

Education:

Doctor of Pharmacy	University of Pittsburgh School of Pharmacy. Pittsburgh PA, 2006
B.S. Chemistry	Gannon University, Erie, PA, 2002

Licensure and Certification:

Registered Pharmacist, Pennsylvania, RP441221	2006 - Present
Registered Pharmacist, Michigan, 5302038100	2007 – Present
Board Certified Pharmacotherapy Specialist (BCPS)	2007 – Present
• Added qualifications in Infectious Diseases	2009 – Present
Board Certified Infectious Diseases Pharmacist	2018 – Present

Pharmacy Experience:

Clinical Pharmacist, Infectious Diseases – Michigan Medicine	2019 – Present
• Ann Arbor, Michigan	
Clinical Pharmacist, Infectious Diseases - Sinai-Grace Hospital	2008 – 2019
• Detroit, Michigan	
PGY – 2 Infectious Diseases Resident	2007 – 2008
• University of Michigan Health Systems, Ann Arbor, Michigan	
PGY – 1 Pharmacy Practice Resident	2006 – 2007
• University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania	

Faculty Appointments:

Clinical Professor	2019 – Present
• University of Michigan College of Pharmacy, Ann Arbor, Michigan	
Clinical Assistant Professor of Medicine	2009 – 2019
• Wayne State University School of Medicine, Detroit, Michigan	
Adjunct Clinical Assistant Professor	2009 – 2019
• University of Michigan College of Pharmacy, Ann Arbor, MI	
Associate Clinical Professor	2009 – 2019
• University of Pittsburgh School of Pharmacy, Pittsburgh, Pennsylvania	

Adjunct Clinical Instructor

2007 – 2009

- University of Michigan College of Pharmacy, Ann Arbor, MI

Publications:

119. Albin OR, **Pogue JM**, Petty LA, Kaye KS. Asymptomatic bacterisputia: Rethinking diagnostic stewardship in pneumonia. *Infect Control Hosp Epidemiol*. 2021 May 3:1-3.
118. Albin OR, Henig O, Patel TS, Valley TS, **Pogue JM**, Petty LA, Mills JP, Brancaccio A, Martin ET, Kaye KS. Clinical Implications of Microbiologic Treatment Failure in the Setting of Clinical Cure of Bacterial Pneumonia. *Clin Infect Dis*. 2020 Dec 15;71(12):3033-3041.
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115. Hua X, Li C, **Pogue JM**, Sharma VS, Karaiskos I, Kaye KS, Tsuji BT, Bergen PJ, Zhu Y, Song J, Li J. ColistinDose, a Mobile App for Determining Intravenous Dosage Regimens of Colistimethate in Critically Ill Adult Patients: Clinician-Centered Design and Development Study. *JMIR Mhealth Uhealth*. 2020 Dec 16;8(12):e20525.
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113. Yang Q, Pogue JM, Li Z, Nation RL, Kaye KS, Li J. Agents of Last Resort: An Update on Polymyxin Resistance. *Infect Dis Clin North Am*. 2020 Dec;34(4):723-750.
112. Vaughn VM, Gandhi TN, Chopra V, Petty LA, Giesler DL, Malani AN, Bernstein SJ, Hsaiky LM, **Pogue JM**, Dumkow L, Ratz D, McLaughlin ES, Flanders SA. Antibiotic Overuse after Hospital Discharge: A Multi-Hospital Cohort Study. *Clin Infect Dis*. 2020 Sep 11:ciaa1372.
111. Cwengros LN, Mynatt RP, Timbrook TT, Mitchell R, Salimnia H, Lephart P, **Pogue JM**. Minimizing Time to Optimal Antimicrobial Therapy for Enterobacteriaceae Bloodstream Infections: A Retrospective, Hypothetical Application of Predictive Scoring Tools vs Rapid Diagnostics Tests. *Open Forum Infect Dis*. 2020 Jul 2;7(8):ofaa278.
110. Morrisette T, Lodise TP, Scheetz MH, Goswami S, **Pogue JM**, Rybak MJ. The Pharmacokinetic and Pharmacodynamic Properties of Hydroxychloroquine and Dose Selection for COVID-19: Putting the Cart Before the Horse. *Infect Dis Ther*. 2020 Sep;9(3):561-572.

109. Ambrose PG, Bhavnani SM, Andes DR, Bradley JS, Flamm RK, **Pogue JM**, Jones RN. Old In Vitro Antimicrobial Breakpoints Are Misleading Stewardship Efforts, Delaying Adoption of Innovative Therapies, and Harming Patients. *Open Forum Infect Dis*. 2020 Mar 13;7(7):ofaa084.
108. Davis MR, McCreary EK, **Pogue JM**. That Escalated Quickly: Remdesivir's Place in Therapy for COVID-19. *Infect Dis Ther*. 2020 Sep;9(3):525-536.
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100. Albin OR, Henig O, Patel TS, Valley TS, **Pogue JM**, Petty LA, Mills JP, Brancaccio A, Martin ET, Kaye KS. Clinical Implications of Microbiologic Treatment Failure in the Setting of Clinical Cure of Bacterial Pneumonia. *Clin Infect Dis*. 2020 Dec 15;71(12):3033-3041.
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90. Henig O, Cooper CC, Kaye KS, Lephart P, Salimnia H, Taylor M, Hussain N, Hussain Z, Deeds K, Hayat U, Patel J, **Pogue JM**. The hypothetical impact of Accelerate Pheno™ system on time to effective therapy and time to definitive therapy in an institution with an established antimicrobial stewardship programme currently utilizing rapid genotypic organism/resistance marker identification. *J Antimicrob Chemother*. 2019 Jan 1;74(Supplement_1): i32-i39.
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- resistant *Staphylococcus aureus* in the region most endemic for vancomycin-resistant *Staphylococcus aureus* isolation. *Eur J Clin Microbiol Infect Dis*. 2013 Jun;32(6):815-20.
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24. Alaniz C, **Pogue JM**. Vancomycin versus linezolid in the treatment of methicillin-resistant *Staphylococcus aureus* nosocomial pneumonia: implications of the ZEPHYR trial. *Ann Pharmacother*. 2012 Oct;46(10):1432-5.
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15. Marchaim D, Chopra T, Bogan C, Bheemreddy S, Sengstock D, Jagarlamudi R, Malani A, Lemanek L, Moshos J, Lephart PR, Ku K, Hasan A, Lee J, Khandker N, Blunden C, Geffert SF, Moody M, Hiro R, Wang Y, Ahmad F, Mohammadi T, Faruque O, Patel D, **Pogue JM**, et.al. The burden of multidrug-resistant organisms on tertiary hospitals posed by patients with recent stays in long-term acute care facilities. *Am J Infect Control*. 2012 Jan 26.
14. Marchaim D, Taylor AR, Hayakawa K, Bheemreddy S, Sunkara B, Moshos J, Chopra T, Abreu-Lanfranco O, Martin ET, **Pogue JM**, et.al. Hospital bath basins are frequently contaminated with multidrug-resistant human pathogens. *Am J Infect Control*. 2011 Dec 15.
13. **Pogue JM**, Lee J, Marchaim D, et.al. Incidence of and risk factors for colistin-associated nephrotoxicity in a large academic health-system. *Clin Infect Dis*. 2011 Nov;53(9):879-84.
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10. **Pogue JM**, Marchaim D, Kaye D, Kaye KS. Revisiting older antibiotics in the era of multi-drug resistance. *Pharmacotherapy*. 2011 Sep;31(9):912-21.
9. Kullar R, Leonard SN, Davis SL, Delgado Jr. G, **Pogue JM**, Wahby KA, Falcione B, Rybak MJ. Validation of a vancomycin nomogram to achieve the vancomycin consensus guidelines suggested trough concentrations of 15 to 20 mg/L. *Pharmacotherapy*. May 2011; 31(5):441-8.
8. Saely S, Kaye KS, Fairfax MR, Chopra T, **Pogue JM** Investigation the impact of the definition of previous antibiotic exposure related to isolation of extended spectrum beta-lactamase producing *Klebsiella Pneumoniae*. *Am J Infect Control*. 2011 Jun;39(5):390-5.
7. **Pogue JM**, Alaniz C, Carver P, Pleva M, Newton D, DePestel DD. The role of unit specific combination antibiograms for improving the selection of empiric therapy for Gram-negative pneumonia. *Infect Control Hosp Epidemiol*. 2011 Mar;32(3): 289-92.
6. Marchaim D, Chopra T, **Pogue JM**, Perez F, Hujer AM, Rudin S, Endimiani A, Navon-Venezia S, Hothi J, Slim J, Blunden C, Shango M, Lephart PR, Salimnia H, Reid D, Moshos J, Hafeez W, Bheemreddy S, Chen TY, Dhar S, Bonomo RA, Kaye KS. Outbreak of colistin-resistant, carbapenem-resistant *Klebsiella pneumoniae* in metropolitan Detroit, MI. *Antimicrob Agents Chemother*. 2011 Feb;55(2):593-9.
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4. **Pogue JM**, Potoski BA, Kaye KS. Aminoglycoside use in the intensive care unit and nephrotoxicity. *Antimicrob Agents Chemother*. 2010 Jun; 54(6):2750.
3. Reddy T, Chopra T, Marchaim D, **Pogue JM**, Alangaden G, Salimnia H, Boikov D, Navon-Venezia S, Akins R, Selman P, Dhar S, Kaye KS. Trends in Antimicrobial Resistance of *Acinetobacter baumannii* isolates from a Metropolitan Detroit Health System. *Antimicrob Agents Chemother*. 2010 March 8.
2. **Pogue JM**, DePestel DD, Kaul DR, Khaled Y, Frame DG. Systemic absorption of oral vancomycin in a peripheral blood stem cell transplant patient with severe graft versus host disease of the gastrointestinal tract. *Transpl Infect Dis*. 2009 Oct; 11(5) 467-70.
1. **Pogue JM**, Paterson DL, Pasculle AW, Potoski BA. Determination of risk factors associated with isolation of linezolid-resistant strains of vancomycin-resistant enterococcus (VRE). *Infect Control Hosp Epidemiol*. 2007; 28(12) 1382-88.

Grant Support:

Ongoing:

Co-investigator, Clinical Pharmacy Coordinator. Principle investigator Keith Kaye, MD. Randomized Controlled Trial for the Treatment of Extensively Drug-Resistant Gram-negative Bacilli. National Institute of Allergy and Infectious Diseases (NIAID). DMID 10-0065. 0.5 FTE support. 2012 – Present

Co-investigator, Clinical Pharmacy Coordinator. Principle Investigators Keith Kaye, MD and Jian Li, PhD. Optimizing clinical use of Polymyxin B: Teaching an Old Drug to Treat Superbugs. NIAID. 0.05 FTE support. 2015 – Present

Consultant and co-investigator. Principle Investigator Krishna Rao, MD. A Comparison of Vancomycin and Fidaxomicin for the Treatment of *C. difficile* Associated Diarrhea in Patients Receiving Concomitant Antibiotics. Merck Pharmaceuticals. \$400/hour, 5-10 hours/year.

Completed:

Co-Principle Investigator (with Federico Perez, MD). A Real-World Comparison of Ceftolozane/Tazobactam versus Polymyxin/Aminoglycoside Based Regimens for the Treatment of MDR/XDR *P. aeruginosa*. Merck Pharmaceuticals. 0.1 FTE support, Total Award \$305,607. 2017-2018.

Selected National and International Presentations:

May 2021. Making a Difference in Infectious Diseases Pharmacotherapy Annual Meeting (Virtual). **Conceptualization in Treating Infectious Diseases: A Framework to Achieve Optimal Outcomes**

January 2021. 4th Annual Texas Medical Center Antimicrobial Resistance and Stewardship Conference (Virtual). **(Re)focusing Antimicrobial Stewardship Efforts on Improving Patient Outcomes.**

December 2020. American Society of Health-Systems Pharmacists Annual Midyear Meeting (Virtual). **Vancomycin + Piperacillin Tazobactam: Does It Kill Your Kidneys?** Pro/Con Debate with Marc Scheetz, PharmD.

October 2020. ID week 2020 (virtual). **Top Antimicrobial Stewardship Papers of 2020.**

October 2020. World Antimicrobial Resistance (Virtual) Congress. **Role of Pharmacists in the management of new agents: supporting appropriate use and patient access to new agents.**

October 2020. MJH Life Sciences™ Covid-19 Coalition Webinar Series. **Navigating the COVID-19 Treatment Landscape: Clinical Controversies Explained.** Panel discussion with Susan Davis, PharmD and Jason Gallagher, PharmD.

May 2020. Royal Pharmaceutical Society and United Kingdom Clinical Pharmacy Association Webinar. **Clinical Pharmacy, Antimicrobial Stewardship, and Covid-19.** Panel discussion with Erin McCreary, PharmD, Jacqui Sneddon, BSc, MSc, PhD, and Mark Gilchrist MPharm, MSc

November 2019. World Antimicrobial Resistance Congress. Washington DC. **Keynote address: 360 of hospital purchasing and antibiotic use – understanding price-based vs stewardship-based purchasing decisions for new antibiotics & diagnostic.** Panel discussion with Dr. Tom File, MD.

July 2019. Infectious Diseases Association of California Spring Meeting. Oakland, California. **How to Identify Targets, Choose the Correct Metrics to Measure, and Demonstrate Efficacy of Interventions.**

July 2019. Infectious Diseases Association of California Spring Meeting. Oakland, California. **Dose optimization as an antimicrobial stewardship strategy.**

May 2019. 10th Annual International Antimicrobial Stewardship Conference sponsored by the Pediatric Infectious Diseases Society and the Society of Infectious Diseases Pharmacists. St. Louis, Missouri. **New and emerging therapies for multi-drug (MDR) and extensively drug resistant (XDR) Gram-negative pathogens.**

March 2019. 3rd Annual Three Rivers Antimicrobial Stewardship Symposium. Pittsburgh, PA. **Dose optimization as an antimicrobial stewardship strategy.**

March 2019. 3rd Annual Three Rivers Antimicrobial Stewardship Symposium. Pittsburgh, PA. **A steward's guide to Verigene optimization.**

November 2018. Infectious Diseases Association of California Spring Meeting. Grove City, California. **How to Identify Targets, Choose the Correct Metrics to Measure, and Demonstrate Efficacy of Interventions.**

November 2018. Infectious Diseases Association of California Spring Meeting. Grove City, California. **Dose optimization as an antimicrobial stewardship strategy.**

November 2018. Society of Infectious Diseases Pharmacists Education Center (SIDPEC) Webinar Series. **Vancomycin: From Trough to AUC.**

October 2018. American College of Clinical Pharmacists Global Conference on Clinical Pharmacy. Seattle, WA. **Highlights from the Polymyxin Guidelines Part one: Agent selection, dosing recommendations, and strategies to decrease toxicity**

September 2018. United States Committee on Antimicrobial Susceptibility Testing (USCAST) Annual Meeting. Baltimore, MD. **Antimicrobial Stewardship Challenges Raised by Suboptimal Breakpoints.**

July 2018. 1st Annual Alabama Infectious Diseases Society (ALIDS) Annual Meeting. Keynote Lecture. **Dose Optimization and an Antimicrobial Stewardship Strategy.**

June 2018. 6th Congreso Centroamericano y del Caribe de Infectología. San Jose, Costa Rica. **Know Thy Enemy: Strategies to optimize time to effective therapy.**

May 2018. 21st Annual Making a Difference in Infectious Diseases Pharmacotherapy Annual Meeting; Orlando, FL. **Should Extended Infusion of Beta-Lactams Be the Standard of Care in Hospitals?**

May 2018. 21st Annual Making a Difference in Infectious Diseases Pharmacotherapy Annual Meeting; Orlando, FL. **AUC's: The New TDM.**

December 2017. Nationwide Antibiotic Stewardship in Hospitals Workshop, Tel Aviv, Israel. **Dosing Considerations for Special Populations.**

December 2017. Nationwide Antibiotic Stewardship in Hospitals Workshop, Tel Aviv, Israel. **Designing, Implementing, and Measuring Stewardship Interventions: Guidelines and Pathways.**

November 2017. National Congress of Hospital Pharmacists –10ª SEMANA APFH, Estoril, Portugal. **Infections due to Multi-drug Resistant Gram-Negative Pathogens: A Challenge and an Opportunity.**

November 2017. National Congress of Hospital Pharmacists –10ª SEMANA APFH, Estoril, Portugal. **Identifying Stewardship Targets and Measuring Interventions: A Playbook for Clinical Pharmacists.**

October 2017. United States Committee on Antimicrobial Susceptibility Testing (USCAST) Annual Meeting. Baltimore, MD. **Polymyxin (colistin and polymyxin B) breakpoints: Can we get there yet?**

October 2017. American College of Clinical Pharmacists Annual Meeting, Phoenix, AZ. **Real or not real? Vancomycin, Piperacillin/tazobactam, and acute kidney injury (AKI).**

October 2017. American College of Clinical Pharmacists Annual Meeting, Phoenix, AZ. **New and emerging treatment options for multi-drug (MDR) and extensively drug resistant (XDR) Gram-negative pathogens.**

June 2017. ASM Microbe Annual Meeting. New Orleans, LA. **Treatment of infections due to carbapenem-resistant Gram-negative pathogens: Optimal management strategies.**

March 2017. European Association of Hospital Pharmacists Annual Meeting, Cannes, France. **New therapeutic options for the treatment of resistant Gram-negative organisms: A primer.**

December 2016. ASHP Midyear Annual Meeting. **Antimicrobial Stewardship and TJC/CMS: How Did We Get Here?**

October 2016. ID Week. New Orleans, LA. **Which is it? The Great Polymyxin Debate.**

October 2016. Best Practices for Antimicrobial Stewardship Programs workshop at ID week. New Orleans, LA. **When should I recommend extended infusion beta lactams?**

October 2016. American College of Clinical Pharmacy (ACCP) annual meeting, Hollywood, FL. **Clinical controversies in the management of infections due to multidrug-resistant Gram-negative bacilli.**

September 2016. Research symposium at the Institute of Antibiotics, Huashan Hospital, Shanghai, China. Keynote Lecture: **Developing your clinical research path: One man's journey from the USA.**

June 2016. ASM Microbe Annual Meeting. Boston, MA. **Treatment Options for Problematic Gram-negative Pathogens.**

May 2016. 19th Annual Making a Difference in Infectious Diseases Pharmacotherapy Annual Meeting. Orlando, FL. **Polymyxin B vs Colistin: One of These Things is Not Like the Other!**

May 2016. 19th Annual Making a Difference in Infectious Diseases Pharmacotherapy Annual Meeting. Orlando, FL. **Current Treatment Options for Troublesome Gram-negative Infections**

February 2016. Society of Critical Care Medicine Annual Meeting. Orlando, FL. **New and emerging treatment options for Gram-negative bacilli.**

January 2015. Society of Critical Care Medicine Annual Meeting, Phoenix, AZ. **Treatment options for *Acinetobacter baumannii*.**

October 2014. American College of Clinical Pharmacy annual meeting, Austin, TX. **Updates and challenges in managing drug-resistant Gram-negative pathogens.**

October 2014. ID Week. Philadelphia, PA. **Utilizing the EMR to Enhance Stewardship Efforts.**

May 2014. 17th Annual Making a Difference in Infectious Diseases Pharmacotherapy Annual Meeting. Orlando, FL. **An Update on Polymyxin Use.**

April 2014. 24th European Congress of Clinical Microbiology and Infectious Diseases. Barcelona, Spain. **Colistin-associated nephrotoxicity: The impact of definition.**

December 2013. American Society of Health-Systems Pharmacists Annual Midyear Meeting. Orlando, FL. **What's the latest on carbapenem-resistant enterobacteriaceae.**

June 2013. American Society of Health-Systems Pharmacists Summer Meeting. Minneapolis, MN. **Antibiotic sensitivity reactions: clinical implications and management.**

May 2013. 16th Annual Making a Difference in Infectious Diseases Pharmacotherapy Annual Meeting. Orlando, FL. **Practical Pharmacokinetics and Pharmacodynamics.**

May 2013. 1st International Conference on the Polymyxins. Prato, Italy. **Incidence of and risk factors for colistin and polymyxin B nephrotoxicity in the modern era.**

December 2012. American Society of Health-Systems Pharmacists Annual Midyear Meeting. Las Vegas, NV. **Are carbapenems always the drug of choice for extended spectrum beta-lactamase (ESBL) producers.**

September 2012. Society of Infectious Diseases Pharmacists Annual Meeting. San Francisco, CA. **Combating Gram-negative Resistance.**

April 2012. 22nd European Congress of Clinical Microbiology and Infectious Diseases. London, United Kingdom. **The effect of automated alerts on time to appropriate therapy for Gram-negative bacteremia.**

December 2006. American Society of Health-Systems Pharmacists Annual Midyear Meeting. Anaheim, CA. **So, your patient has a "sulfa allergy ..."**

Selected Local and Regional Presentations:

March 2021. Great Lakes Pharmacy Conference (Virtual). **Antimicrobial Resistance and the ID Pharmacist.**

March 2021. Great Lakes Pharmacy Conference (Virtual). **COVID-19 Therapeutics.**

February 2021. Southeastern Michigan Society of Health System Pharmacists. **COVID-19 Q and A.** Panelist with Susan Davis, PharmD.

September 2020. Michigan Pharmacists Association (virtual) Town Hall. **COVID-19 Lessons Learned.** Panel discussion with Scott Kollmeyer, PharmD.

January 2019. Detroit Medical Center Pharmacy Grand Rounds. Detroit, MI. **Updates from the Antimicrobial Subcommittee.**

January 2018. Detroit Medical Center Pharmacy Grand Rounds. Detroit, MI. **Updates from the Antimicrobial Subcommittee.**

October 2017. 5th Annual Update in Infectious Diseases, Wayne State University School of Medicine, Detroit, MI. **Updates in the Prevention and Management of Seasonal Influenza.**

May 2017. Detroit Medical Center Pharmacy Grand Rounds. Detroit, MI. **Treatment options for Multi-drug (MDR) and Extensively drug resistant (XDR) Gram-negative pathogens: A case-based approach.**

February 2017. The Detroit Medical Center's annual infectious diseases and critical care symposium. Dearborn, MI. **Antimicrobial Stewardship opportunities in commonly encountered infectious diseases.**

December 2015. Tenet Healthcare System Pharmacy Webinar Series. **Antimicrobial Stewardship and the clinical pharmacist: A case-based review.**

July 2015. Wayne State University Annual Update in Internal Medicine, Bay Harbor, MI. **What's new and what's in the pipeline.**

July 2015. Wayne State University Annual Update in Internal Medicine, Bay Harbor, MI. **Prevention and treatment of Seasonal Influenza.**

July 2015. Wayne State University Annual Update in Internal Medicine, Bay Harbor, MI. **We Can Do Better! Antimicrobial Stewardship in Commonly Encountered Infectious Diseases.**

November 2014. Michigan Society of Health System Pharmacists annual meeting, Grand Rapids, MI. **Prevention and treatment of Seasonal Influenza.**

September 2014. Wayne State University's annual "Update in Infectious Diseases", Detroit, MI. **We Can Do Better! Antimicrobial Stewardship in Commonly Encountered Infectious Diseases.**

November 2013. Midwestern University College of Pharmacy annual Clinical Update in Infectious Diseases conference, Chicago, IL. Keynote Lecture: **Carbapenem-resistant Gram-negative bacilli: The past, The present, and The Future.**

September 2012. Fall Meeting of the Southeastern Michigan Society of Health-System Pharmacists (SMSHP). Warren, MI. **Vancomycin versus linezolid for the treatment of MRSA pneumonia: what does the evidence tell us?**

May 2012. Detroit Medical Center Pharmacy Grand Rounds. Detroit, MI. **Clinical controversies in infectious diseases pharmacotherapy: Does the recent evidence change the recommendations?**

November 2011. Michigan Society of Health-System Pharmacists Annual Meeting. Novi, MI. **Colistin dosing: Do we have a clue what we are doing yet?**

January 2011. Detroit Medical Center's 15th annual infectious diseases and critical care symposium. Dearborn, MI. **Revisiting old antibiotics in the era of multi-drug resistance.**

January 2011. Detroit Medical Center Pharmacy Grand Rounds. Detroit, MI. **Criteria Monitored Drugs in the DMC: An update.**

May 2010. Sinai-Grace Hospital, Private Physicians LLC (PLLC). Detroit, MI. **The current state and direction of antimicrobial stewardship at Sinai-Grace Hospital.**

November 2009. Wayne State University 5th Annual Fall CE Symposium: Emerging Trends in the Treatment of Infectious Diseases, Detroit, MI. **Getting started: Selecting the right targets for intervention.**

January 2008. Pharmacy Grand Rounds. University of Michigan Health Systems. Ann Arbor, MI. **The role of antibiotic prophylaxis in necrotizing pancreatitis.**

November 2007. Pediatric Infectious Diseases Grand Rounds. University of Michigan Health Systems. Ann Arbor, MI. **Upcoming antibiotics: coming soon to a pharmacy near you.**

Book Chapters:

Pogue, JM Scheetz, M. (2018). What Every Steward Should Know About Pharmacokinetics and Pharmacodynamics. In T. Barlam, M. Neuhauser, P. Tamma, & K. Trivedi (Eds.), *Practical Implementation of an Antibiotic Stewardship Program* (pp. 155-174). Cambridge: Cambridge University Press.

Kaye KS, **Pogue JM**, Kaye D. "Polymyxins (polymyxin b and colistin)." In Principles and Practice of Infectious Diseases, 9th edition, Gerald L. Mandell, John E. Bennett and Raphael Dolin editors, Churchill Livingstone.

Pogue JM, Dudley MN, Eranki A, Kaye KS. "Tetracyclines and Chloramphenicol" In Infectious Diseases, 4th Edition, Jonathan Cohen, William G Powederly, Steven M. Opal.

Pogue JM Tam VH. "Toxicities in Patients." In Polymyxin Antibiotics: From Laboratory Bench to Bedside. Jian Li, Roger L. Nation, Keith Kaye.

Pogue JM, Ortwine JK, Kaye KS. Optimal use of Gram-negative antibiotics in the real-world: providing effective therapy while minimizing resistance. In Antibiotic Stewardship: Principles and Practice.

Abstracts:

113. Klatt M, Dillman N, Eschenauer G, Gandhi T, Marshall V, Nagel J, Patel T, Petty L, Smith A, **Pogue JM**. Comparative in vitro activity of ceftolozane/tazobactam, ceftazidime/avibactam, meropenem/vaborbactam, imipenem/relebactam, and cefiderocol against *P. aeruginosa*, including drug-resistant isolates at an academic medical center. ECCMID 2021 (virtual).
112. Klatt M, Dillman N, Eschenauer G, Gandhi T, Marshall V, Nagel J, Patel T, Petty L, Smith A, **Pogue JM**. Rethinking optimization of empiric gram-negative therapy for pneumonia in intensive care units: We can do better. ECCMID 2021 (virtual).
111. Marcella S, Kanakamedala H, Zhou Y, Cai B, **Pogue JM**. Trends of Carbapenem Resistance in Enterobacterales in the US Between 2015 and 2019. ID Week 2020 (virtual).
110. Patel TS, Kaye KS, Marshall V, Krishnan J, Mills J, Albin O, Smith A, Young C, Lephart P, **Pogue JM**. In vitro Activity of Ceftazidime/Avibactam Compared to Ceftolozane/Tazobactam Against Real World Isolates of *Pseudomonas aeruginosa* at a Large Academic Tertiary Care Hospital. ID Week 2019. Washington DC.
109. Gandhi TN, Petty LA, Vaughn VM, Patel TS, Ratz D, McLaughlin E, Malani AN, Dumkow LE, **Pogue JM**, Thyagarajan R, Hsaiky L, Bernstein SJ, Flanders SA. Assessment of Fluoroquinolone Appropriateness for Hospitalized Patients with Asymptomatic Bacteriuria and Cystitis: A Multi-Hospital Cohort Study. ID Week 2019. Washington DC.
108. **Pogue JM**, Kanakamedala H, Zhou Y, Cai B. Burden of Illness in Carbapenem-resistant *Acinetobacter baumannii* infections in US Hospitals (2014-2018). ID Week 2019. Washington DC.
107. Tran KN, Mynatt RP, Kaye KS, **Pogue JM**. Clinical Outcomes with Extended Infusion (EI) versus Intermittent Infusion (II) of Cefepime (FEP), Piperacillin/Tazobactam (TZP), and Meropenem (MEM) in Patients with Gram-Negative (GN) Bacteremia. ID Week 2019. Washington DC.
106. Jorgensen SCJ, Trinh TD, Zasowski EJ, Alosaimy S, Melvin S, Dhar S, Mynatt RP, **Pogue JM**, Rybak MJ. Combination Vancomycin Plus Cefazolin for Methicillin-Resistant *Staphylococcus aureus* Bloodstream Infections. ID Week 2019. Washington DC.
105. Patel TS, Kaye KS, Krishnan J, Marshall V, Mills J, Albin O, Young C, Smith A, Lephart P, **Pogue JM**. Comparative *In Vitro* Activity of Meropenem/Vaborbactam and Meropenem Against a Collection of Real-World Clinical Isolates of *Pseudomonas aeruginosa*. ID Week 2019. Washington DC.
104. Sandhu A, Goldman E, Polistico J, Polistico S, Oudeif A, Aranha A, Murray KP, Zhao J, Mynatt RP, **Pogue JM**, Dhar S. Factors Influencing the Duration of Antimicrobial Therapy for Community Acquired Pneumonia. ID Week 2019. Washington DC.
103. Albin O, Patel TS, Henig O, Valley T, **Pogue JM**, Petty LA, Mills J, Brancaccio A, Kaye KS. Impact of Empiric Aminoglycoside Usage on Outcomes in Bacterial Pneumonia. ID week 2019. Washington DC.

102. Sandhu A, Goldman E, Polistico J, Polistico S, Oudeif A, Aranha A, Murray KP, Zhao J, Mynatt RP, **Pogue JM**, Dhar S. Impact of Utilizing Drug Resistance in Pneumonia (DRIP) Score on Management of Pneumonia. ID Week 2019. Washington DC.
101. Alosaimy S, Jorgensen SCJ, Lagnf A, Zasowski E, Trinh TD, Mynatt RP, **Pogue JM**, Rybak MJ. Impact of Vancomycin Area Under Curve on Persistent Methicillin-Resistant *Staphylococcus aureus* (MRSA) Bloodstream Infections (BSI). ID Week 2019. Washington DC.
100. **Pogue JM**, Jones RN, Bradley JS, Andes D, Bhavnani SM, Dudley M, Flamm RK, Rodvold KA, Ambrose PG. Polymyxin Antimicrobial Susceptibility (AST) Testing and Breakpoints for *P. aeruginosa*, *A. baumannii*, and Enterobacteriaceae: Recommendations from the United States Committee on Antimicrobial Susceptibility Testing (USCAST). ID Week 2019. Washington DC.
99. Petty LA, Vaughn V, Patel TS, Malani AN, **Pogue JM**, Dumkow LE, Thyagarajan R, Hsaiky L, Osterholzer D, Kaye KS, Ratz D, McLaughlin E, Flanders SA, Gandhi TN. Risk Factors Associated with Treatment of Asymptomatic Bacteriuria in the Emergency Department: A Multi-Hospital Cohort Study. ID Week 2019. Washington DC.
98. Simpson T, Shah S, **Pogue JM**, Wu J. Safety and Efficacy of High-Dose Cefazolin Therapy in Obesity. ID Week 2019. Washington DC.
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8. Marchaim D, Bheemreddy S, Lemanek L, Sengstock D, Bogan C, Ku K, Hasan A, Lee J, Khandker N, Blunden C, Moshos J, Geffert SF, Moody M, Rahbar H, Wang Y, Ahmad F, Lephart P, Malani A, Jagarlamudi R, Tansek R, Chopra T, Hayakawa K, **Pogue JM**, Dhar S, Kaye KS. The massive burden of multi-drug resistant Gram-negative organisms on hospitals by patients admitted from long term care facilities. ICAAC 2010. Boston, MA.
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6. Chopra T, Hothi J, Marchaim D, Slim J, Chaudry K, Khandker N, Tansek R, Dhar S, Zhao J, **Pogue JM**, Kaye KS. Risk factors and outcomes associated with bloodstream infection due to *Acinetobacter baumannii* resistant to both carbapenems and ampicillin/sulbactam. Fifth Decennial: International Conference on Health-Care Associated Infections 2010. Atlanta, GA.
5. Marchaim D, **Pogue JM**, Hothi J, Chopra T, Dhar S, Slim J, Blunden C, Reid D, Moshos J, Benoit J, Hafeez W, Flanagan E, Alangaden G, Kaye KS. Outbreak of Colistin-Resistant Enterobacteriaceae at the Detroit Medical Center. Fifth Decennial: International Conference on Health-Care Associated Infections 2010. Atlanta, GA.
4. Saely S, Kaye KS, Fairfax M, Chopra T, **Pogue JM**. Risk factors for extended spectrum beta-lactamase producing *Klebsiella Pneumoniae* (ESBL): A focus on previous antibiotic exposure (PAE). ICAAC 2009. San Francisco, CA.
3. Reddy T, Chopra T, **Pogue JM**, Alangaden G, Salimnia H, Shar S, Kaye KS. Trends in Antimicrobial Resistance in *Acinetobacter baumannii* (ACB) in a Detroit Area Health System. ICAAC 2009. San Francisco, CA.
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Clinical Training Experience:

- Director, Infectious Diseases PGY-2 Residency** 2009 – 2013
- Detroit Receiving Hospital; Detroit Medical Center
- Preceptor, PGY-2 residents (Infectious Diseases/Antimicrobial Stewardship)** 2008 – 2019
- Practice site: Sinai-Grace Hospital; Detroit Medical Center
 - PGY-2 residents precepted
 - Detroit Medical Center Infectious Diseases PGY-2
 - Michigan Medicine Infectious Diseases PGY-2
 - Harper University Hospital Pharmacotherapy PGY-2
 - Detroit Receiving Hospital Critical Care PGY-2
 - Detroit Receiving Hospital Emergency Medicine PGY-2
- Preceptor, PGY-1 Pharmacy Practice Residents (Infectious Diseases/Stewardship)** 2008 – 2019
- Practice site: Sinai-Grace Hospital; Detroit Medical Center
 - PGY-1 Residents precepted:
 - Sinai-Grace Hospital
 - Harper University Hospital
 - Detroit Receiving Hospital
- Preceptor, Antimicrobial stewardship and Infectious Diseases APPE rotations.** 2008 – 2019
- Practice site: Sinai-Grace Hospital; Detroit Medical Center
 - Students precepted:
 - Wayne State University College of Pharmacy and Health Sciences
 - University of Michigan College of Pharmacy
 - University of Pittsburgh College of Pharmacy
 - Lake Erie College of Osteopathic Medicine (LECOM) School of Pharmacy

Organization Committee Involvement and Leadership:

Society of Infectious Diseases Pharmacists (SIDP):

- President (2018 – 2021)
 - Immediate Past President (2020 – 2021)
 - President (2019 – 2020)
 - President- Elect (2018 – 2019)
- Strategic Planning Committee (2020 – 2021)
 - Board Liaison (2020 – 2021)
- Annual Report Committee (2020 – 2021)
 - Board Liaison (2020 – 2021)
- Nominations and Bylaws Committee (2020 – 2021)
 - Board Liaison (2020 – 2021)
- Website committee (2018- 2019)
 - Board Liaison (2018 – 2019)
- Social Media Committee (2018 – 2019)
 - Board Liaison (2018 – 2019)
- Publications and Podcasts Committee (2018 – 2019)
 - Board Liaison (2018 – 2019)
- Inter-organization and Engagement (2019 – 2021)

- Board Liaison (2019 – 2021)
- Policy and Governmental Affairs Committee (2019 – 2020)
 - Board Liaison (2019 – 2020)
- Programs (ID Week) Committee (2013 – 2014, 2019 – 2020)
 - Board Liaison (2019 – 2020)
- Membership Committee (2009 – 2010)
- Internet committee (2009 – 2010, 2013 – 2014, 2017 – 2018)
 - Vice Chair (2017 – 2018)
- Community Antimicrobial Stewardship Committee (2014 – 2015)
- Research Committee (2016 – 2018)
- SIDPEC committee (2016 – 2018)

United States Committee on Antimicrobial Susceptibility Testing (USCAST):

- Member (2019 – Present)
- Advisor (2016 – 2018)

American College of Clinical Pharmacists (ACCP):

- ID PRN research Committee (2016 – 2019)
 - Chair (2017 – 2018)
 - Mentor – Justin Moore (2020 – Present)
- Faculty Panel Chair for IDSAP (2018 – 2019)

Society for Healthcare Epidemiology of America (SHEA):

- Antimicrobial Stewardship Committee (2018 – Present)
 - Co-chair- engaging critical access hospitals subcommittee (2019 – present)

Detroit Medical Center:

- Member, Antimicrobial Subcommittee (2008 – 2019)
 - Pharmacy lead and co-chair (2017 – 2019)
- Residency Steering Committee (2009 – 2013)

Sinai-Grace Hospital:

- Medication Use Committee Member (2009 – 2019)
- Antimicrobial Stewardship Team Lead (2009 – 2019)
- Residency Advisory Committee (2009 – 2019)
- Infection Control Committee (2009 – 2019)

Tenet Antimicrobial Stewardship Committee Member (2015 – 2019)

Vanguard Health Systems

- System coordinator Antimicrobial Stewardship (2011 – 2013)

Michigan Medicine

- Antimicrobial Subcommittee (2007 – 2008; 2019 – Present)
 - Secretary 2007 – 2008

University of Michigan College of Pharmacy

- Admissions Committee (2019 – Present)

Nontraditional Educational Experiences:**Podcasts:**

- SIDP Breakpoints (2019 – Present)
 - “The Itch” An SIDP Podcast Miniseries on Penicillin Allergy (2019)
 - 5 Ways Hospital Pharmacists Can Be Antibiotics Aware
 - What is Happening Right Now? COVID-19 Challenges and Silver Linings
 - A Lung Time Coming: Controversies in Community Acquired Pneumonia
- Society for Healthcare Epidemiology of America (SHEA) Podcasts (2020)
 - COVID-19: Involving Antimicrobial Stewardship Programs (2020)

Blogs:

- IDStewardship (2016 – 2017)
 - [Top 5 Unanswered questions about the management of invasive infections due to multidrug resistant Gram-negative bacteria](#) (2016)
 - [Nephrotoxicity: Piperacillin-Tazobactam Plus Vancomycin Versus Cefepime Plus Vancomycin](#) (2017)

Editorial Boards:

Antimicrobial Stewardship & Healthcare Epidemiology (2021 – Present)

Open Forum in Infectious Diseases. 2018- Present.

Antimicrobial Agents and Chemotherapy. 2017 – Present.

Infectious Diseases and Therapy. 2017 – Present

Contagion Live. 2017 – Present

Wellspring Infectious Diseases. 2019 – Present.

Pharmacy Practice News. 2017 – 2019.

Associate Editor. Clinical and Biomedical research. 2014 – 2016.

Peer Reviewer:

Journal of the American Medical Association (JAMA)

Lancet Infectious Diseases

Clinical Infectious Diseases

Antimicrobial Agents and Chemotherapy

Journal of Antimicrobial Chemotherapy

Pharmacotherapy

Annals of Pharmacotherapy

Journal of Clinical Microbiology

Diagnostic Microbiology and Infectious Diseases

BMC Infectious Diseases

Open Forum in Infectious Diseases

Clinical Microbiology and Infection

Expert Review of Anti-infective Therapy

Virulence

Awards and Honors:

Covid-19 Coalition member. MJH Life Sciences™ 2020.

Society of Infectious Diseases Pharmacist Outstanding Clinical Practice in Infectious Diseases Pharmacotherapy Award. 2017.

Lamp Award for Most Outstanding Basic Sciences Professor, Wayne State University School of Medicine. 2013.

Preceptor of the Year, University of Michigan College of Pharmacy. 2011.

Graduated Magna cum Laude. University of Pittsburgh School of Pharmacy. 2006.

Dean's List. University of Pittsburgh School of Pharmacy. 2002 – 2005.

Patient counseling competition winner. University of Pittsburgh School of Pharmacy. 2003, 2004.

Current Affiliations and Memberships:

Society of Infectious Diseases Pharmacists

Society for Healthcare Epidemiology of America

European Society of Clinical Microbiology and Infectious Diseases

American College of Clinical Pharmacists

- Infectious Diseases Practice and Research Network

Rho Chi Honor Society

References available upon request