (PI/Mentor)
Jeremy D. Flynn, Pharm.D. (Co-I/Fellow; 75%)

Title: Double-Blind Study of the Safety of Clopidogrel in Combination with Aspirin after OFF-Pump Coronary Artery Bypass Surgery.
Award: 2002 Ortho Biotech/Critical Care Outcomes Pharmacy Fellowship Program
Sponsor: Society of Critical Care Medicine
Amount: \$ 30,000
Date: 7/1/03 – 6/30/05
Role (% Effort): Post-doctoral Fellow (Co-I/Fellow; 75%)
Mentor: Wendell S. Akers, Pharm.D., Ph.D. (PI)

Title: Optimizing drug therapy in the cardiothoracic population.
Award: First-year graduate school scholarship
Sponsor: Phi Lambda Sigma-GlaxoSmithKline-American Foundation for Pharmaceutical Education
Amount: \$7,500
Date: 8/01/04 – 6/30/05
Role: Julie Oestreich, Pharm.D., Ph.D.-Candidate (PI)
Mentor: Wendell S. Akers, Pharm.D., Ph.D.

Title: The effects of P2Y12 polymorphisms on platelet receptor density and activation
Sponsor: Sigma Xi Scientific Research Society (Grant-in-Aid Program)
Amount: \$400
Date: 7/01/06 – 6/30/07
Role (% Effort): Julie Oestreich, Pharm.D. (PI)
Wendell S. Akers, Pharm.D., Ph.D. (Mentor)

Title: The effects of P2Y12 polymorphisms on platelet receptor density and activation
Sponsor: American Heart Association Predoctoral Fellowship
Amount: \$42,000
Date: 7/01/06 – 6/30/08
Role (% Effort): Julie Oestreich, Pharm.D. (PI)
Wendell S. Akers, Pharm.D., Ph.D. (Mentor)

Title: The effects of P2Y12 polymorphisms on platelet receptor density and activation
Sponsor: Sigma Xi Scientific Research Society (Grant-in-Aid Program)
Amount: \$1000
Date: 7/01/07 – 6/30/08
Role (% Effort): Julie Oestreich, Pharm.D. (PI)
Wendell S. Akers, Pharm.D., Ph.D. (Mentor)

Title: The Effect of RB006 and RB007 on In Vitro Platelet Activation in Human Blood
Award: AFPE Gateway Research Scholarship/PharmD Student
Sponsor: American Foundation for Pharmaceutical Education
Amount: \$5,000
Date: 7/01/07 – 6/30/08
Role (% Effort): Tyler Whisman, Pharm.D. (Student)
Wendell S. Akers, Pharm.D., Ph.D. (Mentor 3%)

Title: The effects of P2Y12 polymorphisms on platelet receptor density and activation.
Award: Graduate Student Incentive Program Fellowship
Sponsor: University of Kentucky
Amount: \$3,150
Date: 7/01/06 – 6/30/09
Role: Julie Oestreich, Pharm.D., Ph.D.-Candidate (PI)
Mentor: Wendell S. Akers, Pharm.D., Ph.D.

Title: The effects of P2Y12 polymorphisms on platelet receptor density and activation.
Award: Pre-doctoral Fellowship
Sponsor: American Foundation for Pharmaceutical Education
Amount: \$6,000 (declined fellowship – accepted AHA Predoctoral fellowship)
Date: 7/01/06 – 6/30/07
Role: Julie Oestreich, Pharm.D., Ph.D.-Candidate (PI)
Mentor: Wendell S. Akers, Pharm.D., Ph.D.

Title: Evaluating the genetic influence of P2Y12 and GP IIb/IIIa receptor polymorphisms on platelet response in healthy volunteers.
Award: Pre-doctoral Fellowship
Sponsor: PhRMA Foundation
Amount: \$21,000
Date: 7/01/08 – 6/30/09
Role: Julie Oestreich, Pharm.D., Ph.D.-Candidate (PI)
Mentor: Wendell S. Akers, Pharm.D., Ph.D.

Title: Hands-On Chemistry Program – Pharmaceutical Sciences
Award: Race To The Top Grant
Sponsor: Tennessee Higher Education Commission
Amount: \$10,000 (Subcontract of Primary Grant \$113,027)
Date: 9/01/11 – 8/31/12
Role: Ben Hutchinson and Deborah Boyd (Co-Directors)
Wendell Akers and Mike Fowler (Co-Coordiators)

Title: Training in Pharmacological Sciences
Award: T32 GM007628 Vanderbilt University
Sponsor: National Institutes of Health - NIGMS
Amount: (Renewal Submitted June 2012 - \$6,091,811)
Date: 7/01/14 – 6/30/19
Role: Joey Barnett (PI) (Training Slot for Pharm.D./Ph.D Student)
Wendell Akers (Affiliated Program Faculty- Partnership Program)

Title: Role of CYP3A5 in the Metabolism and Hepatotoxicity of Lapatinib and Sunitinib.
Award: K01 Mentored Research Scientist Award - 5K01CA190711
Amount: \$679,062
Sponsor: National Institutes of Health - NCI
Date: 9/01/14 – 8/31/19
Role: Klarissa Jackson (PI)
Wendell Akers (Project Mentor Team)

XVII. PUBLICATIONS

Johnson JA; **Akers WS**; Miller ST; Applegate WB. Lymphocyte beta 2-receptor activity, metoprolol kinetics, and response to metoprolol in hypertensive black men. *Pharmacotherapy* 15(2):150-157, 1995.

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Flynn JD, Pajoumand M, Camp PC, Jahania MS, Ramaiah C, **Akers WS**. Recombinant Activated Factor VIIa for refractory bleeding following orthotopic heart transplantation. *Ann Pharmacother* 38(10):1639-1642, 2004.

Oh JJ, Robon MJ, **Akers WS**. Optimizing antiplatelet and anticoagulant agents in the perioperative orthopedic surgery patient. *Orthopedics*. May;28(5):453-8, 2005.

Koziara JM, Oh JJ, **Akers WS**, Ferraris SP, Mumper RJ. Blood Compatibility of Cetyl Alcohol/Polysorbate-Based Nanoparticles. *Pharm Res* 22(11):1821-8, 2005.

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Yam FK, **Akers WS**, Ferraris VA, Smith K, Ramaiah C, Camp P, Flynn JD. Interventions to improve guideline compliance following coronary artery bypass grafting. *Surgery Oct;140(4):541-547*, 2006.

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XVIII. ABSTRACTS

Local Abstracts

Akers W; English V; Cross A; Cassis L. Enhanced cardiac neurotransmission in rat left ventricle following pressure-overload. University of Kentucky Gill Heart Research Institute Conference. A(51):26, 1998.

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State/Regional Abstracts

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