

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

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## **OFFICE**

Department of Pharmacy Services  
Administrative Offices  
UH B2D301/5008  
1500 E. Medical Center Drive  
Ann Arbor, Michigan 48109-5008  
(734) 263-7183  
Fax: (734) 936-7027  
[johnclar@umich.edu](mailto:johnclar@umich.edu)

## **EDUCATION**

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

*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

## **CERTIFICATIONS**

### **Board Certified Pharmacotherapy Specialist**

*Board of Pharmacy Specialties*  
Expires 2025

### **Teaching Certificate Program for Pharmacy Residents**

*University of Wisconsin*  
*Madison, WI*  
August 2001-June 2002

## **FELLOWSHIP**

### **Fellow**

*American Society of Health-System Pharmacists*  
June 2012

## **ACADEMIC EXPERIENCE**

### **Clinical Professor**

*University of Michigan College of Pharmacy*  
*Ann Arbor, MI*  
2024-present

### **Clinical Associate Professor**

*University of Michigan College of Pharmacy*

*Ann Arbor, MI*  
2014-2024

**Clinical Assistant Professor**

*University of Michigan College of Pharmacy*  
*Ann Arbor, MI*  
2007-2014

**Clinical Assistant Professor**

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

**Clinical Instructor**

*University of Wisconsin*  
*Madison, WI*  
2000-2002

**Pharmaceutical Care Instructor**

*University of Toledo*  
*Toledo, OH*  
May 1998-November 1999

**HEALTH-SYSTEM PRACTICE**

**Associate Chief Pharmacy Officer**

*Michigan Medicine* (January 2022-present)

- Responsible for acute care pharmacy, medication use system technology, education and professional development
- 4 direct reports
- Over 400 indirect reports – pharmacists and pharmacy technicians
- Over 100 pharmacy student indirect reports
- Report to Chief Pharmacy Officer
- Responsible for implementation project of 131 Omnicell Anesthesia Workstations across the Ann Arbor area campuses
- Oversaw implementation of IV workflow systems across acute care IV production areas
- Health System Pharmacy Administration and Leadership Residency Program Director PGY1/PGY2 – 2022-present
- Co-wrote ASHP National Trends in Future Drug Expenditures - 2019-2024
- Practitioner Residency Surveyor for ASHP– approximately 35 sites – 2007-present
- ASHP Pharmacy Leadership Academy Faculty – 2018-present

**Associate Chief Pharmacy Officer**

*Michigan Medicine* (January 2017-January 2022)

- Responsible for acute care pharmacy, community pharmacy, specialty pharmacy, infusion pharmacy, patient care outcomes, strategic projects
- 5 direct reports
- Over 500 indirect reports – pharmacists and pharmacy technicians
- Reported to Chief Pharmacy Officer
- PGY1 Residency Program Director – program director for over 120 residents from 2007-2022
- Led departmental implementation of USP 797/800 construction of \$22 million across 14 sites
- Led \$17 million transition from Omnicell to Pyxis – 254 unit based cabinets, 5 carousels, packager
- Co-developed pharmacy technician supervisor training program
- Oversaw development of pharmacy technician training program
- Led ASHP Pharmacy Advancement Initiative 2030 consensus conference
- Co-author of revision of ASHP Diversion Prevention Guidelines

### **Director of Pharmacy Services**

*University of Michigan Hospitals and Health Centers (September 2011-January 2017)*

- Responsible for acute care pharmacy, community pharmacy, specialty pharmacy, infusion pharmacy, patient care outcomes, strategic projects
- 10 direct reports
- Over 400 indirect reports – pharmacists and pharmacy technicians
- Reported to Chief Pharmacy Officer
- Chief Pharmacy Officer responsibility (July 2014-June 2015) – reported to Chief Operating Officer who was acting Chief Executive Officer at the time
- Oversaw implementation of Children and Women’s Hospital Pharmacy Services (350 beds, infusion pharmacy, operating room pharmacy, and emergency department pharmacy)
- Oversaw transition to EPIC system from previous CPOE system for pharmacy
- Pharmacy lead for bar code medication administration implementation
- Developed operational improvements in controlled substance handling and accountability to be a national leader
- Co-author of ASHP Diversion Prevention Guidelines

### **Associate Director of Pharmacy**

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

- Responsible for acute care pharmacy, medication use system technology, education and professional development, and quality improvement
- 4 direct reports
- Over 250 indirect reports – pharmacists and pharmacy technicians
- Reported to the Director of Pharmacy
- Practice model development – Clinical pharmacist generalist and clinical pharmacist specialist
- Introduced and implemented pharmacists as prescribers of therapeutic anticoagulation
- Implemented computer prescriber order entry system as pharmacy lead
- Implemented unit dose packaging machine in pharmacy
- Researched and reported on pharmacy leadership development pathways
- Partnered to design a new APPE rotation with clinical pharmacist generalists
- Pharmacy residency practitioner surveyor for ASHP

### **Director, Pediatric Pharmacy Division**

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

- Responsible for clinical and distributive pharmacy services for 250 pediatric beds at Johns Hopkins Hospital and 50 beds at Kennedy Krieger Institute
- Over 60 direct reports – pharmacists and pharmacy technicians
- Over 25 indirect reports – pharmacy technicians
- Reported to Senior Director of Pharmacy and Physician Chair of Pediatrics

### **Assistant Director of Pharmacy, Pediatrics**

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

- Responsible for clinical and distributive pharmacy services for 250 pediatric beds at Johns Hopkins Hospital and 50 beds at Kennedy Krieger Institute
- Over 80 direct reports – pharmacists and pharmacy technicians
- Reported to Associate Director of Pharmacy
- Developed new practice model for decentralized pharmacists
- Implemented computer prescriber order entry system as pediatric pharmacy lead
- Eliminated rule of six by creating software in CPOE, smart pumps, and pharmacy systems
- Co-developed health-system pharmacy administration residency with a MBA
- Nurse-pharmacy system wide co-chair
- Implemented pharmacy resident on-call program
- Designed and implemented system-wide code response

### **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.

- Created and implemented pharmacist documentation tool on a hand-held with BDM (bought by GE Healthcare)
- Developed system-wide albumin guideline
- Created and implemented budgeting tool for top 20% of medication spend
- Completed drug use evaluations
- Improvement of discharge waiting times

#### **Decentral Staff Pharmacist**

*University of Wisconsin Hospital and Clinics, Madison, Wisconsin (July 2000-June 2002)*

- Staffed as a decentral pharmacist in pediatrics, oncology, critical care, and cardiology
- Admission and discharge patient counseling
- Wrote discharge prescriptions
- Verified order entry by pharmacy technicians
- Reviewed medication orders for appropriate medication use
- Part of administrative pharmacy resident responsibility

#### **Pharmacy Intern/Senior Intern**

*Akron General Medical Center, Akron, Ohio (May 1996-June 1999)*

- Wrote monographs for P and T committee
- Assisted in intern hiring
- Staffed as a pharmacy technician in IV room, infusion center, OR pharmacy, ICU satellite

### **TEACHING POSITIONS**

#### **Clinical Professor, Clinical Associate Professor, and Clinical Assistant Professor**

*University of Michigan College of Pharmacy*

2007-present

- Precept P4 students on Pharmacy Practice Management Rotation
- Teach in leadership/health-system courses

#### **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

#### **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).

### **PROFESSIONAL AWARDS**

- John W. Webb Lecture Award – American Society of Health-System Pharmacists (ASHP) and Northeastern University - 2024
- Winston J. Durant Lecture Award – University of Wisconsin – 2023
- ASHP Foundation Literature Award – Innovation in Pharmacy Practice – Chaffee BW, Tharp JC, Clark JS, Kent S. A compounding compliance team at an academic medical center. Am J Health-Syst Pharm. 2020;79:882-891. - 2021
- Michigan Society of Health-System Pharmacists (MSHP) Pharmacist of the Year – 2021
- Michigan Pharmacists Association Wall of Honor - 2020
- University of Toledo College of Pharmacy Distinguished Alumni Award – 2018
- University of Michigan Phi Lambda Sigma Alumni of the Year – Delta Kappa Chapter - 2014
- 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

### **RESEARCH EXPERIENCE**

Jones A, Mohammed R, **Clark JS**. Burnout in pharmacy practitioners.

- Co-Investigator
- 2020

Wright K, Dekarske B, **Clark JS**, Chaffee BW. Parenteral Product Error Detection Before and After Implementation of Intravenous (IV) Workflow Management Technology.

- Co-Investigator
- 2014

Engels M, Chaffee BW, **Clark JS**. Comparison and Alignment of an Academic Medical Center’s Strategic Goals with Pharmacy Practice Model (PPM) Recommendations

- Co-Investigator
- 2014

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

- Co-Investigator
- 2012

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

resuscitation events

- Co-Investigator
- 2009

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

- Co-Investigator
- 2007

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

- Co-Investigator
- 2005

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

- Co-Investigator
- 2003

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

- Principal Investigator
- 2001

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

- Co-Investigator
- 2001

### **FUNDED GRANTS**

Mueller BA, Jang SM, **Clark JS**. Baxter - Time Motion Study of CRRT Solutions. Continued. Co-Investigator. 2% salary support.

- Evaluation of Time-Motion of bag preparation

Mueller BA, Shaw A, **Clark JS**. Baxter - Time Motion Study of CRRT Solutions. Co-Investigator. \$92,574 – 5% salary support  
October 2015

- Evaluation of Time-Motion of bag preparation

Wright K, Chaffee BW, **Clark JS**. Baxter - Co-Investigator. \$52,822 – 2.5% salary support  
July 2014

- Evaluation of Error Detection of Parenteral Product Preparation in Infusion Pharmacies Before and After Implementation of IV Workflow Management Technology.
- Grant to evaluate error detection and use of technology to prevent errors

**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

### **GRANTS NOT FUNDED**

Engels M, Kelley LR, **Clark JS.** Cross-walk Analysis Comparing an Academic Medical Center with Pharmacy Practice Model Initiative Goals. ASHP Foundation. Co-investigator. \$5,000  
October 2013

### **PEER REVIEWED PUBLICATIONS**

37. **John S. Clark.** Fiercely collaborative: A discussion of teamwork, trust, and appreciation in pharmacy practice. *Amer J Health-System Pharm.* 2025. In press.

36. Eric M. Tichy, James M. Hoffman, Mina Tadrous, Matthew H. Rim, Sandra Cuellar, **John S. Clark,** Mary Kate Newell, Glen T. Schumock. National trends in drug expenditures and projections for 2024. *Amer J Health-System Pharm.*2024;81:583-598.  
*All aspects*

35. Taylor MacKinnon, Kristen Schaeffler, Stan Kent, **John S. Clark.** Program for advancing supervisor skills among pharmacy technicians. *Amer J Health-System Pharm.* 2024;81:235-240.  
*Analysis, Execution of Program, Critical Review*

34. Eric M. Tichy, James M. Hoffman, Mina Tadrous, Matthew H. Rim, Katie M. Suda, Sandra Cuellar, **John S. Clark,** Mary Kate Newell, Glen T. Schumock. National trends in drug expenditures and projections for 2023. *Amer J Health-System Pharm.*2023;80:899-913.  
*All aspects*

33. **John S. Clark,** Toni Fera, Christopher Fortier, Kristine Gullickson, Amanda Hays, Lee Murdough, Ricky Ogden, Brian O'Neal, Jordan Rush, Tyler Vest. ASHP Guidelines on the Prevention of Diversion of Controlled Substances. *Amer J Health-Syst Pharm.* 2022;79:2279-2306.  
*All aspects*

32. **John S. Clark,** Scott Knoer, Kelsey A. Waier<sup>^</sup>, Derek R. Montgomery<sup>^</sup>, Joseph Cesarz, Noelle R.M. Chapman, Despina Kotis. Maximizing pharmacists' scope of practice. *AmerJ Health-System Pharm.* 2022;79:1397-1401.  
*All aspects*

31. Rima A. Mohammed, Adam M. Jones<sup>^</sup>, **John S. Clark.** Changing patterns of the prevalence of burnout and secondary traumatic stress in health-system pharmacy throughout the COVID-19 pandemic. *J Amer Coll of Clinical Pharm.* 2022;5:674-681.  
*Critical Review*

30. Eric M. Tichy, James M. Hoffman, Katie M. Suda, Matthew H. Rim, Mina Tadrous, Sandra Cuellar, **John S. Clark**, Jennifer Ward, Glen T. Schumock. National trends in drug expenditures and projections for 2022. *Amer J Health-System Pharm.* 2022;79:1158-1172.  
*Writing, Analysis, Critical Review*
29. Eric M. Tichy, James M. Hoffman, Katie J. Suda, Matthew H. Rim, Mina Tadrous, Sandra Cuellar, **John S. Clark**, Michelle D. Wiest, Linda M. Matusiak, Glen T. Schumock. Predicting future drug expenditures and projections for 2021. *Amer J Health-System Pharm.* 2021;78:1294-1308.  
*Writing, Analysis, Critical Review*
28. Adam M. Jones<sup>^</sup>, **John S. Clark**, Rima A. Mohammed. Burnout and secondary traumatic stress in health-system pharmacists during the COVID-19 pandemic. *Amer J Health-System Pharm.* 2021;78:818-824.  
*Critical Review*
27. Adam M. Jones<sup>^</sup>, Sacha Pollard Deloney, **John S. Clark**. Survey of health-system leadership pathways: A 10-year revisit. *Journal of Pharmacy Practice.* 2022;35:396-402.  
*Conceptualization, critical review*
26. Amy L. Pasternak, Kristen M. Ward, Mohammad B. Ateya, Hae Mi Choe, Amy N. Thompson, **John S. Clark**, Vicki Ellingrod. Establishment of a pharmacogenomic service focused on optimizing existing pharmacogenomic testing at a large academic medical center. *J. Pers. Med.* 2020;10:154.  
*Conceptulization, Critical Review*
25. **John S. Clark**, Jamie C. Tharp, Dipale Patel, Adam Desmarais. Compounding facilities assessment and planning: A focus on USP <797> and USP <800>. *Am J Health-System Pharm.* 2020;77:1910-1913.  
*All aspects*
24. Bruce W. Chaffee, Jamie C. Tharp, **John S. Clark**, Stanley S. Kent. A compounding compliance team at an academic medical center. *Am J Health-System Pharm.* 2020;77:882-891.  
*Writing, Analysis, Critical Review*
23. Eric M. Tichy, Glen T. Schumock, James M. Hoffman, Katie J. Suda, Matthew H. Rim, Mina Tadrous, Sandra Cuellar, **John S. Clark**, Michelle D. Wiest, Linda M. Matusiak, Robert J. Hunkler, Lee C. Vermeulen. National trends in prescription drug expenditures and projections for 2020. *Am J Health-System Pharm.* 2020;77:1213-1230.  
*Writing, Analysis, Critical Review*
22. Glen T. Schumock, Joanne Stubbings, James M. Hoffman, Michelle D. Wiest, Katie J. Suda, Matthew H. Rim, Mina Tadrous, Eric M. Tichy, Sandra Cuellar, **John S. Clark**, Linda M. Matusiak, Robert J. Hunkler, Lee C. Vermeulen. National trends in prescription drug expenditures and projections for 2019. *Am J Health-System Pharm.* 2019;76:1105-1121.  
*Writing, Analysis, Critical Review*
21. Stanley S. Kent, **John S. Clark**. Disruptive forces in Healthcare. *Am J Health-System Pharm.* 2019;76:98-100.  
*All aspects*
20. Casey D. Spitzer<sup>^</sup>, Philip Brummond, Brian Fairbrother, Mary Duck, **John S. Clark**. Industrial operations engineering and pharmacy. *Am J Health-System Pharm.* 2019;76:57-59.  
*Conceptualization, Critical Review*
19. Kelly R. Wright, Brian DeKarske<sup>^</sup>, **John S. Clark**, Bruce W. Chaffee. Parenteral product error before and after implementation of intravenous workflow management technology. *J Oncol Pharm Practice* 2019;25:5-15.  
*Conceptualization, Design, Critical Review*

18. Lee C. Vermeulen, Natalie D. Eddington, Michelle A. Gourdine, James Jorgenson, David A. Kvanecz, Suzanne A. Nesbit, Mark C. Bicket, William A. Zellmer, Amanda Hine, Sylvia Belford, Steve G. Peters, James M. Hoffman, William E. Schwab, Scott Knoer, Delos (Toby) Cosgrove, Stan S. Kent, **John S. Clark**. ASHP Foundation Forecast 2019: Strategic Planning Advice for Pharmacy Departments in Hospitals and Health-Systems. *Am J Health-Syst Pharm*. 2018 Oct 29. Published ahead of print.  
*Writing, Critical Review*
17. Soo Min Jang<sup>^</sup>, **John S. Clark**, Bruce A. Mueller. Update on preparation of solutions for continuous renal replacement therapy. *Am J Health-Syst Pharm*. 2018; 75: 931-932.  
*Access to practice site, procurement of product, Critical Review*
16. Alexander R. Shaw<sup>^</sup>, Weerachai Chaijamorn<sup>^</sup>, **John S. Clark**, Bruce A. Mueller. Preparation times and costs for various solutions used for continuous renal replacement therapy. *Am J Health-Syst Pharm*. 2018;75:808-15.  
*Access to practice site, Critical Review*
15. Anthony M. Boyd<sup>^</sup>, **John S. Clark**, and Stan S. Kent. Strategic thinking in pharmacy. *Am J Health-Syst Pharm*. 2017;4:329-334.  
*Conceptualization, Design, Critical Review*
14. Philip W. Brummond, David F. Chen, William W. Churchill, **John S. Clark**, Kevin R. Dillon, Doina Dumitru, Lynn Eschenbauer, Toni Fera, Christopher R. Fortier, Kristine K. Gullickson, Kristen Jurakovich, Stan Kent, Jennifer Keonavong, Christine Marchese, Tricia Meyer, Lee B. Murdaugh, Richard K. Ogden, Brian C. O'Neal, Steve Rough, Rafael Saenz, Jacob S. Smith. ASHP Guidelines on the Preventing Diversion of Controlled Substances. *Am J Health-Syst Pharm*. 2017;74:e10-33.  
*Conceptualization, Critical Review*
13. Melanie J. Engels<sup>^</sup>, Bruce W. Chaffee, **John S. Clark**. Comparison and alignment of an academic medical center's strategic goals with ASHP initiatives. *Am J Health-System Pharm*. 2015;72:2065-2078.  
*Conceptualization, Design, Analysis, Critical Review*
12. **John S. Clark**. A vision for the future of pharmacy residency training. *Am J Health-Syst Pharm*. 2014;71:1196-1198.  
*All aspects*
11. Jennifer Hlubocky<sup>^</sup>, Philip Brummond, **John S. Clark**. Pharmacy practice model change: Lean thinking provides a place to start. *Am J Health-Syst Pharm* 2013;70:845-847.  
*Design, Writing, Critical Review*
10. Marcy DelMonte<sup>^</sup>, **John S. Clark**. Pharmacy residents' experiences and attitudes toward participation in cardiopulmonary resuscitation (CPR) events at academic medical centers. *Hospital Pharmacy* 2011;46:864-875.  
*Conceptualization, Analysis, Critical Review*
9. Paul C. Walker, Kathy S. Kinsey, Michael D. Kraft, Nancy A. Mason, **John S. Clark**. Improving student education and patient care through an innovative introductory practice experience. *Am J Health-Syst Pharm*. 2011;68:655-660.  
*Conceptualization, Critical Review*
8. **John S. Clark**, Nabil Khalidi, Kristen C. Klein, Darcie D. Streetman, Michael E. Gregory, John P. Johnston. Using a novel approach to collect, disseminate, and assess residency application materials. *Am J Health-Syst Pharm* 2010;67:741-5.  
*Conceptualization, Analysis, Writing, Critical Review, Corresponding Author*

7. Sacha R. Pollard<sup>^</sup>, **John S. Clark**. Survey of health-system pharmacy leadership pathways. *Am J Health-Syst Pharm* 2009;66:947-52.  
*Conceptualization, Analysis, Critical Review*
6. Marlene R. Miller, Michael Rinke\*, **John S. Clark**, Mudd S, Moon MR. Prescribing Errors in a Pediatric Emergency Department. *Pediatr Emerg Care* 2008; 24:1-8.  
*Conceptualization, Implementation of Service, Analysis, Critical Review*
5. **John S. Clark**. Developing the future of pharmacy through health-system pharmacy internship programs. *Am J Health-Syst Pharm* 2007; 64:952-4.  
*Conceptualization, Implementation of Service, Writing, Analysis, Critical Review, Corresponding Author*
4. Marlene R. Miller, **John S. Clark**, Christoph U. Lehmann. Computer-based medication error reporting: insights and implications. *Qual Saf Health Care* 2006;15 208-213.  
*Conceptualization, Analysis, Critical Review*
3. George Kim\*, Michael A. Veltri, **John S. Clark**, Christoph U. Lehmann. Decreasing Errors in Pediatric Continuous Intravenous Infusions. *Pediatr Crit Care Med* 2006;7:225-230.  
*Conceptualization, Implementation of Service, Data Collection, Analysis, Critical Review*
2. Kara A. Bazzie<sup>^</sup>, David Witmer, Brian Pinto, Colleen Bush, **John S. Clark**, Joseph Deffenbaugh. A National Survey of Dietary Supplement Policies in Acute Care Facilities. *Am J Health-Syst Pharm* 2006;63:65-70.  
*Analysis, Critical Review*
1. **John S. Clark**, James A. Klauck. Recording Pharmacists' Clinical Interventions with a Personal Digital Assistant. *Am J Health-Syst Pharm* 2003;60: 1772-1774.  
*Development and Implementation of Technology, Data Collection, Analysis, Critical Review, Corresponding Author*

Name<sup>^</sup> are pharmacy residents, and name\* are professional students with which I have worked.

### **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*. 2<sup>nd</sup> 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**

6. **Clark JS**. Findings of Pharmacy Practice Model Initiative Survey. UHC White Paper. May 2013.  
[https://www.uhc.edu/docs/55019630\\_PPMI\\_Survey-AMC\\_Responses\\_Summary.pdf](https://www.uhc.edu/docs/55019630_PPMI_Survey-AMC_Responses_Summary.pdf)

5. 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. [https://www.uhc.edu/docs/003741703\\_PharmPracticeModel.pdf](https://www.uhc.edu/docs/003741703_PharmPracticeModel.pdf)
4. **Clark JS**, Landini KM, Shoemaker DS. Implementing a high volume unit dose packaging machine. Pharmacy Purchasing and Products 2009;10;14-17.
3. 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.
2. **Clark JS**, Koneru MB, Weibel KJ. Improving Quality through Accreditation. J Pharm Soc of Wis 2001;July/August:18-20.
1. **Clark JS**, Vermeulen LC. Hospital Pharmacy in the United States. International Pharmacy Journal 2002;16:18-19.

#### **POSTER PRESENTATIONS**

Ward K, Pasternak A, Ateya M, Choe HM, Thompson A, **Clark JS**, Ellingrod V. First Year Experiences of a Pharmacogenomics Service at a Large Academic Medical Center. Presented at Clinical Pharmacogenomics Implementation Consortium (CPIC) Meeting. June 2019.

Wright K, Dekarske B, **Clark JS**, Chaffee BW. Parenteral Product Error Detection Before and After Implementation of Intravenous (IV) Workflow Management Technology. Presented at the American Society of Health-System Pharmacists (ASHP) Summer Meeting. June 2015.

Engels M, Chaffee BW, **Clark JS**. Comparison and Alignment of an Academic Medical Center’s Strategic Goals with Pharmacy Practice Model (PPM) Recommendations. Presented at the American Society of Health-System Pharmacy (ASHP) Midyear Clinical Meeting. December 2013.

Veltman K., **Clark JS**. Precision of First-Dose Transdermal Fentanyl Prescribing. Presented at the American Society of Health-System Pharmacy (ASHP) Midyear Clinical Meeting. December 2013.

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, Ascenzi 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, Ascenzi 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

## **PRESENTATIONS**

### **Invited**

**Fiercely Collaborative: A Discussion of Teamwork, Trust, and Appreciation in Pharmacy Practice –** John W. Webb Award Lecture – University of Michigan Pharmacy Grand Rounds  
March 2025

**Fiercely Collaborative: A Discussion of Teamwork, Trust, and Appreciation in Pharmacy Practice –** John W. Webb Award Lecture – University of Toledo Pharmacy Student Leadership Retreat  
October 2024

**Fiercely Collaborative: A Discussion of Teamwork, Trust, and Appreciation in Pharmacy Practice** – John W. Webb Award Lecture – Northeastern University Visiting Professor  
October 2024

**Fiercely Collaborative: A Discussion of Teamwork, Trust, and Appreciation in Pharmacy Practice** – John W. Webb Award Lecture – ASHP Leadership Conference  
October 2024

**A Reflection on Dreaming Big, Working Hard, and Staying Humble** – Winston J. Durant Award Lecture – ASHP Midyear Clinical Meeting  
December 2023

**Predicting Future Drug Expenditures** – American Society of Health-System Pharmacy – Webinar  
May 2023

**Predicting Future Drug Expenditures** – American Society of Health-System Pharmacy – Webinar  
May 2022

**Predicting Future Drug Expenditures** – American Society of Health-System Pharmacy – Webinar  
May 2021

**Predicting Future Drug Expenditures** – American Society of Health-System Pharmacy – Webinar  
June 2020

**ASHP Practice Advancement Initiative 2030** – American Society of Health-System Pharmacy – Home Study Webinar  
May 2020

**Generating National Impact with the Practice Advancement Initiative (PAI) 2030** – American Society of Health-System Pharmacy – ASHP Midyear Clinical Meeting  
December 2019

**Preceptors: A View from the “Stand”ards** – Cleveland Clinic Foundation – 1<sup>st</sup> Annual Preceptor Conference Keynote  
May 2018

**Creating a Values-based Culture** – American Society of Health-System Pharmacy – ASHP Midyear Clinical Meeting  
December 2016

**Post-Graduate Models in the other Health Professions: Current Barriers and Opportunities for Collaboration** – Macy Regional Conferences on Innovations in GME  
May 2016

**Understanding the Affordable Care Act and Maximizing Reimbursement** – Michigan Society of Health-System Pharmacists – Annual Meeting  
November 2014

**PGY-1 Pharmacy Residency Standards: Preparing for the Future of Pharmacy Residency Training** – Michigan Society of Health-System Pharmacists – Annual Meeting  
November 2014

**Team Building: Is Your Team Maximizing Opportunity to Build Residency Training?** – American Society of Health-System Pharmacists – National Pharmacy Preceptor Conference  
August 2014

**Residency Accreditation at 50 Years: A Bold Vision for the Future** – 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

**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

**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

**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 University HealthSystem Consortium Pharmacy Council Meeting  
December 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

**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

**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

**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

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

#### **Programming Proposed and Accepted**

**Selecting Pharmacy Residency Candidates: How to Select the Best from the Rest** – American Society of Health-System Pharmacists – National Pharmacy Residency Preceptor Conference  
August 2014

**Mentoring for Success** – 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

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

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

**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

#### **Other Presentations**

**Point of Care Pharmacist: Role of a PCP** – Audience 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** – Audience of Pharmacy staff at Johns Hopkins Hospital  
June 2004

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

### 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

### TEACHING EXPERIENCE

University of Michigan College of Pharmacy  
2007-present  
Approximately 85 student classes

- Precept P4 students on Pharmacy Practice Management (Non-traditional) APPE Rotation – 2014-present
- Precept P4 students on Pharmacy Practice Management (Non-traditional) APPE Rotation with Dr. Jim Stevenson - 2007-2014
- **Pharm 202 – Career Exploration** – Fall 2018 (1 contact hour), Fall 2019 (1 contact hour), Fall 2020 (1 contact hour); Fall 2021 (1 contact hour)
- **Pharm 302 – Personal Development** – Fall 2017 (1 contact hour), Fall 2018 (1 contact hour), Fall 2019 (1 contact hour), Fall 2020 (1 contact hour), Fall 2021 (1 contact hour)
- **Pharm 420 – Introduction to Health Care Systems and Pharmacy Law** - Course Coordinator – Winter 2010 (21 contact hours); Quality Assurance Lecture - 2007-08, 2008-2009 and Hospital Pharmacy Practice Lecture - 2008-2009
- **Pharm 516 – Introduction to Health Care Systems** – Winter 2022 (1 contact hour); Winter 2023 (1 contact hour); Winter 2024 (6 contact hours)
- **Pharm 616 (422) – Health-System Pharmacy Practice and Leadership** - Course Coordinator (2012 until Winter 2014 and Winter 2020) – Winter 2012 (46 student contact hours), Winter 2013 (54 contact hours), Winter 2014 (29 contact hours), Winter 2015 (19 contact hours), Winter 2016 (19 contact hours), Winter 2017 (19 contact hours), Winter 2018 (16 contact hours), Winter 2019 (16 contact hours); Winter 2020 (25 contact hours); Winter 2021 (22 contact hours), Winter 2022 (13 contact hours); Winter 2023 (13 contact hours); Winter 2024 (13 contact hours)
- **Pharm 617 – Foundations of Pharmacy Leadership (elective course)** - Co-Course Coordinator (2022-present) – Winter 2022 (10 contact hours); Winter 2023 (10 contact hours)
- **Pharm 426 – Immunization Advocacy and Administration** - Justifying Pharmacy Clinical Services Lecture 2008-2009, 2009-2010, 2010-2011, 2010-2011, 2011-2012, 2012-2013
- **Pharm 550 – Opportunities in Pharmacy (elective course)** - Communication and Professionalism 2009, 2010, 2011, 2012; Change Management and Leadership – 2010, 2011, 2012; Preparing for ASHP Midyear Clinical Meeting 2012
- **Pharm 680 – Pharmacy Student Seminar** - Precept seminar students 2007-2008 -2 students, 2008-2009 – 3 students, 2009-2010 – 2 students, 2010-2011 – 2 students, 2011-2012 – 2 students, 2012-2013 – 2 students, 2013-2014 – 2 students, 2014-2015 – 2 students, 2015-2016 – 2 students, 2016-2017 – 2 students, 2017-2018 – 2 students, 2018-2019 – 1 student, 2019-2020 – 2 students; 2020-2021 – 2 students; 2022-2023 – 2 students; 2023-2024 - 2 students

- **UC 151 – Contemporary Issues in Medication Use and Pharmacy (undergraduate course) -** Course Coordinator - Winter 2008 (18 contact hours) and Winter 2009 (18 contact hours)
- **Pharm.D. Investigations** – Kate Veltman 2012-2014 – Use of Fentanyl Patches in an Academic Medical Center; Alexander Duthier 2015-2018 – Medical Scribes and Impact on Prescription Errors

### CONSULTATIONS

#### **Visante' Senior Consultant**

- **ProMedica** – Pharmacy Organizational Structure and Strategic Planning – January 2024-present

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

- **Queens Medical Center** – PGY-1 – May 2015
- **University of Kansas Medical Center** – PGY-1 Residency – November 2014
- **University of Rochester Medical Center** – PGY-1 Residency – September 2014
- **Hospital of the University of Pennsylvania** – PGY-1 Residency - February 2014
- **St. David's South Austin Medical Center** – PGY-1 Residency - September 2013
- **North Mississippi Medical Center** – PGY-1 Residency - July 2013
- **Memorial Hospital South Bend** – PGY-1 Residency - May 2013
- **University Health System – San Antonio** – PGY-1 Residency - March 2013
- **St. Vincent's HealthCare – Jacksonville** – PGY-1 Residency – 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 Health-System Pharmacy Administration Surveyor**

- **University of Washington Medical Center** – PGY-1/PGY-2 Combined with M.S – June 2015

**American Society of Health-System Pharmacists Pharmacy Technician Program Surveyor**

- **Chemeketa Community College** – May 2014
- **Virginia College of Richmond** – November 2012

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

**PROFESSIONAL AFFILIATIONS**

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

1999-Present

- Commission on Credentialing Appointee (2010-2015)
  - Vice-Chair (2012)
  - Chair (2013)
  - Past-Chair (2014)
- FASHP Recognition Committee (2021-present)
  - Member
- International Pharmacy Residency Commission (2016-2021)
  - Member
- ASHP PAI 2030 Advisory Group (2019-2021)
  - Chair 2019-2021
- ASHP Pharmacy Leadership Academy (PLA) – 2018-present
  - Capstone course teacher 2018-present
  - Capstone course co-coordinator – 2021-present
- Center on Pharmacy Practice Advancement Advisory Committee (2013-2019)
  - Chair 2018-2019 (Pharmacy Advancement Initiative Committee)
  - Chair 2019-2021 (PAI 2030 Advisory Committee)

- Council Appointee (Council on Professional Affairs - June 2003-2005)
  - Residency Accreditation Surveyor (2005-2015)
  - ASHP Foundation Residency Excellence Award Reviewer (2013)
  - ASHP Foundation Fundraising Committee (2005-2007)
  - Section of Pharmacy Practice Managers
    - o Committee on Nominations (2014-2016)
    - 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 (2010-2014)
      - Chair 2012-2013
      - Vice-Chair 2011-2012
- **University Health System Consortium (Vizient Consortium Pharmacy Network)**  
July 2005-present
- Pharmacy Advisory Committee
  - Pharmacy Executive Committee (2014-2019)
  - Committee Appointee (Performance Improvement and Compliance Committee)
    - o Vice-Chair (2010-2013)
    - o Chair (2014-2016)
- **Center for Pharmacy Practice Accreditation**  
2013-2017
- Standards Committee Appointee (2013-2017)
- **Michigan Pharmacists Association (MPA) and Michigan Society of Health System Pharmacists (MSHP)**  
2007-present
- MPA Board of Directors (2021-present)
  - MSHP Past-President (2020)
  - MSHP President (2019)
  - MSHP President-elect (2018)
  - MSHP Residency Committee Member (2009-2017; 2023-2024)
  - MSHP Education Committee Member (2020-2021)
- **University of Toledo College of Pharmacy Alumni Affiliate**  
2007-2012
- Past-President (2010-2011)
  - President (2009-2010)
  - Vice-President (2008-2009)
  - Secretary (2007-2008)
  - Alumni Affiliate Board Member (2007-2012)
- **Maryland Society of Health System Pharmacists**  
2002-2007
- President (January – March 2007)
  - President-Elect (2006)
  - Board of Directors (2005)
  - Maryland Delegate to ASHP House of Delegates (2006)
  - Alternate Delegate to ASHP House of Delegates (2005)

**ACADEMIC SERVICE**

- University of Michigan College of Pharmacy Diversity, Equity, and Inclusion Committee  
2015-2023
- University of Michigan College of Pharmacy International Committee  
2014-2015
- University of Michigan College of Pharmacy Dean Search Committee  
2013-2014; 2021-2022
- University of Michigan Curriculum Sub-Committee Co-Chair – Health Systems  
2010-2014
- University of Michigan Residency Advisory Committee Chair  
2008-2018
- University of Maryland College of Pharmacy Preceptor Group for ACPE Accreditation  
2006

**POSTGRADUATE RESIDENCY TRAINEES****PGY-1 PHARMACY RESIDENCY PROGRAM**

Served as Pharmacy Residency Program Director for these trainees

**University of Michigan PGY-1**

Abdullah Al-Ajmi (2022-2023)  
 Kenton Cooksey (2022-2023)  
 Meagan Dean (2022-2023)  
 Brianna Groen (2022-2023)  
 Nour Kadouh (2022-2023)  
 Valerie Moore (2022-2023)  
 Alex Nixon (2022-2023)  
 Meg Olsen (2022-2023)  
 Raneem Pallotta (2022-2023)  
 Nick Shabanowitz (2022-2023)  
 Ashlyn Whitesell (2022-2023)  
 Isabelle Zerfas (2022-2023)  
 Mina Chau (2021-2022)  
 Annessi Elmasri (2021-2022)  
 Joseph Elijah (2021-2022)  
 Michelle Lee (2021-2022)  
 Christy Khouderchah (2021-2022)  
 Morgan Marriott (2021-2022)  
 Amoreena Most (2021-2022)  
 Michelle Nguyen (2021-2022)  
 Lirany Pimentel (2021-2022)  
 Nick Pokora (2021-2022)  
 Abbey Schwery (2021-2022)  
 Lauren Spreen (2021-2022)  
 Taylor Coe (2020-2021)  
 Sydnee Cohen (2020-2021)  
 Carl Okerberg (2020-2021)  
 Jessica Sharkey (2020-2021)  
 Mo Fung (2020-2021)  
 Roberta Wilson (2020-2021)

Colin Finley (2020-2021)  
Ryan Sutherlan (2020-2021)  
Anisa Bici (2020-2021)  
Kaylee Clark (2020-2021)  
CarolAnne Wartman (2020-2021)  
Jacqueline Dela Pena (2020-2021)  
Sonya Anderson (2019-2020)  
Grace Baek (2019-2020)  
Brian Bazzell (2019-2020)  
YeeAnn Chen (2019-2020)  
Madison Irwin (2019-2020)  
Trung Ky (2019-2020)  
Madeleine Ochs (2019-2020)  
Millicynth Talagtag (2019-2020)  
Andrew Tam (2019-2020)  
Alina Varabyeva (2019-2020)  
David Corwin (2018-2019)  
Jefferson Cua (2018-2019)  
Joseph Cusimano (2018-2019)  
Nicholas Franz (2018-2019)  
Morgan Homan (2018-2019)  
Emily Hoylman (2018-2019)  
Madeline Lipp (2018-2019)  
Kyle Quirk (2018-2019)  
Justin Reid (2018-2019)  
Xhilda Xhemali (2018-2019)  
Jenna Bartlett (2017-2018)  
Alexandra Bixby (2017-2018)  
Edna Cheung (2017-2018)  
Jacenta Gabriel (2017-2018)  
Marina Maes (2017-2018)  
Todd Hershberger (2017-2018)  
Brian Kurish (2017-2018)  
Megan Lim (2017-2018)  
Heena Patel (2017-2018)  
Taylor Weis (2017-2018)  
Sarah Aldrich (2016-2017)  
David Dadiomov (2016-2017)  
Victoria Nachar (2016-2017)  
Deeter Neumann (2016-2017)  
Cory Smith (2016-2017)  
Allie Snoke (2016-2017)  
Anthony Boyd (2015-2016)  
Monique Conway (2015-2016)  
Ryan DasGupta (2015-2016)  
Nada Farhat (2015-2016)  
Joslyn Neal (2015-2016)  
Gianni Scappaticci (2015-2016)  
Suhail Shaikh (2015-2016)  
Yihan Sun (2015-2016)  
Lisa Albrecht (2014-2015)  
Jacob Barker (2014-2015)  
Lydia Benitez (2014-2015)  
Caitlin Early (2014-2015)  
Nghì Ha (2014-2015)  
Bonnie Kaminsky (2014-2015)

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)  
 Ngoc Vu (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)

**PGY1/2 HEALTH-SYSTEM PHARMACY ADMINISTRATION RESIDENCY AND LEADERSHIP PROGRAM**

Served as Pharmacy Residency Program Director for these trainees

**University of Michigan PGY1/2 Health-System Pharmacy Administration and Leadership Residency**

Samuel Fordjour (2024-2026)  
 Elyn Lam (2024-2026)  
 Hadil Shalan (2023-2025)  
 Anastazia Capparelli (2022-2024)  
 Emma Klaserner (2022-2024)

**PGY-2 PHARMACY RESIDENCY PROGRAM**

Served as Pharmacy Residency Program Director for these trainees

**University of Michigan PGY2 Pediatric Pharmacy Residency**

Abigail Schauble (2017-2018)