

Seth David Heldenbrand, Pharm. D.

PERSONAL INFORMATION

Business Address: University of Arkansas for Medical Sciences
College of Pharmacy
4301 West Markham St., Slot #522
Little Rock, Arkansas 72205
501-686-6392

E-mail: heldenbrandsethd@uams.edu

Licensure: Arkansas #8672

ACADEMIC APPOINTMENT

August 2016 – Present Associate Dean of Experiential Education
College of Pharmacy
University of Arkansas for Medical Sciences
Little Rock, Arkansas

May 2014 – August 2016 Assistant Dean of Experiential Education
College of Pharmacy
University of Arkansas for Medical Sciences
Little Rock, Arkansas

July 2013 – Present Associate Professor of Pharmacy Practice
College of Pharmacy
University of Arkansas for Medical Sciences
Little Rock, Arkansas

August 2007 – June 2013 Assistant Professor of Pharmacy Practice
College of Pharmacy
University of Arkansas for Medical Sciences
Little Rock, Arkansas

POST-GRADUATE EXPERIENCE

Pharmacy Practice Residency
June 2002 – July 2003 University Hospital

University of Arkansas for Medical Sciences
Little Rock, Arkansas
Director: Mike Parr, Pharm. D.

EDUCATION

Aug. 1993 – May 1997 University of Arkansas for Medical Sciences
College of Pharmacy
Little Rock, Arkansas
Doctor of Pharmacy

Aug. 1990 – May 1993 University of Central Arkansas
Conway, Arkansas
Pre-Pharmacy Curriculum

PROFESSIONAL PRACTICE EXPERIENCE

Administrative Experience

August 2016 – Present **Associate Dean of Experiential Education**
Office of Experiential Education
University of Arkansas for Medical Sciences
College of Pharmacy/University Hospital
Little Rock, Arkansas

May 2014 – August 2016 **Assistant Dean of Experiential Education**
Office of Experiential Education
University of Arkansas for Medical Sciences
College of Pharmacy/University Hospital
Little Rock, Arkansas

Clinical Experience

January 2008 – November 2011 **Clinical Pharmacy Specialist:** Solid Organ Transplant
Outpatient Kidney Transplant Clinic
University of Arkansas for Medical Sciences
College of Pharmacy/University Hospital
Little Rock, Arkansas

August 2007 – May 2014 **Clinical Pharmacy Specialist:** Solid Organ Transplant
University of Arkansas for Medical Sciences
College of Pharmacy/University Hospital
Little Rock, Arkansas

August 2007 – January 2012 **Clinical Pharmacy Specialist:** Solid Organ Transplant
Outpatient Liver Transplant Clinic
University of Arkansas for Medical Sciences
College of Pharmacy/University Hospital
Little Rock, Arkansas

August 2004 – June 2007 **Clinical Floor Pharmacist:** Bone Marrow Transplant
Staff Pharmacist: Inpatient Pharmacy
University of Arkansas for Medical Sciences
Inpatient Pharmacy, University Hospital
Little Rock, Arkansas

August 2002 – November 2011 **Clinical Pharmacy Specialist**
Anticoagulation Clinic
University of Arkansas for Medical Sciences
Inpatient Pharmacy, University Hospital
Little Rock, Arkansas

Other Experience
January 2000 – June 2002 **Staff Pharmacist: Pharmacist II**
University of Arkansas for Medical Sciences
Arkansas Cancer Research Center
Little Rock, Arkansas

March 2010 – September 2011 **Staff Pharmacist**
Wal-Mart Pharmacy (Maumelle Blvd)
Weekend Pharmacist (monthly)
Maumelle, Arkansas

November 1999 – December 2000 **Staff Pharmacist**
Kroger Pharmacy (McCain Blvd)
North Little Rock, Arkansas

April 1997 – November 1999 **Chief IV Pharmacist (05/1998-11/1999)**
Staff Pharmacist (04/1997-05/1998)
Central Pharmacy of Arkansas, LLC
Long-Term Care Pharmacy
Sherwood, Arkansas

May 1995 – August 1995 **Nuclear Pharmacy Intern**
Mallinckrodt Nuclear Pharmacy
San Francisco, California

TEACHING

College of Pharmacy

August 2016 – Present

Course Coordinator

Leadership Elective (special problems)
2 hour elective (14 students 2016)

January 2015 – Present

Course Coordinator

Entrepreneurship PhPr5752
2 hour elective (10 students 2016; 12 students 2015)
Team won Pruitt-Schutte National Competition

January 2014 – Present

Lecturer

Clinical Pharmacokinetics PhSc4642
1 hour (120 students)

January 2014 – Present

Business Plan Team Project Advisor

Entrepreneurship PhPr5752
Team made top 3 in the NCPA national competition

September 2012 – December 2012

Course Coordinator

Special Problems in Clinical Practice PhPr 5332
2 hour elective (1 student)

December 2011 – May 2014

Course Coordinator

Therapeutics III PhPr 5644 (~120 students)

January 2012 – May 2014

Lecturer

Therapeutics I PhPr 4625 (~120 students)
Lecture hours: 2012 (two), 2013 (one), 2014 (one)
Glomerulonephritis; Diuretics

November 2010 – November 2011

Lecturer

Drug Induced Disease Elective PrPh 5362 (~ 30 students)
Lecture hours: 2010 (one)
Nephrogenic Systemic Fibrosis

February 2008 – Present

Lecturer

Therapeutics III PhPr 5644; (~120 students)
Lecture hours: 2008 (four), 2009 (nine), 2010 (fourteen),
2011 (ten), 2012 (five), 2013 (five), 2014 (six)
*Introduction to Solid Organ Transplant and
Immunosuppression; Immunology I & II; Transplant
Rejection and the KDIGO Guidelines; Infectious Disease
Complications of Transplantation; Non-infectious
Complications of Transplantation; Cancer Pain; Cancer and*

Cancer Therapy; Bone Marrow Transplantation; Top U.S. Cancers I & II; Symptomatic Treatment of Cancer Complications I & II; Antineoplastics I & II

March 2012– May 2014

Residency Preceptor

Central Arkansas Veterans Healthcare System Pharmacy
Practice Residency
PGY2 Ambulatory Care Specialty Residency
Little Rock, Arkansas
Academic year: 2011-2012 (1 resident)

December 2010 – May 2014

Residency Preceptor

University of Arkansas for Medical Sciences
College of Pharmacy
Combined Masters In Public Health and PGY1 Practice
Residency (2 year residency)
Little Rock, Arkansas
Academic year: 2009-2010 (3 resident months); 2010-2011
(3 resident months)

March 2010 – May 2014

Residency Preceptor

Central Arkansas Veterans Healthcare System Pharmacy
Practice Residency
Little Rock, Arkansas
Academic year: 2010-2011 (2 residents); 2011-2012 (1
resident)

September 2009 – May 2014

Residency Preceptor

Arkansas Children's Hospital ASHP Pharmacy Practice
Residency
Little Rock, Arkansas
Academic year: 2009-2010 (1 resident)

August 2008 – Present

Small Group Facilitator

Pharmacy Practice 3422
Career Orientation and Communication

January 2008 – May 2014

Residency Preceptor

University Hospital
ASHP Pharmacy Practice Residency
Little Rock, Arkansas
Academic year: 2007-2008 (1 resident); 2008-2009 (3
residents); 2009-2010 (2 residents); 2010-2011 (3 resident
months); 2011-2012 (2 resident months), 2012-2013 (3
resident months)

February 2008 – May 2014	<i>Preceptor</i> Pharmacy Practice 6614; Acute Care Advanced Pharmacy Practice Experience, Adult Medicine Rotation, Solid Organ Transplantation Academic year: 2007-2008 (3 students); 2008-2009 (16 students); 2009-2010 (16 students); 2010-2011 (16 students)
January 2007 – May 2014	<i>Facilitator</i> Acute Care Adult Medicine Conference Facilitator for weekly patient specific discussions for all students on acute care rotations
January 2002 – May 2003	<i>Facilitator</i> Pharmacy Practice: PPHR 4625 Therapeutics I Recitation Leader Facilitator for weekly case discussions
August 2002 – December 2002	<i>Facilitator</i> Pharmacy Practice: PPHR 4625 Therapeutics II Recitation Leader Facilitator for weekly case discussions

RESEARCH EXPERIENCE

August 2015 - July 2016	Evaluating the impact of APPE rotations on pharmacy students' attitudes on perceptions toward interprofessional practice Cora Housley, PharmD, Rebecca Shilling, PharmD Candidate 2017, <u>Seth Heldenbrand, PharmD</u> , Nalin Payakachat, PhD, Ashley Castleberry, PharmD, MAEd, Schwanda Flowers, PharmD, Drayton Hammond, PharmD, MBA, BCPS, BCCCP
June 2015 – Present	Review of Smartphone Medication Adherence Apps for Features, Functionality, and Level of Health Literacy Followed by Launch of a Searchable Medication Adherence App Website <u>Seth Heldenbrand, Pharm.D.</u> , Lindsey Dayer, Pharm.D., Becky Shilling, Pharm.D. Candidate 2017, Madalyn Vanvalkenburg, Pharm.D. Candidate 2018, Paul Gubbins, Pharm.D., Brad Martin, Pharm.D., Ph.D.
May 2015 – Present	Multiple Mini-Interview Performance Correlation with Advanced Pharmacy Practice Experience Performance, Summative Exam Scores, and Didactic Pharmacy School GPA

- Seth Heldenbrand, Pharm.D.**, Brad Martin, Pharm.D., Ph.D., Kelsey Willis, Pharm.D. Candidate 2018, Ashley Castleberry, Pharm.D., Janna Hawthorne, Pharm.D., Morgan Ramey, Pharm.D. Candidate 2016, Schwanda Flowers, Pharm.D.
- June 2014 – May 2015 Review of Online Marketplaces and Testing of Smartphone Medication Adherence Apps for Features, Functionality, and Level of Health Literacy
Seth Heldenbrand, Pharm.D., Lindsey Dayer, Pharm.D., Catie Renna, Pharm.D. Candidate 2016, Becky Shilling, Pharm.D. Candidate 2017, Paul Gubbins, Pharm.D., Brad Martin, Ph.D.
- Sept. 2013 – June 2016 Multivariate Analysis of the Multiple Mini-Interview as a Predictor of Academic Difficulty In the Pharm.D. Curriculum
Seth Heldenbrand, Pharm.D., Bryan Bordelon, Pharm.D., Schwanda Flowers, Pharm.D., Paul Gubbins, Pharm.D., Brad Martin, Ph.D.
- February 2013 – June 2013 Predictors of Academic Difficulty: GPA, PCAT and Multiple Mini-Interview All Predict Academic Difficulty In the PharmD Curriculum
Seth Heldenbrand, Pharm.D., Schwanda Flowers, Pharm.D., Cindy Stowe, Pharm.D., Paul Gubbins, Pharm.D., Brad Martin, Ph.D.
- Nov. 2012 – March 2012 Review of Smartphone Medication Adherence App Online Marketplaces
Lindsey Dayer, Pharm.D. **Seth Heldenbrand, Pharm.D.**, Paul Anderson, Paul Gubbins, Pharm.D., Brad Martin, Ph.D.
- July 2012 – July 2016 Efficacy and Safety of Valganciclovir for Prevention of Cytomegalovirus Disease in Moderate-risk Renal Transplant Recipients: A Multi-center, Retrospective Analysis
Principal Investigator: **Seth Heldenbrand, Pharm.D.**
Co-Investigator: Steven Gabardi, Pharm.D., BCPS
- March 2012 – 2013 Do Smartphone ‘Apps’ Improve Antihypertensive Adherence & Blood Pressure Control?
Co-Investigator and mentor: **Seth Heldenbrand, Pharm.D.**
Principal Investigator: Lindsey Dayer, Pharm.D.
- Sept 2011 – June 2012 Direct to Consumer Coupon Culture and the Pharmacist as Intermediary.
Co-Principle Investigator: **Seth Heldenbrand, Pharm.D.**
Principle Investigator: Qayyim Said, Ph.D.
Co-Principle Investigator: Karen M Hood, Ph.D.

- May 2011 – June 2013 Retrospective Evaluation and Comparison of Brand Name Prograf® and Generic Tacrolimus in Hospitalized and Ambulatory Liver and Kidney Transplant Recipients at UAMS.
Principle Investigator: **Seth Heldenbrand, Pharm.D.**
- October 2009 – June 2010 Evaluation of the Transplant Medication Education Process: A Look at Patient Self-efficacy and Satisfaction in the Transplant Setting.
Principal Investigator and mentor: **Seth Heldenbrand, Pharm.D.**
Co-Investigator: Lindsey Turnbow, Pharm.D.
- July 2002 – June 2003 A Retrospective Analysis of the Relationship between the Administration of Trastuzumab and the Incidence of Brain Metastases in Women with Primary Carcinoma of the Breast.
Principal Investigator: **Seth Heldenbrand, Pharm.D.**
- June – August 1995 The Viability of Radio-labeled Human White Blood Cells: An Examination of Cell Function and Survival. Principle Investigator: Brian Nguyen, Pharm.D. Co-Investigator: **Seth Heldenbrand.**
Mallinckrodt Nuclear Pharmacy, San Francisco, California

GRANTS

Unfunded

Development of a Behavioral App for Improving Medication Adherence

Peters T, Medactionplan.com, LLC (PI), Martin B (PI), **Heldenbrand S** (Co-I), Payakachat N (Co-I)

Submitted 12/2013 to NIH STTR Funding (\$149,533)

Do Smartphone 'Apps' Improve Antihypertensive Adherence & Blood Pressure Control?

Dayer L (PI), **Heldenbrand S (Co-I)**, Martin B (Co-PI), Gubbins PO (Co-I), Anderson P (Co-I), Wei F (Co-I) Submitted to NIH R21 Funding (\$399,793.00)

The Influence of Cancer on Hypertension, Diabetes, and Hyperlipidemia Control

Martin B (PI), Dayer L (Co-I), **Heldenbrand S (Co-I)**, Gubbins PO (Co-I), Wei F (Co-I)

Submitted to UAMS TRI Funding (\$25,000.00)

PUBLICATIONS

Refereed Publications

Case Reports

Gaurav S, **Heldenbrand S**, Duarte-Rojo, A. Seizures as a potential complication of treatment with simeprevir and sofosbuvir. *Am J Ther.* 2014 Dec

Original Research

Heldenbrand S, Li, Chengui, Steven Gabardi, PharmD¹, Rosemary P Cross, PharmD¹, Kelly A DePiero, PharmD¹, Travis B Dick, PharmD¹, Kara Ferguson, PharmD¹, Erin Newkirk, PharmD¹, Jeong M Park, PharmD¹, Eric Tichy, PharmD¹, Kimi R Ueda, PharmD¹, Renee R Weng, PharmD¹ Multicenter Evaluation of Efficacy and Safety of Valganciclovir 450mg/day vs. 900 mg/day for Prevention of Cytomegalovirus Disease in Donor Positive and Recipient Positive (D+/R+) Renal Transplant Recipients. *Transplant Infectious Diseases*: ePub ahead of print August 2016

Heldenbrand S, Martin B, Gubbins PO, Hadden K, Renna C, Shilling R, Dayer L. Assessment of medication adherence apps' features, functionality, health literacy level and the creation of a web-based adherence app resource for health care professionals and patients. *J Am Pharm Assoc* 2016 Apr 7

Heldenbrand S, Flowers S, Bordelon, B, Gubbins PO, O'Brien C, Stowe, C and Martin B. Multiple Mini-Interview Performance Predicts Academic Difficulty in the Pharm.D. Curriculum. *Am J Pharm Edu* Mar 2016 25; 80(2): 27

Dayer L, **Heldenbrand S**, Gubbins PO, Anderson P, Martin B. Review of mobile adherence technologies aimed at improving patient adherence to medications. *J Am Pharm Assoc.* 2013;53:172-181

Review Articles

Doyle I, Maldonado A, **Heldenbrand S**, Tichy E, Trofe-Clark J. Non-adherence to therapy after adult solid organ transplantation: A focus on risk and mitigation strategies. *Am J Health-Sys Pharm* 2016, 73(12):909-920

Gubbins PO, **Heldenbrand S**. Clinically Relevant Drug Interactions of Current Antifungal Agents. *Mycoses.* 2009 Dec; 53, 95–113

Warmack SC, Estes M, **Heldenbrand S**, Franks A. β -Adrenergic Antagonists in Hypertension: A Review of the Evidence. *Ann Pharmacother.* 2009 Dec;43(12):2031-43

Non-Refereed Publications

Editorials

Heldenbrand S. Focus on electronic-based technology: Medication adherence in solid organ transplant recipients. *Pharmacy Practice News.* May 2014; 41:5; 18

Letters

Dayer L, **Heldenbrand S**, Gubbins PO, Anderson P, Martin B. Smartphone medication adherence apps: Potential benefits to patients and providers: Response to Aungst. *J Am Pharm Assoc.* 2013;53:4; 345

Manuscripts In-progress

Heldenbrand S, Li, Chengui, Steven Gabardi, PharmD¹, Rosemary P Cross, PharmD¹, Kelly A DePiero, PharmD¹, Travis B Dick, PharmD¹, Kara Ferguson, PharmD¹, Erin Newkirk, PharmD¹, Jeong M Park, PharmD¹, Eric Tichy, PharmD¹, Kimi R Ueda, PharmD¹, Renee R Weng, PharmD¹ Multicenter Evaluation of Efficacy and Safety of Valganciclovir 450mg/day vs. 900 mg/day for Prevention of Cytomegalovirus Disease in Donor Positive and Recipient Positive (D-/R+) Renal Transplant Recipients.

Flowers S, **Heldenbrand S**, B, Gubbins PO, O'Brien C, Stowe, C and Martin B. Multiple Mini-Interview Performance Correlates with APPE performance
In Progress

Lindsey D, Martin B, Gubbins PO, Shilling B, Vanvalkenburg M, and **Heldenbrand S**
There Are Too Many Apps for That: Medication Adherence
In Progress

ARTICLES REFEREED

- | | |
|---------------|---|
| May 2015 | A prospective randomized trial on the effect of using an electronic monitoring drug dispensing device to improve adherence and compliance
<i>American Journal of Transplantation</i> |
| December 2014 | Nonadherence in kidney transplant recipients: can technology help?
<i>American Journal of Transplantation</i> |
| November 2012 | Polymyositis in solid organ transplant recipients
<i>American Journal of Transplantation</i> |

ABSTRACTS AND PRESENTATIONS

Abstracts

- | | |
|-----------|--|
| July 2016 | Seth Heldenbrand, PharmD , Nalin Payakachat, PhD, Ashley Castleberry, PharmD, MAEd, Schwanda Flowers, PharmD, Drayton Hammond, PharmD, MBA, BCPS, BCCCP |
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Evaluating the impact of APPE rotations on pharmacy students' attitudes on perceptions toward interprofessional practice
Cora Housley, PharmD, Rebecca Shilling, PharmD Candidate 2017,

March 2016

Seth Heldenbrand, Pharm.D., Lindsey Dayer, Pharm.D., Becky Shilling, Pharm.D. Candidate 2017, Madalyn Vanvalkenburg, Pharm.D. Candidate 2018, Paul Gubbins, Pharm.D., Brad Martin, Pharm.D., Ph.D.

There are too many apps for that: Medication Adherence
APhA Annual 2016 meeting Baltimore, MD

September 2015

Seth Heldenbrand, Pharm.D., Lindsey Dayer, Pharm.D., Becky Shilling, Pharm.D. Candidate 2017, Madalyn Vanvalkenburg, Pharm.D. Candidate 2018, Paul Gubbins, Pharm.D., Brad Martin, Pharm.D., Ph.D.

There are too many apps for that: Medication Adherence
AAHP Fall Seminar Little Rock, AR

April 2015

Lanita White, Pharm.D., Kathryn Neill, Pharm.D., **Seth Heldenbrand, Pharm.D.**, Lee Wilbur, MD

Creating an Interprofessional Triple Aim Curriculum
Poster presented at the Society of Teachers of Family Medicine 2015 Annual Spring Conference, Orlando FL

March 2015

Seth Heldenbrand, Pharm.D., Lindsey Dayer, Pharm.D., Catherine Renna, Rebecca Shilling, Bradley C. Martin, PharmD, PhD
Navigating the Flooded Adherence App Marketplace: Rating the Quality of Medication Adherence Apps
Poster Presented at the APhA National Meeting 2015, San Deigo, CA

July 2014

Seth Heldenbrand, Pharm.D., Brian Bordelon, Pharm.D. Schwanda Flowers, Pharm.D., and Brad Martin, Ph.D. Multivariate Analysis of the Multiple Mini-Interview as a Predictor of Academic Difficulty In the Pharm.D. Curriculum. Poster Presented at the AACP National Meeting, Grapevine, TX

July 2013

Seth Heldenbrand, Pharm.D., Schwanda Flowers, Pharm.D., Paul O Gubbins, Pharm.D., Cindy Stowe, Pharm.D., and Brad Martin, Ph.D.

Predictors of Academic Difficulty In a Pharm.D. Curriculum
Poster Presented at the AACP National Meeting, Chicago, IL

May 2013

Qyaaaim Said, Ph.D., Karen Hood, Ph.D, **Seth Heldenbrand,**

Pharm.D.

Prescription Drugs and Discounts: The Pharmacist's View
Poster Presented at ISPOR 18th Annual International Meeting May, 2013, New Orleans, LA

May 2013

Steven Gabardi, PharmD¹, Rosemary P Cross, PharmD¹, Kelly A DePiero, PharmD¹, Travis B Dick, PharmD¹, Kara Ferguson, PharmD¹, Erin Newkirk, PharmD¹, Jeong M Park, PharmD¹, Eric Tichy, PharmD¹, Kimi R Ueda, PharmD¹, Renee R Weng, PharmD¹
and Seth Heldenbrand, PharmD¹

Multicenter Evaluation of Efficacy and Safety of Valganciclovir 450mg/day vs. 900 mg/day for Prevention of Cytomegalovirus Disease in Donor and Recipient Positive (D+/R+) Renal Transplant Recipients.

Presented as an Oral Presentation in Concurrent Session 12: Cytomegalovirus and other viruses at the American Transplant Congress 2013 *Seattle, WA*

Steven Gabardi, PharmD¹, Rosemary P Cross, PharmD¹, Kelly A DePiero, PharmD¹, Travis B Dick, PharmD¹, Kara Ferguson, PharmD¹, Erin Newkirk, PharmD¹, Jeong M Park, PharmD¹, Eric Tichy, PharmD¹, Kimi R Ueda, PharmD¹, Renee R Weng, PharmD¹
and Seth Heldenbrand, PharmD¹

"Prevention of Cytomegalovirus with Valganciclovir 450mg Daily vs. 900mg Daily in Intermediate Risk Renal Transplant Recipients (D-/R+); a Multicenter Safety and Efficacy Evaluation"

Presented as a Poster Presentation at the American Transplant Congress 2013 *Seattle, WA*

July 2012

Gubbins PO, Schneider EF, Carle MH, Neill KK, Jones KM, Warmack TS, **Heldenbrand S** "Students' Assessment of Whether Report Cards Provide Valuable Feedback on Their Exam Performance" presented at the 2012 AACP Annual Meeting in Kissimmee, FL [Abstract]. 113th Annual Meeting of the American Association of Colleges of Pharmacy, Kissimmee, FL, July 14-18, 2012. Am J Pharm Ed 2012; 76 (5): Article 99.

May 2012

Extended Comparison of Therapeutic Treatment Outcomes of *de novo* Liver and Kidney Transplant Recipients with Generic Tacrolimus (Sandoz™) or Brand Name (Prograf®)

Seth Heldenbrand, Pharm.D., Gavin Jones, Ph.D., Joshua Bornhorst, Ph.D., Nalin Payakachat, Ph.D. *Am J Transplant.* 2012 Supplement 3 Vol 12:240

Presented at the American Transplant Congress 2012 *Boston, MA*

- October 2011 Five-month Observational Control Trial of Generic Versus Brand Name Tacrolimus in UAMS Solid Organ Transplant Recipients
Gavin Jones, Ph.D., **Seth Heldenbrand, Pharm.D.**, Nalin Payakachat, Ph.D., Joshua Bornhorst, Ph.D.
Awarded 1st Place in Poster Competition
2011 AAHP Annual Meeting and Seminars, Little Rock, AR
- August 2010 Evaluation of Patient Satisfaction and Self-Efficacy After Medication Education Following Solid Organ Transplantation
Seth Heldenbrand, Pharm.D., Lindsey Turnbow, Pharm.D., Nalin Payakachat, Ph.D.
2010 ACCP Annual Meeting and Seminars, Austin TX
- March 2010 Development and implementation of a high-stakes objective structured clinical examination (OSCE)-based senior summative examination
Cindy D. Stowe; Eric F. Schneider; Jeremy L. Thomas; Phillip J Breen; Denise Ragland; **Seth D Heldenbrand**; Jan K. Hastings; Stephanie F. Gardner.
2010 AACP Annual Meeting and Seminars, Seattle, WA
- Invited Presentations
- September 2014 Medication Adherence Aids for Underserved Populations
Presented to the Nursing Managers of Community Health Centers
- July 2014 Medication Adherence Aids of Yesterday, Today, and Tomorrow
Presented at the Arkansas Department of Health
- December 2013 Patient and Family Centered Care and the UAMS Employee Evaluation Process
Presented at the graduation of the Leadership Institute 2013
- December 2013 Medication Adherence Tools In the Challenging Transplant Recipient Live Webinar broadcasted by the American Society of Transplantation
www.a-s-t.org
- Other Presentations
- July 2014 Teaching Advanced Pharmacy Practice Experiential Students
Presented to the UAMS Teaching Certificate Program
Little Rock, Arkansas
- February 2013 Transplant Pharmacy and Organ Donation and Awareness: Past, present and future

- Presented to the UAMS Society of Student Hospital Pharmacists Organization
Little Rock, Arkansas
- August 2012 Interdisciplinary Education: How Pharmacists Can Lead The Way
Presented to the UAMS Residency Teaching Certificate Program
Little Rock Arkansas
- August 2012 Assessing Student SOAP Notes
Presented to the UAMS Residency Teaching Certificate Program
Little Rock, Arkansas
- October 2011 Comparison of Brand and Generic Tacrolimus in Renal and Hepatic
Transplant Recipients at UAMS: Preliminary Data
UAMS College of Pharmacy Seminar Series
Arkansas State Board of Pharmacy approved live CE
Presented to UAMS Healthcare Professionals and Students in
Attendance
Little Rock, Arkansas
- August 2011 Transplant Medications and How to Pay for Them
American Association of Kidney Patients National Meeting
Presented to Attendees of the 2011 AAKP National Meeting
Little Rock, Arkansas
- July 2011 Interdisciplinary Education: How Integration Leads to Team
Education
Presented to the UAMS Residency Teaching Certificate Program
Little Rock, Arkansas
- May 2011 Hepagam HBIG for Prevention of Hepatitis B Recurrence Following
Orthotopic Liver Transplantation: The Differences From NabiHB
Presented to the UAMS Liver Transplant Conference
Division of Transplant
Little Rock, Arkansas
- January 2010 Effectiveness and Expense of Atovaquone for PCP Prophylaxis in
Liver Transplant Patients
Presented to the UAMS Liver Transplant Conference
Division of Transplant
Little Rock, Arkansas
- January 2010 Reducing Medication Errors through Changes in Practices with Our
Electronic Medication Records
Presented to the UAMS Solid Organ Transplant Team
2010 UAMS Transplant Retreat

Division of Transplant
Little Rock, Arkansas

March 2009
Transplant Immunology and Immunosuppression for Surgical Residents
Presented to UAMS surgical residents and anesthesia interns
Department of Surgery Basic Science Conference
Little Rock, Arkansas

March 2008
A Review of Immunosuppressants
Presented to the Arkansas Organ Recipient Support Group
Conway, Arkansas

Continuing Education Programs

October 2014
Making the Most Out of Experiential Education
Arkansas Association of Hospital Pharmacists
Certified CNE (1 hour)
Little Rock, Arkansas

July 2013
Transplant Immunosuppression
UAMS Transplant and Floor Nurses
Certified CNE (1 hour)
Co-presenters Kayla Rudolph and Helen Chang
Little Rock, Arkansas

April 2012
“Transplant for Dummies”
Arkansas State Board of Pharmacy approved live CE
VA Grand Pharmacy Rounds
Presented to VA and UAMS pharmacist and technicians
Little Rock, Arkansas

September 2011
Belatacept: A novel primary immunosuppressant for kidney transplant recipients
Arkansas State Board of Pharmacy approved live CE
Presented to UAMS pharmacists and technicians
Little Rock, Arkansas

August 2010
Common causes of end-stage liver disease and the role of transplantation
Arkansas State Board of Pharmacy approved live CE
Presented to UAMS pharmacists and technicians by a fourth year pharmacy student on my rotation
Little Rock, Arkansas

Common causes of end-stage renal disease and the role of transplantation
Arkansas State Board of Pharmacy approved live CE
Presented to UAMS pharmacists and technicians by a fourth year pharmacy student on my rotation
Little Rock, Arkansas

November 2008

Pharmacokinetic Changes in the Elderly
UAMS Pharmacy CE Department
Arkansas State Board of Pharmacy approved live CE
Presented to a large group of consultant pharmacist
Little Rock, Arkansas

August 2008

Introduction to Solid Organ Transplant and Immunosuppression
VA Pharmacy Grand Rounds
Arkansas State Board of Pharmacy approved live CE
Presented to VA, UAMS, and other central Arkansas pharmacists
Little Rock, Arkansas

University In-services

September 2011

Belatacept: Selective T-Cell Costimulation Blocker and its impact on organ transplantation
Presented to E7 transplant nurses and transplant coordinators by a fourth year pharmacy student on my rotation

July 2010

A review Good Pasture's syndrome
Presented to E7 transplant nurses and transplant coordinators by a fourth year pharmacy student on my rotation

A review of Alport's syndrome
Presented to E7 transplant nurses and transplant coordinators by a fourth year pharmacy student on my rotation

June 2010

Primary sclerosing cholangitis
Presented to E7 transplant nurses and transplant coordinators by a fourth year pharmacy student on my rotation

Primary biliary cirrhosis
Presented to E7 transplant nurses and transplant coordinators by a fourth year pharmacy student on my rotation

January 2010

UAMS transplant immunosuppression protocols
Presented to H4 ICU nurses by a fourth year pharmacy student on my rotation

September 2009	Transplant anti-infectives Presented to E7 transplant nurses and transplant coordinators by a fourth year pharmacy student on my rotation
July 2009	Immunosuppression protocol for liver and kidney patients Presented to E7 transplant nurses and transplant coordinators by a fourth year pharmacy student on my rotation
April 2009	The importance of adherence in transplant patients Presented to E7 transplant nurses and transplant coordinators by a fourth year pharmacy student on my rotation
October 2008	Common pathogens post solid organ transplantation Presented to A7 transplant nurses and transplant coordinators by a fourth year pharmacy student on my rotation
August 2008	Toxicities of immunosuppressant and anti-infective agents Presented to A7 transplant nurses and transplant coordinators by a fourth year pharmacy student on my rotation

PROFESSIONAL SERVICE

National Level

July 2013 – June 2015	UAMS American Association of Colleges of Pharmacy Delegate (elected / 2-year term)
April 2012 – Present	Organ Donation Awareness Committee American Society of Transplantation Transplant Pharmacist Community of Practice
April 2012 – Present	ATC Pharmacist Roadmap Committee American Society of Transplantation Transplant Pharmacist Community of Practice
September 2011 – Present	Technology and Information Committee American Society of Transplantation Transplant Pharmacist Community of Practice
September 2011 – Present	Professional Workgroup Committee American Society of Transplantation Transplant Pharmacist Community of Practice
June 2009 – Present	Community of Practice of Transplant Pharmacist American Society of Transplantation

State Level

October 2016 – Present

Arkansas Regional Organ Recovery Agency
Chairman of the Board
ARORA Board of Directors
Little Rock, Arkansas

August 2013 – October 2016

Arkansas Regional Organ Recovery Agency
Board Member
Little Rock, Arkansas

November 2007 – June 2009

Arkansas Medicaid Drug Review Committee
Appointed by the Chair of Pharmacy Practice
University of Arkansas for Medical Sciences
Little Rock, Arkansas

University Level

March 2015 – Present

UAMS Interprofessional Education Curriculum Pillar Team
University of Arkansas for Medical Sciences
Little Rock, Arkansas

July 2015 – October 2015

UAMS Interprofessional Education Collaboration
Committee
Co-chair of subcommittee
University of Arkansas for Medical Sciences
Little Rock, Arkansas

October 2014 – February 2015

UAMS Interprofessional Education Pilot Subcommittee
Chair of subcommittee
University of Arkansas for Medical Sciences
Little Rock, Arkansas

December 2013 - Present

UAMS Interprofessional Education Steering Committee
Appointed by the Dean of the College of Pharmacy
University of Arkansas for Medical Sciences
Little Rock, Arkansas

August 2011 – Present

UAMS Medication Reconciliation Committee
Appointed by the Dean of the College of Pharmacy
University of Arkansas for Medical Sciences
Little Rock, Arkansas

October 2011 – Present

UAMS Readmissions Committee
Appointed by the Dean of the College of Pharmacy
University of Arkansas for Medical Sciences
Little Rock, Arkansas

July 2011 – September 2012	UAMS Discharge Pathway Improvement Committee Appointed by the Dean of the College of Pharmacy University of Arkansas for Medical Sciences Little Rock, Arkansas
March 2011 – September 2011	UAMS Physicians Assistant Chair Search Committee Appointed by the Dean of the College of Pharmacy University of Arkansas for Medical Sciences Little Rock, Arkansas
September 2010	Inaugural Interprofessional Education Series Panelist and Facilitator Appointed by the Dean of the College of Pharmacy University of Arkansas for Medical Sciences Little Rock, Arkansas
July 2009 – June 2011	UAMS House of Delegates UAMS College of Pharmacy Representative University of Arkansas for Medical Sciences Little Rock, Arkansas
August 2008 – July 2009	Academic Senate UAMS College of Pharmacy Representative University of Arkansas for Medical Sciences Little Rock, Arkansas
July 2002 – June 2003	University Hospital Pharmacy & Therapeutics Committee University of Arkansas for Medical Sciences Little Rock, Arkansas
<u>College Level</u> July 2012 – June 2015	Curriculum Committee (chair) UAMS College of Pharmacy University of Arkansas for Medical Sciences Little Rock, Arkansas
March 2012 – Present	Teaching Certificate Program Portfolio Review Committee University of Arkansas for Medical Sciences Little Rock, Arkansas
July 2011 – Present	Admissions Committee Department of Pharmacy Practice Representative University of Arkansas for Medical Sciences Little Rock, Arkansas
September 2008 – Present	Assessment Committee

Department of Pharmacy Practice Representative
University of Arkansas for Medical Sciences
Little Rock, Arkansas

June 2012 – Present

Social Chair
Department of Pharmacy Practice
University of Arkansas for Medical Sciences
Little Rock, Arkansas

Department Level

2007 – Present

Evaluator and Case Writer
Pharmaceutical Care Encounters Program (PCEP)
University of Arkansas for Medical Sciences
Little Rock, Arkansas

POST-GRADUATE PROFESSIONAL DEVELOPMENT

January 2013 – December 2013

Leadership Institute 2013
University of Arkansas for Medical Sciences
Little Rock, Arkansas

August 2012 – Present

Immunization Certification
Arkansas Pharmacist Association and Arkansas State
Board of Pharmacy

July 2009 – May 2010

College of Pharmacy Teaching Certificate Program
Director: Amy Franks, Pharm. D.

PROFESSIONAL ORGANIZATIONS

January 2010 – Present

American Association of Colleges of Pharmacy

January 2007 – Present

American College of Clinical Pharmacy

January 2007 – Present

American Society of Transplantation

January 1998 – Present

Arkansas Pharmacist Association

January 1998 – Present

American Pharmaceutical Association

June 1997 – Present

American Society of Health-System Pharmacist

HONORS/AWARDS

- October 2015
National Community Pharmacist Association
Winner of the National Good Neighbor Pharmacy NCPA
Pruitt-Schutte Student Business Plan Competition
Co-Advisor
NCPA National Meeting National Harbor, Maryland
- July 2015
National Community Pharmacist Association
Top 3 of the National Pruitt-Schutte Student Business Plan
Competition
Co-Advisor
ACCP Annual Meeting National Harbor, Maryland
- July 2015
American Society of Transplantation
Winner of the National Organ Donation Awareness
Challenge
Presented at the World Transplant Congress 2015
Philadelphia, Pennsylvania
- February 2015
National Association of Community Pharmacists
Top 10 of the National Pruitt-Schutte Student Business Plan
Competition
Co-Advisor
ACCP Interim Meeting 2015 Austin, Texas
- July 2014
American Society of Transplantation
Winner of the National Organ Donation Awareness
Challenge
Presented at the World Transplant Congress 2014
San Francisco, California
- May 2013
American Society of Transplantation
Winner of the National Organ Donation Awareness
Challenge
Presented at the American Transplant Congress 2013
Seattle, Washington
- May 2012
Pharmacy Practice Outstanding Faculty of the Year Award
(voted on by the fourth year pharmacy students)
- March 2012
Finalist: Jonathan and Donna Wolf Outstanding Faculty
Award
Voted on by UAMS College of Pharmacy Faculty
Runner up

March 2012	American Pharmacist Association & Pharmacy Today One-to-One Patient Counseling Recognition Award Honorable Mention, 2012 APhA Annual Meeting, New Orleans, Louisiana
September 2011	<u>Awarded 1st Place in Poster Competition</u> 5 month Observational Control Trial of Generic versus Brand Name Tacrolimus in UAMS Solid Organ Transplant Recipients <i>2011 AAHP Annual Meeting and Seminars, Little Rock, AR</i>
March 2011	Finalist: Jonathan and Donna Wolf Outstanding Faculty Award Voted on by UAMS College of Pharmacy Faculty <i>Runner up</i>
May 1997	Patient Counseling Competition: Honorable Mention Awarded during Convocation by the UAMS College of Pharmacy Department of Pharmacy Practice

LICENSURE AND CERTIFICATIONS

October 2009 -- Present	HIPAA Required Privacy & Security Training
September 2009 -- Present	Collaborative Institutional Training Initiative (CITI) Biomedical Research, Basic Course
September 2009 -- Present	Collaborative Institutional Training Initiative (CITI) Students conducting no more than minimal risk research, Basic Course
January 2009 – Present	Pharmacist Disease State Management Certification Arkansas State Board of Pharmacy
September 2002	Building Bridges Employee Management Seminar
July 2002 – Present	American Heart Association Basic Life Support (CPR & AED)
May 1997	Doctor of Pharmacy University of Arkansas for Medical Sciences College of Pharmacy