

John S. Clark, Pharm.D., M.S., BCPS, FASHP

PERSONAL INFORMATION

RESIDENCE:

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OFFICE:

Department of Pharmacy Services
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UH B2D301/5008
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johnclar@umich.edu

EDUCATION

Master of Science, Health-System Pharmacy Administration (Pharmacy)

University of Wisconsin School of Pharmacy
August 2002

Doctor of Pharmacy

University of Toledo College of Pharmacy
May 2000

Bachelor of Science in Pharmaceutical Sciences

University of Toledo College of Pharmacy
May 1998

CERTIFICATION

Board Certified Pharmacotherapy Specialist

Board of Pharmacy Specialties
Expires 2017

FELLOWSHIP

Fellow

American Society of Health-System Pharmacists
June 2012

HOSPITAL PRACTICE

Director of Pharmacy Services

University of Michigan Hospitals and Health Centers (September 2011-present)

- Reorganization of the pharmacy department creating teams of clinical pharmacist specialists and clinical pharmacist generalists
- New Children's and Women's Hospital Pharmacy Service (4 Pharmacy locations)
- Expansion of pharmacy residency program from eight to sixteen residents to assist in clinical service provision
- Expansion from seven to eleven pharmacy residency programs
- Implementation of Anticoagulation Pharmacy Service
- Implementation of Clinical Nutrition Pharmacy Service
- Implementation of MALDI-TOF service to reduce speciation and identification of bacteremia infection and initiating correct antibiotics 12-24 hours sooner

Committee Memberships:

- Residency Advisory Committee Chair
- Pharmacy Practice Model Steering Committee Chair
- Joint Commission Medication Management Continual Readiness Chair
- Pharmacy Leadership Team Chair
- Pharmacy Management Team Chair
- P and T Committee
- EPIC Steering Committee
- Executive Directors Forum

Associate Director of Pharmacy

University of Michigan Hospitals and Health Centers (April 2007-September 2011)

Accomplishments

- Development of new pharmacy practice model for staff pharmacists (generalists/specialist – team based approach)
- Consolidated Operations for University Hospital to improve efficiency
- Opened new Kellogg Eye Center Pharmacy – OR/Outpatient
- Opened new CVC Pharmacy area and service to CVC inpatients (48 beds) and OR
- Opened new Emergency Department Pharmacy - 24/7 pharmacist coverage
- Opened a new Kellogg Eye Center Pharmacy Service
- Joint commission preparation and corrective actions
- Carelink (Eclipsys CPOE) go-live coordination and workflow design for Mott and UH
- USP 797 compliant cleanroom opened and workflow organization on sterile products throughout the institution
- Contract for Valimed and implementation of a second device
- PACMED planning and installation
- IDS service coordination with Dr. Kim Redic
- Residency program director - PGY-1 residency
- Residency program coordinator – 7 programs
- Development of a group specifically designed to increase the pride in the department (Esprit de corps Committee)

Committee Memberships

- Residency Advisory Committee Chair
- Pharmacy Quality Improvement Committee Chair
- Pharmacy Practice Model Steering Committee Chair
- Esprit de Corps Committee Chair
- Pharmacy Operations Committee
- Joint Commission Medication Management Continual Readiness Chair
- Medication Waste Chair

Director, Pediatric Pharmacy Division

Johns Hopkins Hospital, Baltimore, Maryland (March 2006-March 2007)

Assistant Director of Pharmacy, Pediatrics

Johns Hopkins Hospital, Baltimore, Maryland (July 2002-March 2006)

Accomplishments:

- Development of Point of Care Pharmacist Role (Decentralized Pharmacy Role); staff development, two new roles.
- Increased Pharmacist staffing levels by 33% to provide better decentralized care based on benchmark and volume changes (60 staff, 48 FTE currently).
- Managed approximately \$12 million dollar budget (staff, medications, and supplies).
- Standardized concentrations of continuous infusion medications eliminating the “rule of six.”
- Began 24 hour a day, seven day a week pediatric pharmacist code coverage.

- Pharmacy review of 120 CPOE ordersets for use in the pediatric go-live and assistance with dose range checking.
- Provided homecare TPNs from Pediatric Inpatient Pharmacy for an interim year while Johns Hopkins Homecare group developed new TPN systems.
- Supervised staffing levels/scheduling of 24 hour a day, seven day a week operation.
- Prepared payroll every other week.
- Reviewed medication event reports via Patient Safety Net.
- Advised resident on-call committee.
- Eliminated concentrated electrolytes from the patient care units.
- FMEA team member for Pediatric Chemotherapy.
- Successful JCAHO survey 2003 Kennedy Krieger Institute.
- Successful JCAHO survey 2003 Johns Hopkins Hospital.
- Implementation of dolasetron therapeutic interchange in pediatrics.
- Implementation of a STAT medication order printer to facilitate safer patient care.
- Development of preprinted ordersets for continuous albuterol, potassium supplementation, and solid organ transplant.
- Development and implementation of standard administration times in the Johns Hopkins Children's Center.
- Expanded pharmacy internship program from 3 to 18 interns in five years.

Committee Memberships:

- Chair, Pediatric Pharmacy Performance Improvement Committee
- Chair, Point of Care Pharmacist Development Committee
- Co-Chair, Pharmacy-Nursing Advisory Committee
- Supervisor, Sixty employees
- Coordinator, Pharmacy Internship Program
- Member, Drug Utilization Surveillance Team Subcommittee of the Johns Hopkins Hospital Pharmacy and Therapeutics Committee
- Member, Kennedy-Krieger Institute Pharmacy and Therapeutics Committee
- Member, Children's Center Telethon Committee
- Member, Innovations in Patient Care, Medication Safety
- Member, Pediatric Performance Improvement Committee
- Member, Pharmacy Operations Group
- Member, Pharmacy Clinical Group
- Member, Pharmacy Resident Preceptor Committee
- Member, Resident On-call Committee
- Member, Johns Hopkins Pediatrics at Home Professional Advisory Committee
- Member, Johns Hopkins Pharmaquip Professional Advisory Committee
- Preceptor, Pharmacy Practice Residency Program, Satellite Pharmacy Management Rotation
- Preceptor, Pediatric Residency Program, Pharmacy Practice Rotation
- Preceptor, University of Maryland, Ohio State University, Shenandoah University, and Howard University students
- Resident Facilitator, Pharmacy Practice Residency Program

Pharmacy Administrative Resident (Specialized Resident in Pharmacy Practice Management)

University of Wisconsin Hospital and Clinics, Madison, Wisconsin (July 2000-June 2002), Program Director: Thomas Thielke, RPh, M.S. Advisor: Jim Klauck, RPh, M.S.

Decentral Staff Pharmacist - Pediatrics, Critical Care, Cardiology, Hematology/Oncology
University of Wisconsin Hospital and Clinics, Madison, Wisconsin (July 2000-June 2002)

TEACHING EXPERIENCE

Clinical Assistant Professor

University of Michigan College of Pharmacy
 2007-present

- Precept P4 students on Pharmacy Practice Management (Non-traditional) APPE Rotation with Dr. Jim Stevenson 2007-present
- **Pharm 420** – Course Coordinator – Winter 2010 (21 student contact hours); Quality Assurance Lecture 2007-08, 2008-2009 and Hospital Pharmacy Practice Lecture 2008-2009
- **Pharm 422** – Course Coordinator – Winter 2012 (46 student contact hours), Winter 2013 (contact hours)
- **Pharm 465** – Justifying Pharmacy Clinical Services Lecture 2008-2009, 2009-2010, 2010-2011
- **Pharm 550** – Communication and Professionalism 2009, 2010, 2011, 2012; Change Management and Leadership – 2010, 2011, 2012; Preparing for ASHP Midyear Clinical Meeting 2012
- **Pharm 680** – Precept seminar students 2007-2008 -2 students, 2008-2009 – 3 students, 2009-2010 – 2 students, 2010-2011 – 2 students
- **UC 151** – Contemporary Issues in Medication Use and Pharmacy - Course Coordinator Winter 2008 and Winter 2009
- **Pharm.D. Investigations** – Kate Veltman 2012-present – Use of Fentanyl Patches in an Academic Medical Center

Clinical Assistant Professor

University of Maryland School of Pharmacy
Baltimore, MD
 2002-2007

- Precept P4 students on Pharmacy Practice Management Rotation
- Precept P4 students on Institutional Pharmacy Practice Rotation

Teaching Certificate Program for Pharmacy Residents

University of Wisconsin
Madison, WI
 August 2001-June 2002

- Attended seminars on teaching skills
- Created a teaching portfolio

Clinical Instructor

University of Wisconsin
Madison, WI
 2000-2002

- Oriented students to hospital setting
- Secondary preceptor of students on clinical clerkships

Pharmaceutical Care Instructor

University of Toledo
Toledo, OH

May 1999-November 1999

- Evaluated and reviewed materials to determine feasibility of on-line clinical rotation evaluation

Pharmaceutical Care Instructor

University of Toledo
Toledo, OH

August 1998-May 1999

- Bachelor of Science in Pharmacy Externship Assistant Coordinator
- Peer Mentor for Early Practice Development (Entry-level Pharm.D. introductory course).

RESEARCH EXPERIENCE

Veltman K, **Clark JS.** Use of fentanyl patches in an academic medical center

- Sub-Investigator
- IRB Approved: 2012

DelMonte MT, **Clark JS**. Pharmacy resident attitudes toward participation in cardiopulmonary resuscitation events

- Sub-Investigator
- IRB Exempted: 2009

Pollard SR, **Clark JS**. Survey of health-system pharmacy pathways.

- Sub-Investigator
- IRB Exempted: 2007

Fetterly E, **Clark JS**, Clark AM. National Survey of Resident On-call Programs: Scope of Responsibility and Structure

- Sub-Investigator
- IRB Exempted: 2005

Miller K, Davies K, **Clark JS**. Medication Induced Delirium in Hospitalized Patients.

- Sub-Investigator
- IRB Exempted: 2003

Clark JS, Klauck JA. Recording Pharmacists' Clinical Interventions: *The Utility of a Personal Digital Assistant*.

- Principal Investigator
- IRB Approved: 2001

Klauck JA, **Clark JS**. A Comparative Study of Point of Care Monitoring of INRs and a Laboratory Standard.

- Sub-Investigator
- IRB Approved: 2001

PEER REVIEWED PUBLICATIONS

Hlubocky J, Brummond P, **Clark JS**. Pharmacy practice model change: Lean thinking provides a place to start. *Am J Health-Syst Pharm* 2013;70:845-847.

DelMonte M, **Clark JS**. Pharmacy residents' experiences and attitudes toward participation in cardiopulmonary resuscitation (CPR) events at academic medical centers. *Hospital Pharmacy* 2011;46:864-875.

Walker PC, Kinsey KS, Kraft MD, Mason NA, **Clark JS**. Improving student education and patient care through an innovative introductory practice experience. *Am J Health-Syst Pharm*, 2011;68:655-660.

Clark JS, Khalidi N, Klein KC, Streetman DD, McGregory ME, Johnston JP. Using a novel approach to collect, disseminate, and assess residency application materials. *Am J Health-Syst Pharm* 2010;67;741-5.

Pollard SR, **Clark JS**. Survey of health-system pharmacy leadership pathways. *Am J Health-Syst Pharm* 2009;66:947-52.

Miller MR, Rinke M, **Clark JS**, Mudd S, Moon MR. Prescribing Errors in a Pediatric Emergency Department. *Pediatr Emerg Care* 2008; 24:1-8.

Clark JS. Developing the future of pharmacy through health-system pharmacy internship programs. *Am J Health-Syst Pharm* 2007; 64:952-4.

Miller MR, **Clark JS**, Lehmann CU. Computer-based medication error reporting: insights and implications. *Qual Saf Health Care* 2006;15 208-213

Kim G, Veltri MA, **Clark JS**, Lehmann CU. Decreasing Errors in Pediatric Continuous Intravenous Infusions. *Pediatr Crit Care Med* 2006;7:225-230.

Bazzie KA, Witmer D, Pinto B, Bush C, **Clark JS**, Deffenbaugh J. A National Survey of Dietary Supplement Policies in Acute Care Facilities. *Am J Health-Syst Pharm* 2006;63:65-70.

Clark JS, Klauck JA. Recording Pharmacists' Clinical Interventions with a Personal Digital Assistant. *Am J Health-Syst Pharm* 2003;60: 1772-1774.

BOOK CHAPTERS

Mark SM, Saenz R, **Clark JS**, Stevenson JG. Leadership essentials for pharmacists. In Chisholm-Burns MA, Vaillancourt AM, Shepherd M. *Pharmacy Management, Leadership, Marketing, and Finance*. 2nd edition 2014.

Goldstone LW, Kennedy AK, **Clark JS**, Phan H. Developing and Evaluating Clinical Pharmacy Services. In Chisholm-Burns MA, Vaillancourt AM, Shepherd M. *Pharmacy Management, Leadership, Marketing, and Finance*. 2nd edition 2014.

Clark JS, Pleva M. What's in it for me? Benefits of postgraduate training. In Bookstaver PB, Cauder CR, Smith KM, Quidley AM. *Roadmap to postgraduate training in pharmacy*. 2013.

Dalrymple PW, Cohen BA, **Clark JS**. Managing pediatric knowledge resources in practice. In Lehmann CU, Kim GR, Johnson KB. *Pediatric Informatics* 2009.

NON-REFEREED PUBLICATIONS

Clark JS. Findings of Pharmacy Practice Model Initiative Survey. UHC White Paper May 2013.

Abramowitz P, Ashby DM, Bush PW, Guharoy R, Jorgenson J, Knoer S, Rough SS, Stevenson JG, Wiest M, **Clark JS**, Nesbit TW. Pharmacy Practice Model for Academic Medical Centers. UHC White Paper. May 2010.

Clark JS, Landini KM, Shoemaker DS. Implementing a high volume unit dose packaging machine. *Pharmacy Purchasing and Products* 2009;10;14-17.

Veltri MA, Ascenzi J, **Clark JS**, Lehmann CU. Standardizing Medication Ordering, Dispensing, and Administration Systems to Eliminate the "Rule of Six." *Pharmacy Purchasing and Products* 2006;3:30-32.

Clark JS, Koneru MB, Weibel KJ. Improving Quality through Accreditation. *J Pharm Soc of Wis* 2001;July/August:18-20.

Clark JS, Vermeulen LC. Hospital Pharmacy in the United States. *International Pharmacy Journal* 2002;16:18-19.

EXTERNAL PUBLICATION REFEREE

Mason B, Parker D, Lott RS. *Capstone Pharmacy Review*. Burlington, MA: Jones and Barlett; 2014.

Chisholm-Burns MA, Vaillancourt AM, Shepherd M. *Pharmacy Management, Leadership, Marketing, and Finance*. Sudbury, MA: Jones and Bartlett; 2011.

American Journal of Health-System Pharmacists – Peer Reviewer – April 2004-present.

Archives of Internal Medicine – Peer Reviewer - June 2002-May 2007

Journal of Pharmacy Practice and Research – Peer Reviewer – 2007

GRANTS

Clark JS. American Society of Health-System Pharmacists Foundation - \$40,000

April 2012

- Grant to provide residency funding to University of Michigan for one additional PGY-1

Clark JS. Fostering Innovations Grant – University of Michigan Hospitals and Health Centers - \$2,960

March 2010

- Grant to reduce controlled substance disposal in the water supply by using kitty litter as a method of disposal
- University of Michigan Health System fully implemented across facilities – 2013

Clark JS. Amgen Pharmacy Residency Grant Program - \$40,000

March 2010

- Grant to provide residency funding to University of Michigan for one additional PGY-2 Oncology resident

Clark JS. Amgen Pharmacy Residency Grant Program - \$40,000

February 2009

- Grant to provide residency funding to University of Michigan for one additional PGY-1

Clark JS. Amgen Pharmacy Residency Grant Program - \$40,000

February 2008

- Grant to provide residency funding to University of Michigan for one additional PGY-1

Clark JS, Miller MR. Johns Hopkins Hospital Telethon Grant - \$10,000

April 2004

- Grant to study provision of a pharmacist clinical service in the pediatric emergency department

POSTER PRESENTATIONS

Wesolowicz L, Repotski S, **Clark JS.** Collaboration Between Health Plan and University to Develop PGY-1 Managed Care Residency Program. Presented at the American Society of Health-System Pharmacy (ASHP) National Pharmacy Preceptors Conference. August 2012.

Feng AG, Cramer C, Mason NA, Walker PC, Kraft MD, **Clark JS,** Kinsey K. Evaluation of the Direct Patient Care Introductory Pharmacy Practice Experience (DPC-IPPE) Course Emphasizing Medication Reconciliation. Presented at American Society of Health-System Pharmacy (ASHP) Midyear Clinical Meeting. December 2011.

Caruso MC, Idrees U, Lee CKK, **Clark JS,** Schoolden GM, Miller MR. Assessing the Value and Developing Performance Measures of Pharmacy Services in a Pediatric Emergency Department. Presented at American College of Emergency Physicians Research Forum, October 2006. Published in: Annals of Emergency Medicine 48: S64-S64 205 Suppl. S, October 2006.

Veltri MA, Ascensi J, **Clark JS,** Taylor MW, Matlin C, Ulbrich CR, Lehmann CU. Successful Elimination of the “Rule of Six” Through a Medication Use System Redesign, and Standardization of Pediatric Infusions. Presented at the Poster Session at the Pediatric Pharmacy Advocacy Group Annual Meeting, October 2006.

Veltri MA, Ascensi J, **Clark JS,** Lehmann CU. Successful Elimination of the “Rule of Six” Through a Medication Use System Redesign, and Standardization of Pediatric Infusions. Presented at the Poster

Session at American Society of Health-System Pharmacy (ASHP) Midyear Clinical Meeting, December 2005.

Alvarez W, Idrees U, Thomasset K, Veltri MA, Saltsman C, **Clark JS**, Faraday N, Hunt E, Nesbit TW, , Gill CA, Robinson H, McClary J. Implementation of Continuous Pharmacist Code Response in a Large Academic Medical Center. Presented at American College of Clinical Pharmacy, October 2005.

Gujral R, Lehmann CU, Veltri MA, **Clark JS**, Miller MR. Reducing Errors in Pediatric Continuous Medication Infusions. Presented at the Pediatric Academic Societies Meeting, May 2005.

Norigian ZR, Clark AM, Lieb CA, **Clark JS**, Hatfield AJ, Patel A, Thomasset K. Implementation of a Residency On-Call Program in a Teaching Hospital. Presented at the Resident Poster Session at American Society of Health-System Pharmacy (ASHP) Midyear Clinical Meeting. December 2004.

Norigian ZR, Patel A, Clark AM, **Clark JS**, Hatfield AJ, Lieb CA, Shermock K, Richards A. Development and Implementation of a Database for Documentation of Resident On-call Activities. Presented at the Resident Poster Session at American Society of Health-System Pharmacy (ASHP) Midyear Clinical Meeting. December 2004.

Bradley JH, Nesbit TW, Brown MD, **Clark JS**, Veltri MA. Considerations for a Comprehensive Clinical Pharmacy Documentation System. Presented at the Poster Session at American Society of Health-System Pharmacy (ASHP) Summer Meeting. June 2004.

Bradley JH, Nesbit TW, Brown MD, **Clark JS**, Veltri MA. Pharmacist In Motion: Design and Implementation of a PDA Clinical Intervention Tool with Cost Savings Calculation. Presented at the Resident Poster Session at American Society of Health-System Pharmacy (ASHP) Midyear Clinical Meeting. December 2003

Miller K, Davies K, **Clark JS**, Votolato N. Medication Induced Delirium in Hospitalized Patients. Presented at American Society of Health-System Pharmacy (ASHP) Summer Meeting. June 2003

Clark JS, Klauck JA. Recording Pharmacists' Clinical Interventions: *The Utility of a Personal Digital Assistant*. Presented at the Resident Poster Session at American Society of Health-System Pharmacy (ASHP) Midyear Clinical Meeting. December 2001

Clark JS, Koneru MB, Maphanta S, Newkirk GL. Piperacillin/Tazobactam and Ticarcillin/Clavulanic Acid: A Retrospective DUE. Presented as a Resident poster at the University HealthSystem Consortium Pharmacy Advisory Committee Meeting at the ASHP Midyear Clinical Meeting. December 2001

Chamnanmoh S, **Clark JS**, Koneru MB, Maphanta S, Newkirk GL, Teeraviboon S, Van Den Bosch D. Improvement of Patient Discharge Waiting Time at a Academic Medical Center. Presented as a Resident poster at the University HealthSystem Consortium Pharmacy Advisory Committee Meeting at ASHP Midyear Clinical Meeting. December 2001

SELECTED PRESENTATIONS

Mentoring for Success – American Society of Health-System Pharmacists – National Pharmacy Preceptor Conference
August 2013

Residency Accreditation at 50 Years: A Bold Vision for the Future – American Society of Health-System Pharmacists – National Pharmacy Preceptor Conference

August 2013

The Intrinsic Factors of Residency Training Programs: Getting Past the Knowledge to the Skills, Abilities and Attitudes. American Society of Health-System Pharmacists – National Pharmacy Preceptor Conference
August 2013

Update on the Commission on Credentialing. American Society of Health-System Pharmacists - National Pharmacy Preceptors Conference.
August 2013

Residency Standard Revision: Background, Update, Feedback. American Society of Health-System Pharmacists - National Pharmacy Preceptors Conference.
August 2013

Importance of Personal and Group Leadership – University of Toledo Phi Lambda Sigma invited speaker for initiation
February 2013

Strategies to a More Collaborative Workplace – American Society of Health-System Pharmacists – Midyear Clinical Meeting
December 2012

Making Students Indispensable: Involving Students in Patient Care Roles – American Society of Health-System Pharmacists – Midyear Clinical Meeting
December 2012

Pharmacy Practice Models: A Team Based Approach – American Society of Health-System Pharmacists – Midyear Clinical Meeting
December 2012

ASHP Accreditation: Process and Pearls – Michigan Society of Health-System Pharmacists – Annual Meeting
November 2012

Selecting Pharmacy Residency Candidates: How to Select the Best from the Rest – American Society of Health-System Pharmacists – National Pharmacy Residency Preceptor Conference
August 2012

Advancing in the Workplace – How to Strategically Advance in the Workplace No Matter Your Current Position – American Society of Health-System Pharmacists – Great eXpectations Conference
May 2012

Growing current programs: Emphasis on Scaling Programs for Growth. Michigan Society of Health-System Pharmacist Annual Meeting
November 2011

Importance of Residency Training. Michigan Society of Health-Systems Pharmacists Annual Meeting
November 2011

Pharmacy Practice Model Agnosticism: A Value Based Perspective – Presented at the ASHP Midyear Clinical Meeting
December 2010

Survey Research: An Overview – Presented to the University of Michigan Undergraduate Research Opportunities Program

October 2010

Pharmacy Residency Training: A UM Perspective – Presented to the University of Michigan College of Pharmacy Board of Governors
September 2010

Leadership, Pharmacy, and You – Presented at the University of Michigan Health Systems Pharmacy Student Organization as part of the ASHP Leadership Speakers Bureau
April 2010

Growing and maintaining your pharmacy residency program - Presented at the December University HealthSystem Consortium Pharmacy Council Meeting
December 2009

Influence: How to get it and how to use it. MPA Annual Convention
March 2009

Production issues in pharmacy related to patient safety: A focus on "5S." MPA Annual Convention
February 2009

Creating your life plan. MPA Annual Convention
February 2009

Mentorship and Leadership – Presented at Southeast Michigan Pharmacy Residency Conference
January 2009

To BCPS or Not BCPS – Presented at Southeast Michigan Pharmacy Residency Conference
January 2009

Finance and Negotiation – Presented to University of Michigan Department of Pharmacy Residents
December 2008

Creating an Annual Report – Presented at the December University HealthSystem Consortium Pharmacy Council Meeting
December 2008

Patient Focused Medication Safety – Moderated a continuing education presentation for the University of Toledo College of Pharmacy Alumni Affiliate
November 2008

Medication Waste Disposal: A Primer and Roundtable - Presented at the Michigan Society of Health System Pharmacists Annual Meeting
November 2008

Influence – Presented to University of Michigan Department of Pharmacy Residents
March 2008

ASHP 2015 Initiative Update – Survey, Status, and Best Practices – Presented at the December University HealthSystem Consortium Pharmacy Council Meeting
December 2007

How to Justify Clinical Pharmacy Services: A Workshop – Presented at the Michigan Society of Health System Pharmacists Annual Meeting
November 2007

Educate, Then Advocate: A Primer for Reaching Decision Makers – Presented at the Michigan Society of Health System Pharmacists Annual Meeting
November 2007

A Discussion in Leadership, Mentors, Persistence, and Volunteerism – Presented to the Pharmacy Student Alumni Affiliate at the University of Toledo
September 2007

Point of Care Pharmacist: Role of a PCP – Presented to a group of decentralized pharmacists explaining the role and inspiring them to action
March 2005, July 2005, September 2005, July 2006

Johns Hopkins Hospital Pediatric Pharmacy – Overview for newly hired nurses given monthly
2002-2007

Designing the Ideal Medication Use System – Presented to the Pharmacy staff at Johns Hopkins Hospital
June 2004

Unique Career Opportunities in Pharmacy – Presented in the Pharmacy student session at the American Society of Health-System Pharmacy (ASHP) Midyear Clinical Meeting
December 2003

Anemia Management in Chronic Renal Failure – Clinical presentation at University of Wisconsin Hospital and Clinics
April 2002

Antibiotic Drug Interactions – Prepared for Twenty-third Annual Madison Clinical Conference for continuing education for Wisconsin pharmacists
March 2002

Contractual Relationships between University Hospitals and Colleges of Pharmacy - Prepared for Resident Seminar at University of Wisconsin Hospital and Clinics
October 2001

Intravenous Proton-Pump Inhibitors – Is there a Rational Use? – Prepared for Continuing Education credit for the pharmacy department at University of Wisconsin Hospital and Clinics
September 2001

“Putting It All Together:” Successful Development of a Comprehensive Personal Digital Assistant for Pharmacists – Prepared for Resident Seminar at University of Wisconsin Hospital and Clinics
September 2001

Omapatrilat: A New Treatment for CHF – Clinical Presentation at University of Wisconsin Hospital and Clinics
February 2001

Clerkship Orientation – Presentations to University of Wisconsin pharmacy students
July 2001-May 2002

Registered Nurse Orientation – Presentations to new nurses at University of Wisconsin Hospital and Clinics to orient them to pharmacy services
July 2001-June 2002

CONSULTATIONS

University of Toledo Medical Center – Department of Pharmacy and College of Pharmacy Strategic Planning – December 2007

American Society of Health-System Pharmacists PGY-1 Accreditation Surveyor

- **St. David's South Austin Medical Center** – September 2013
- **North Mississippi Medical Center** – July 2013
- **Memorial Hospital South Bend** – May 2013
- **University Health System – San Antonio** – March 2013
- **St. Vincent's HealthCare – Jacksonville** – January 2013
- **Carroll Hospital Center** – PGY-1 Residency – May 2012
- **University of Oklahoma** – PGY-1 Residency – February 2012
- **University of California – Irvine** – PGY-1 Residency – January 2012
- **Cabell Huntington Hospital** – PGY-1 Residency – November 2011
- **Yale-New Haven Medical Center** – PGY-1 Residency – October 2011
- **Mount Carmel Hospital** – PGY-1 Residency – September 2011
- **Wesley Medical Center** – PGY-1 Residency – August 2011
- **Lutheran Health Network** – PGY-1 Residency – May 2011
- **Mayo Clinic Children's Hospital** – PGY-1 Residency – May 2011
- **Blanchard Valley Medical Center** – PGY-1 Residency – April 2011
- **Riverside Methodist Hospital** – PGY-1 Residency – March 2011
- **Mayo Clinic** – PGY-1 Residency – October 2010
- **Virginia Mason Medical Center** – PGY-1 Residency – September 2010
- **Fairview Northland Medical Center** – PGY-1 Residency – May 2010
- **Battle Creek Veterans Administration Health System** – PGY-1 Residency – March 2010
- **Virginia Commonwealth University** – PGY-1 Residency – November 2009
- **Via Christi Health Care** – PGY-1 Residency – April 2009
- **St. Elizabeth Regional Health** – PGY-1 Residency – October 2008
- **St. Vincent Indianapolis Hospital** – PGY-1 Residency – June 2008
- **Hospital of the University of Pennsylvania** – PGY-1 Residency – May 2008
- **Medical Center at Princeton** – PGY-1 Residency – May 2008

- **Cincinnati Children's Hospital Medical Center** – PGY-1 Residency – October 2006
- **St. Rita's Medical Center, Lima, Ohio** – PGY-1 Residency – May 2006
- **Mobile Infirmary, Mobile, Alabama** – PGY-1 Residency – April 2006
- **Mercy Children's Hospital, Kansas City, Missouri** – PGY-1 Residency – December 2005

American Society of Health-System Pharmacists Pharmacy Technician Program Surveyor

- **Virginia College of Richmond** – November 2012

PROFESSIONAL AFFILIATIONS

➤ **American Society of Health-System Pharmacists**

1999-Present

- Commission on Credentialing Appointee (2010-2012)
 - o Vice-Chair (2012)
 - o Chair (2013)
 - o Past-Chair (2014)
- Center on Pharmacy Practice Advancement Advisory Committee (2013-2014)
- Council Appointee (Council on Professional Affairs - June 2003-2005)
- Residency Accreditation Surveyor (2005-present)
- ASHP Foundation Residency Excellence Award Reviewer (2013)
- ASHP Foundation Fundraising Committee (2005-2007)
- Section of Pharmacy Practice Managers
 - o Section Advisory Group on Leadership Development (2012-2013)
 - o Educational Steering Committee
 - Member (2007-2008, 2011-2012)
 - o Section Advisory Group on Publications and Communications Committee (2008-2011)
 - Past-Chair (2010-2011)
 - Chair (2009-2010)
- Section of Clinical Specialists and Scientists
 - o Clinical Leadership Section Advisory Group (2010-present)
 - Chair 2012-2013
 - Vice-Chair 2011-2012

➤ **Maryland Society of Health System Pharmacists**

2002-2007

- President (January – March 2007)
- President-Elect (2006)
- Board of Directors (2005)
- Delegate to ASHP House of Representative (2006)
- Alternate Delegate to ASHP House of Delegates (2005)
- Student Mentor

➤ **Michigan Pharmacists Association and Michigan Society of Health System Pharmacists**

2007-present

- Residency Committee Member (2009-present)

➤ **University of Toledo College of Pharmacy Alumni Affiliate**

2007-present

- Past-President (2010-2011)
- President (2009-2010)

- Vice-President (2008-2009)
- Secretary (2007-2008)
- Alumni Affiliate Board Member (2007-present)
- **University Health System Consortium**
July 2005-present
 - Pharmacy Advisory Committee
 - Committee Appointee (Performance Improvement and Compliance Committee)
 - Vice-Chair (2010-2013)
 - Chair (2013-2016)

COLLEGE OF PHARMACY COMMITTEES

- College of Pharmacy Dean Search Committee
2013-present
- University of Michigan Curriculum Sub-Committee Co-Chair – Health Systems
2010-present
- University of Michigan Residency Advisory Committee Chair
2008-present
- University of Maryland College of Pharmacy Preceptor Group for ACPE Accreditation
2006

PROFESSIONAL AWARDS

- Michigan Society of Health-System Pharmacists (MSHP) Joseph A. Oddis Leadership Award –
2012
- University of Toledo College of Pharmacy – Outstanding Young Alumnus Award – 2011
- ASHP Residency Excellence Award – Program Award – University of Michigan PGY-1
Pharmacy Residency Program – 2010
- ASHP Best Practices in Health-System Pharmacy - “Successful Elimination of the “Rule of Six”
in an Academic Children’s Hospital Through a Medication-Use-System Redesign and
Standardization of Continuous Infusions” - 2006

TRAINEES

PGY-1 RESIDENCY PROGRAM

Served as Pharmacy Residency Program Director for these trainees

University of Michigan PGY-1

Emily Ashjian (2013-2014)
 Natalia Jasiak (2013-2014)
 Twisha Patel (2013-2014)
 Anna Polso (2013-2014)
 Lisa Scherkenbach (2013-2014)
 Katie Unger (2013-2014)
 Kylee Funk (2012-2013)
 Emily Israel (2012-2013)
 Megan Hartranft (2012-2013)

Meghan McComb (2012-2013)
Bernard Marini (2012-2013)
Alison Palumbo (2012-2013)
James Williams (2012-2013)
Allen Antworth (2011-2012)
Paul Stranges (2011-2012)
Elizabeth Koselke (2011-2012)
Claire Walter (2011-2012)
Cuong Huong (2010-2011)
Jennifer Hlubocky (2010-2011)
Adrian Larkin (2010-2011)
Melinda Tran (2010-2011)
Marie Yu (2010-2011)
Marcy DelMonte (2009-2010)
Alex Fohl (2009-2010)
Melissa Carroll (2009-2010)
Rebecca Pettit (2009-2010)
Ann Schwemm (2009-2010)
Stephanie Baringhaus (2008-2009)
Anna Sutherland (2008-2009)
Natasha Pettit (2008-2009)
Andrea Nigg (2008-2009)
Maria Guido (2008-2009)