

Michael Ganio, PharmD, MS, BCPS, BCSCP, CPHIMS, FASHP

American Society of Health-System Pharmacists
Office of Practice Advancement

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Education and Training

August 2012 – May 2015

Master of Science in Health-Systems Pharmacy Administration
The Ohio State University
College of Pharmacy

July 2002 – June 2003

ASHP-Accredited PGY1 Residency
The Ohio State University Wexner Medical Center
Residency Director Jerry Siegel, PharmD, FASHP
Residency Coordinator Niesha Griffith, MS, RPh, FASHP

September 2000 – May 2002

Doctor of Pharmacy
Rutgers, The State University of New Jersey
Ernest Mario School of Pharmacy

September 1996 – August 2000

Bachelor of Science, Pharmacy
Rutgers, The State University of New Jersey
Ernest Mario School of Pharmacy

Professional Employment

March 2020 – Present
January 2018 – March 2020

Senior Director, Pharmacy Practice and Quality
Director, Pharmacy Practice and Quality
American Society of Health-System Pharmacists
Office of Practice Advancement
Center for Medication Safety
Supervisor Douglas Scheckelhoff, M.S., FASHP

June 2015 – January 2018

Pharmacy Manager
Oncology Pharmacy Infusion Services
The Ohio State University Comprehensive Cancer Center
Arthur G James Cancer Hospital and
Richard J Solove Research Institute
Supervisor Ryan Naseman, Pharm.D., M.S., BCPS

July 2012 – June 2015

Clinical Applications Pharmacy Specialist – Oncology and Investigational Drug Services
The Ohio State University Comprehensive Cancer Center
Arthur G James Cancer Hospital and
Richard J Solove Research Institute
Supervisor Janinah Barreto, Pharm.D., M.S., CPHIMS

May 2007 – June 2016

Pharmacy Residency Coordinator
The Ohio State University Wexner Medical Center, Columbus, Ohio

January 2007 – July 2012

Clinical Generalist Pharmacist

Physical Medicine and Rehabilitation

The Ohio State University Wexner Medical Center, Columbus, Ohio
Supervisor Amanda Hafford, Pharm.D., M.S.

August 2006 – January 2007

Clinical Generalist Pharmacist

Solid Organ Transplant and Nephrology

The Ohio State University Wexner Medical Center, Columbus, Ohio
Supervisor Trisha Jordan, Pharm.D., M.S.

July 2003 – August 2006

Clinical Staff Pharmacist

Coronary Care Unit Pharmacist

Mount Carmel East Hospital, Columbus, Ohio
Supervisor David Bystrom, Pharm.D.

July 2002 – July 2003

PGY1 Resident and Staff Pharmacist

The Ohio State University Wexner Medical Center, Columbus, Ohio
Supervisor Jerry Siegel, Pharm.D., FASHP

November 2001 – May 2002

Staff Pharmacist

Walgreen's Pharmacy
Supervisor Lou Marks, RPh

Professional & Teaching Experience

September 2021

ASHP Compounded Sterile Preparations Certificate Faculty

Modules:

- Overview of Sterile Compounding Practice Standards and Best Practices
- The Legal Basis for Sterile Compounding Standards
- Federal and State Regulation of Sterile Compounding
- FDA Inspections of Pharmacies Performing Sterile Compounding
- The Key to Sterile Compounding Safety

June 2015 – January 2018

Faculty Advisor: Student Society of Health-System Pharmacists

The Ohio State University College of Pharmacy

July 2012 – January 2018

Preceptor: IPPE 664; APPE 784, 799; PGY1, PGY2, and MS Residency

The Ohio State University College of Pharmacy
The Ohio State University Wexner Medical Center and James Comprehensive Cancer Center

2010 -- 2015

Guest Lecturer: PHR 7500 Pathophysiology and Therapeutics

PHR 7860 Pharmacy Practice Management

PHR 8170 Issues in Health-System Pharmacy

PHR 8884 Pharmacy Seminar

PHR 782 Capstone Program

The Ohio State University College of Pharmacy

August 2004 – August 2006

Clinical Adjunct Faculty

Cardiology/Critical Care Experiential Rotation

Ohio Northern University College of Pharmacy

August 2005 – August 2006

ACLS Class Instructor

Mount Carmel Health System

Professional Appointments

- U.S. Food and Drug Administration Compounding Quality Center of Excellence Cross-Sector Stakeholder Group (2022 – present)
- The Joint Commission Pharmacy Advisory Council (2022 – present)
- The Joint Commission Electronic Health Record Safety Standards Review Panel (2022)

Organizational Committees (dates as indicated)

American Society of Health-System Pharmacists

- Internal Committee on Diversity, Equity, and Inclusion (2020-present)

The Ohio State University Wexner Medical Center

- Pharmacy Residency Leadership Committee (2016-2018)
- Integrated Health Information System (Epic) Oncology Stakeholder Prioritization Group (2015-2018)
- Integrated Health Information System (Epic) James Cancer Hospital Ambulatory Users' Group (2016-2018)
- Pharmacy Residency Program Director Council (2006-2018)
- Pharmacy Formulary Review Committee (2008-2018)
- Sentinel Event Workgroup Facilitator (2008-2018)
- LGBT Diversity Network (2013-2018)
 - Secretary / Co-chair (2014-2017)
- Medical Center Pharmacy and Therapeutics Medication Safety and Policy Committee (2010-2015)
- Integrated Health Information System (Epic) Optimization Task Force (2010-2012)
- Medical Center Ethics Committee (2012-2014)
- Health Education Advisory Committee (2010-2012)
- Physical Medicine and Rehabilitation Nursing Quality Improvement Committee (2007-2012)
- Integrated Health Information System (Epic) Default Orders Committee (2011)

Professional Affiliations (leadership positions as dated)

Great Lakes Pharmacy Resident Conference

Treasurer – June 2015 – January 2018

Executive Committee - State of Ohio representative – May 2009 – January 2018

Awarded cumulative \$50,000 in medical education grants to fund conference 2010-2014

The American Society of Health-System Pharmacists

Council on Pharmacy Practice (June 2015 – January 2018)

House of Delegates, Alternate Delegate 2014, 2015

Section of Pharmacy Informatics and Technology

Section Advisory Group (SAG) on Clinical Information Systems 2014 – 2015

Section Advisory Group (SAG) on Pharmacy Operations Automation 2015 - 2018

Section of Pharmacy Practice Management

University HealthSystem Consortium (Vizient)

Pharmacy Council Practice Advancement Committee 2014 - 2016

The Ohio Society of Health-System Pharmacists

Legal Affairs Division 2015 – 2018

Chair – House of Delegates 2015

President-Elect – 2012-2013

President – 2013-2014

Immediate Past President – 2014-2015

Educational Affairs Division 2002 - 2003, 2008 – 2012

Delegate - House of Delegates 2009, 2010, 2011, 2016, 2017

The Central Ohio Society of Health-System Pharmacists

Board of Directors – 2008 – 2018

President-Elect – 2010-2011

President – 2011-2012
Immediate Past President – 2012-2013

Northeast Ohio Medical University College of Pharmacy
Dean's Advisory Council – August 2012 – April 2014

Ohio Pharmacy Consortium – August 2012 – April 2015

Publications – Peer Review

Pedersen C, Schneider P, **Ganio M**, Scheckelhoff D. ASHP national survey of pharmacy practice in hospital settings: Workforce—2022. *Am J Health Syst Pharm*. 2023 June; 80(12): 719-741.

Schneider P, Pedersen C, **Ganio M**, Scheckelhoff D. ASHP national survey of pharmacy practice in hospital settings: Clinical services and workforce – 2021. *Am J Health Syst Pharm*. 2022 May 24; 79(18): 1531-1550.

Ganio M, Jerry C. Use of automation and technology in sterile preparations: A call to action. *Am J Health Syst Pharm*. 2022 May 15; 79(10): 711-712.

Pedersen C, Schneider P, **Ganio M**, Scheckelhoff D. ASHP national survey of pharmacy practice in hospital settings: Impact of COVID-19 pandemic on pharmacy operations – 2020. *Am J Health Syst Pharm*. 2021 Sept 7; 78(18): 1701-1712.

Jaquis WP, Schneider SM; **Panelists** from Preparing for the Next Pandemic Summits. Preparing for the Next Pandemic. *Ann Emerg Med*. 2021 Aug; 78(2): 212-219.

Pedersen C, Schneider P, **Ganio M**, Scheckelhoff D. ASHP national survey of pharmacy practice in hospital settings: Dispensing and administration – 2020. *Am J Health Syst Pharm*. 2021 June 15; 78(12): 1074-1093.

Dabestani A, DeAngelo D, Chhay SR, Larson BJ, **Ganio M**. Medication utilization in patients in New York hospitals during the COVID-19 pandemic. *Am J Health Syst Pharm*. 2020, November 15; 77(22): 1885-1892.

Pedersen C, Schneider P, **Ganio M**, Scheckelhoff D. ASHP national survey of pharmacy practice in hospital settings: Prescribing and transcribing – 2019. *Am J Health Syst Pharm*. 2020, July 1; 77(13):1026-1050.

Schneider P, Pedersen C, **Ganio M**, Scheckelhoff D. ASHP national survey of pharmacy practice in hospitals settings: Workforce – 2018. *Am J Health Syst Pharm*. 2019, August 1; 76(15):1127-43.

Ganio M. The Evolution of Sterile Compounding Practices. *J Pharm Soc Wis*. 2019, July/August; 22(4):28-29.

Pedersen C, Schneider P, **Ganio M**, Scheckelhoff D. National survey of pharmacy practice in hospital settings: Monitoring and patient education – 2018. *Am J Health Syst Pharm*. 2019, July 15; 76(14):1038-59.

Ganio M, Kienle P, McEvoy G. The evolution of hazardous drug safety: Thirty-five years of protecting healthcare personnel [editorial]. *Am J Health Syst Pharm*. 2018, December 15; 75(22):1970-71.

Ganio M, Cobaugh D. Taking a culture of patient safety to the next level: Improving the quality and safety of sterile preparations [editorial]. *Am J Health Syst Pharm*. 2018, August 15; 75(16):1182-83.

Anderson J, Cooley T, De la Torre C, Della Rocco JA, Dorn M, Ferer DS, Friudenberg P, **Ganio M**, Lim D, McGregory M, Nickman N, Schenkat D, Shah S, Tjhio D, Urbanski C, Volpe G. Harmonization of technology across an integrated delivery network. *Am J Health Syst Pharm*. 2018, July 15; 75(14):1073-78.

Ganio M, Forrey RA, Lopez B, Barreto J. Adapting an inpatient intervention tool to facilitate cross-encounter communication. *Am J Health Syst Pharm*. 2016, May 15; 73(10):627-9.

Crist MA, **Ganio M**, Weber RJ. Reflections on training a resident with a disability. *Am J Health Syst Pharm*. 2013 Jan 15; 70(2):163-5.

Presentations – Platform and Invited

- July 2023 **Ganio M**, Chou J, Fausel C, Fox E, Jensen V. Drug Shortages: Current Trends and Management Strategies. American Society of Health-System Pharmacists national webinar
- July 2023 **Ganio M**, Lafluer E, Mullen M, Raghavendran V, Spiecker M. Project PROTECT Panel. *Angels for Change SummitONE 2023*. Philadelphia, PA.
- June 2023 **Ganio M**. The Drug Shortage Crisis: The Complex Why and What We Should Do to Mitigate. America's Physician Groups national webinar
- May 2023 **Ganio M**, Pedersen C, Schneider P. The 2022 ASHP National Survey: Report on the Current State of Pharmacy Practice. American Society of Health-System Pharmacists national webinar.
- April 2023 **Ganio M**. The ASHP National Survey: A Closer Look at Small Hospitals. *South Dakota Society of Health-System Pharmacists Annual Conference*. Sioux Falls, SD.
- March 2023 **Ganio M**. Updates in Hazardous Drug Safety and Handling. *International Society of Oncology Pharmacy Practitioners International Symposium 2023*. Seville, Spain.
- January 2023 **Ganio M**. The Current State of Health-System Pharmacy Practice. *Montana Pharmacy Association Winter CE Conference*. Big Sky, MT.
- December 2022 Bhavsar M, Chou J, **Ganio M**, Doerr C, Sutaria M. The Importance of Market Sustainability for Generic Sterile Injectables. Promotional Theater Panel Discussion. *American Society of Health-System Pharmacists 56th-Annual Midyear Clinical Meeting*. Las Vegas, NV.
- December 2022 **Ganio M**, Yang K, Mahoney M, Parsons S. Evolving Considerations for Prevention and Management of COVID-19—Let's Not Forget the Immunocompromised Patient! Midday Symposium. *American Society of Health-System Pharmacists 56th-Annual Midyear Clinical Meeting*. Las Vegas, NV.
- December 2022 **Ganio M**, Pedersen C, Schneider P, Scheckelhoff D. The ASHP 2022 National Survey: A Conversation about the State of Health-System Pharmacy Practice. *American Society of Health-System Pharmacists 57th-Annual Midyear Clinical Meeting*. Las Vegas, NV.
- November 2022 Moss R, Chang YL, Fitieh S, **Ganio M**. Understanding the Global Pharmacy Supply Chain for Hospital Pharmacies. International Pharmaceutical Federation international webinar.
- September 2022 Forrey R, **Ganio M**, Hertig J. The Safe Handling of New and Emerging Therapeutics: from mRNA to Cell-based Treatments. *80th International Pharmaceutical Federation World Congress of Pharmacy and Pharmaceutical Sciences*. Seville, Spain.

September 2022	Deveau I, Friedman R, Ganio M , Goldschmidt N, Kludze M, McHugh D. Opening Plenary Session: Aligning on Compounding Excellence: Understanding its Meaning Across the Sector. <i>FDA Compounding Quality Center of Excellence Annual Conference: The Shared Pursuit of Compounding Excellence</i> . Virtual opening plenary panel discussion.
August 2022	Ganio M , Jozefczyk K, Lopez, B. Considerations for Outsourcing Sterile Preparations: Introducing an Updated ASHP Outsourcing Vendor Assessment Tool. ASHP national webinar.
July 2022	Bukari N, Costa S, Ganio M , Kahaleh A, Mhlaba S. Delivering Person-Centered Support for COVID-19: Current and Future Pharmacy Practice. International Pharmaceutical Federation international webinar.
June 2022	Scheckelhoff D, Pedersen C, Schneider P, Ganio M . Results from the 2021 ASHP National Survey: The Current State of Pharmacy Practice in Hospitals and Health Systems. ASHP national webinar.
June 2022	Ganio M , Mahoney M, Yang K. COVID-19 Prevention and Treatment Strategies for the Immunocompromised. <i>ASHP Summer Meetings and Exhibition Morning Symposium</i> . Phoenix, AZ.
April 2022	Ganio M . COVID-19 Antivirals and Test-to-Treat Program. <i>COVID-19 Evidence Accelerator Therapeutics/Vaccines Lab Meeting</i> . Reagan Udall Foundation for FDA virtual presentation.
March 2022	Sedlacek T, Bosshart S, Ganio M . Wraparound IV Line Drug Labels: Harnessing Best Practices to Improve Patient Safety. Caresfield CaresTalk webinar.
February 2022	Ganio M , Montgomery H. Ordering and Administering COVID-19 Therapeutics -- Tixagevimab/Cilgavimab. ASHP on-demand webinar.
January 2022	Ganio M , Mahoney M, Miller M, Tigh J. Ordering and Administering COVID-19 Therapeutics – Nirmatrelvir/Ritonavir and Molnupiravir. ASHP national webinar.
December 2021	Ganio M , Jensen B, Ovesen J. 2021 USP Revisions and the NIOSH List: Two “Can’t Miss” Compounding Updates. <i>American Society of Health-System Pharmacists 56th-Annual Midyear Clinical Meeting</i> . Virtual presentation.
December 2021	Scheckelhoff D, Pedersen C, Schneider P, Ganio M . The 2021 ASHP National Survey: Current State of Pharmacy Practice. <i>American Society of Health-System Pharmacists 56th-Annual Midyear Clinical Meeting</i> . Virtual presentation.
October 2021	Ganio M , Yang K, Edgerly S. Ordering and Administering COVID-19 Therapeutics – Casirivimab/Imdevimab. ASHP on-demand webinar.
October 2021	Scheckelhoff D, Pedersen C, Schneider P, Ganio M . Results from the 2020 ASHP National Survey: The Current State of Pharmacy Practice in Hospitals and Health Systems. ASHP national webinar.

- September 2021 Adams R, Belisle C, Dudding J, **Ganio M**, Haber S, Hinchin S, Rosebush L. Cross-Sector Panel: Outsourcing Facilities and Purchaser. *FDA Compounding Quality Center of Excellence Virtual Conference: Culture of Quality*. Virtual panel discussion.
- August 2021 **Ganio M**. Drug Shortages in Oncology: Impact on Patients and Providers. *Oncology Nursing Society Hawaii Annual Conference chapter*. Virtual presentation.
- June 2021 Griffith N, Freeswick S, **Ganio M**, Shayani S. Oncology pharmacy practice in the time of COVID-19. *Advanced Topics for Oncology Pharmacy Professionals Summit*. Phoenix AZ and virtual.
- June 2021 Calleja K, **Ganio M**, Kucera D, Simmon C, Lucio S. Buy American—A conversation on value, quality, and affordability in pharmaceuticals. *Healthcare Supply Chain Association National Pharmacy Forum*. Tampa FL and virtual.
- April 2021 **Ganio M**. COVID-19: Managing Drug Shortages and the Impact on Patients. *Parenteral Drug Association 2021 Parenteral Packaging Conference*. Virtual Keynote Address.
- April 2021 **Ganio M**, Clark L, Lew I, Lopez B. Essential Elements of Successful Mass Immunization Programs: A Discussion with Pharmacy Leaders. ASHP national webinar.
- April 2021 **Ganio M**, Pharmacy Response to the COVID-19 Pandemic. *Montana Pharmacy Association & Health-Systems Academy Combined Conference*. Virtual presentation.
- February 2021 **Ganio M**, Hansen K, Voss, G, Smith D. Optimizing the Preparation and Administration of COVID-19 Vaccines. ASHP national webinar and panel discussion.
- January 2021 **Ganio M**. Role of Pharmacy in Public Health Emergencies. *International Pharmaceutical Students' Federation Education Series*. IPSF international webinar.
- January 2021 Fales W, Gaur S, Woodcock J, Kidd S, Bander J, **Ganio M**. HHS/ASPR COVID-19 Outpatient Therapeutics. *Project ECHO HHS/ASPR Clinical Rounds Outpatient Therapeutics Mini-series*. Virtual panel discussion.
- December 2020 Redd J, Wosinska M, **Ganio M**, Wargo M, Jarrett M. Session II: Overview and Background. *National Academies of Science, Engineering, and Medicine Virtual Public Workshop on Allocation of COVID-19 Monoclonal Antibody Therapies and Other Novel Therapeutics*. Virtual presentation and panel discussion.
- December 2020 Bailey R, Freeswick S, **Ganio M**, Marcum C, McCullough S, Reff M. Oncology Pharmacy Practice. *Association for Value-Based Cancer Care 10th-Annual Summit*. Virtual panel discussion.

- December 2020 **Ganio M**, Polovich M, Kienle P. Best Practices for Monitoring Surfaces for Hazardous Drug Contamination: Consensus Conference Recommendations and Next Steps. *American Society of Health-System Pharmacists 55th-Annual Midyear Clinical Meeting*. Virtual Midday Symposium presentation.
- December 2020 **Ganio M**, Fox ER, Lewin JJ, Lee S, Fisher A, Husted D. Pharmaceutical Manufacturing: Risks and Vulnerabilities. *American Society of Health-System Pharmacists 55th-Annual Midyear Clinical Meeting*. Virtual presentation.
- December 2020 Scheckelhoff D, Pedersen C, Schneider P, **Ganio M**. The 2020 ASHP National Survey: Current State of Pharmacy Practice. *American Society of Health-System Pharmacists 55th-Annual Midyear Clinical Meeting*. Virtual presentation.
- December 2020 Schrandt S, Maves R, Watkins S, **Ganio M**, Schiller M. What makes a medical product critical? *National Academies of Science, Engineering, and Medicine Virtual Public Workshop on the Security of America's Medical Product Supply Chain*. Virtual presentation and panel discussion.
- October 2020 Field S, **Ganio M**, Gaconnet C, Sturtevant P. Outlining the Case for Change. *Axia Institute's Revolutionizing Patient Safety: Securing the Medication Supply Chain*. Virtual panel discussion.
- October 2020 Cook GD, **Ganio M**, Kopp S, Pound J, Venema J, Vielle C. Maintaining Transparent Communication in Digitally Overloaded Times. *Parenteral Drug Association 2020 Pharmacopeia Conference*. Virtual panel discussion.
- September 2020 Shah A, Francer J, **Ganio M**, Piervincenzi R. Continued Reliance on Foreign Drug Manufacturing and the Drug Supply Chain: Manageable Risk or Public Health Concern? *Food and Drug Law Institute webinar*. Virtual presentation and panel discussion.
- September 2020 **Ganio M**, He M, Titus A, Keynes S. The Medical Supply Chain – A New National Security Imperative. *The US-China Business Council and US China Series meeting on Chinese Supply Chain: Complexities and Challenges*. Virtual presentation and panel discussion.
- September 2020 Jacquis WP, Schmitz G, **Ganio M**, Ranney M, He S. Preparing for the Next Pandemic. American College of Emergency Physicians national webinar.
- August 2020 Scheckelhoff D, Pedersen C, Schneider P, **Ganio M**. Results from the 2019 ASHP National Survey: The Current State of Pharmacy Practice in Hospitals and Health Systems. ASHP national webinar.
- August 2020 **Ganio M**, Collins C, Fox E, Sullivan M. Remdesivir: Ask the Experts. ASHP national webinar.
- June 2020 Adefemi AE, **Ganio M**, Herranz A, Mei NH, Hertig J, Nolt V. COVID-19 for Hospital Pharmacists and Health-Systems: the Medication Use Process. International Pharmaceutical Federation international webinar.

- June 2020 Anderson M, **Ganio M**, Schneider M. Clinical Rounds: Continued Impact of Drug Shortages on Clinical Practice. American Association of Nurse Anesthetists national webinar.
- May 2020 **Ganio M**. Navigating the Medication Supply Chain during a Pandemic. *American Society of Health-System Pharmacists COVID Care Certified e-Learning course*.
- May 2020 Anger KE, **Ganio M**, Huang C, Snow E. Remdesivir: Early Use in Search for its Niche. ASHP national webinar.
- May 2020 **Ganio M**, Marcum C, McBride A, McCullough S, Shah B, Griffith N, Zweigenhaft B. Oncology Pharmacy: COVID-19 Impact on Cancer Care and Road to Recovery. *Association for Value-Based Cancer Care webcast series*
Virtual panel discussion.
- April 2020 Serumaga B, Seiden M, Gokhale K, **Ganio M**. Session II: Regulatory Framework – Pharmaceutical Compounding and Dispensing. *National Academies of Science, Engineering, and Medicine Virtual Public Workshop on the Implications of Discarded Weight-Based Drugs*.
Virtual presentation and panel discussion.
- February 2020 Calleja K, Wilson T, **Ganio M**, Saha S. Shortages – Drugs and Devices. Presentation and panel discussion. *Healthcare Supply Chain Association National Pharmacy Forum*.
Scottsdale, AZ
- February 2020 **Ganio M**, VanTrieste M. The State of Pharmaceutical Quality – Reactant Panel discussion. *Food and Drug Administration Public Meeting: Understanding How the Public Perceives and Values Pharmaceutical Quality*.
Washington, D.C.
- December 2019 **Ganio M**, Ciarkowski S, Liberto R. Standardize 4 Safety: a New Standard in Medication Concentrations. *American Society of Health-System Pharmacists 54th-Annual Midyear Las Vegas, NV*
- December 2019 Scheckelhoff D, Pedersen C, Schneider P, **Ganio M**. Results from the 2019 ASHP National Survey. *American Society of Health-System Pharmacists 54th-Annual Midyear Las Vegas, NV*
- December 2019 Ovesen J, Smith CA, **Ganio M**. Hazardous Drug Alert! NIOSH Handling and EPA Waste Updates for 2019. (Program chair and moderator) *American Society of Health-System Pharmacists 54th-Annual Midyear Las Vegas, NV*
- October 2019 **Ganio M**. USP General Chapter <800> and Infusion Administration *REMEDI Infusion Pump Collaborative Fall Conference*.
REMEDI national webinar
- October 2019 **Ganio M**, Burger M, Gegorski B. What's on Your List? USP Chapter <800> Assessment of Risk and Containment Strategies for Handling Hazardous Drugs.
ASHP national webinar

- September 2019 **Ganio M.** National Update on Drug Pricing Trends and Advocacy Efforts
Illinois Council of Health-System Pharmacists Annual Meeting
Chicago, IL
- August 2019 Scheckelhoff D, Pedersen C, Schneider P, **Ganio M.** Analysis of the
2018 ASHP National Survey—The Current State of Pharmacy Practice in
Hospitals
ASHP national webinar
- April 2019 **Ganio M.** ASHP Standardize 4 Safety Initiative
REMEI Infusion Pump Collaborative Annual Conference
Chicago, IL
- March 2019 **Ganio M.** Causes and Impact of Drug Shortages
Healthcare Distribution Alliance Distribution Management Conference
2019
Palm Desert, CA
- December 2018 Saliba L, Bastow S, **Ganio M.**, Yoder P. Best Practices to Identify and
Control Drug Shortages.
Scottsdale Institute national webinar
- December 2018 Scheckelhoff D, Pedersen C, Schneider P, **Ganio M.** Results from the
2018 ASHP National Survey.
*American Society of Health-Systems Pharmacist 53rd-Annual Midyear
Clinical Meeting*
Anaheim, CA
- November 2018 Unguru Y, Holcombe B, **Ganio M.** The Health Impacts and Economic
Consequences of Drug Shortages – Panel Discussion.
*Food and Drug Administration Public Meeting: Identifying the Root
Causes of Drug Shortages and Finding Enduring Solutions.*
Washington, D.C.
- November 2018 **Ganio M.** ASHP National Survey: Results on Compounding; ASHP
Comments on <795> and <797> revisions.
Greater New York Hospital Association Pharmacy Committee Meeting
New York, NY
- October 2018 **Ganio M.** National Update on Drug Shortages.
California Society of Health-System Pharmacists Seminar 2018
San Diego, CA
- September 2018 Noe B, **Ganio M.**, Goralnick E, Grant J, Jungman E. Gaps and
Challenges in Predicting, Preventing, and Responding to Medical
Product Shortages During Disasters – Panel Discussion.
*National Academies of Science, Engineering, and Medicine Workshop
on Medical Product Shortages during Disasters: Opportunities to Predict,
Prevent, and Respond*
Washington, D.C.
- May 2018 **Ganio M.** Standardize 4 Safety: Concentrating on Concentrations.
*United States Pharmacopeia Inaugural Workshop on Evolution and
Advances in Compounding*
Rockville, MD.
- May 2018 **Ganio M.** Overview of USP Chapters <795>, <797>, and <800>.
United States Army Pharmacy National Webinar.

- October 2016 **Ganio M.** Medication Informatics Practice Workshop: Project Management 101 Sessions I and II; Managing Automation; Optimizing Automation (four sessions total).
HIMSS Asia Pacific eHealth Innovations Summit
Singapore.
- October 2016 **Ganio M.** Medication Safety Symposium: Automation and Technology to Improve Safety of Medication Use.
HIMSS Asia Pacific eHealth Innovations Summit
Singapore.
- December 2015 **Ganio M.** Centralizing distribution using automation: impact on automation capture rate and decentralized inventory.
Informatics Pearls Session
American Society of Health-System Pharmacists 50th-Annual Midyear Clinical Meeting
New Orleans, LA.
- August 2015 **Ganio M, Johnson S.** Integrating a Centralized Distribution Automation Suite.
Epic's 2015 Users' Group Meeting
Verona, WI.
- April 2014 **Ganio M, Barreto J.** Custom Medication Record Build for Investigational Drug Services.
Epic's 2014 Spring Pharmacy Advisory Council Meeting
Verona, WI.
- December 2013 **Ganio M.** Adapting an Inpatient Intervention Tool to Ambulatory Practice
Informatics Pearls Session.
American Society of Health-System Pharmacists 48th-Annual Midyear Clinical Meeting
Orlando, FL.
- September 2013 **Ganio M.** Adapting i-Vents™ for Beacon™ Use.
Epic's 2013 Users' Group Meeting
Verona, WI.
- June 2013 **Ganio M.** Best Practice: State Affiliate and SSHP Relationship.
State Affiliate Best Practices Pearl Session
American Society of Health-System Pharmacists Summer Meeting
Minneapolis, MN.
- May 2012 New Drug Therapies Clinical Pearls Session.
Moderator
Ohio Society of Health-System Pharmacists 73rd Annual Meeting
Columbus, OH.
- May 2011 **Ganio M.** Isolation Precautions: Please Stay Behind the Velvet Rope!
Ohio Society of Health-System Pharmacists 72nd Annual Meeting
Technician Track Programming
Columbus, OH.
- December 2011 **Ganio M.** The "All-Access Pass" to ADA Standards.
Management Pearls Session
American Society of Health-System Pharmacists 46th-Annual Midyear Clinical Meeting
Las Vegas, NV.

- November 2009 **Ganio M.** Common Antimicrobial Drugs in the Acute Inpatient Rehabilitation Setting
Grand Rounds - Physical Medicine and Rehabilitation
The Ohio State University Medical Center – Dodd Hall
Columbus, OH.
- April 2009 **Ganio M.** Mandatory Residency Training: Limitations and Challenges to Achieving ASHP's 20/20 Initiative
Ohio Society of Health-System Pharmacists 70th Annual Meeting
Columbus, OH.
- May 2003 **Ganio M.** Comparison of Ventilator Associated Pneumonia among Patients Receiving Intravenous Famotidine or Pantoprazole
Great Lakes Pharmacy Resident Conference, Purdue University
West Lafayette, IN.

Presentations – Seminars

- April 2023 **Ganio M, O'brien K, Ragno A, Van Trieste M.** Drug Shortages Roundtable. *Ernest Mario School of Pharmacy and Temple University School of Pharmacy joint SSHP Seminar.*
Virtual seminar.
- March 2023 **Ganio M.** Engaging with Regulatory Agencies and Other Stakeholders. *PHRS 899 Seminar in Pharmaceutical Sciences, University of North Carolina Eshelman School of Pharmacy.*
Virtual seminar.
- August 2022 **Ganio M, Scheckelhoff D.** The Current State of Hospital Pharmacy Practice. *ASHP Staff Seminar.*
Virtual seminar.
- September 2021 **Ganio M, Scheckelhoff D.** Health-System Pharmacy Trends and Challenges. *ASHP Foundation Research and Education Foundation Corporate Partners Webinar.*
Virtual seminar.
- August 2019 **Ganio M, Scheckelhoff D.** Summary of results from the 2018 ASHP National Survey.
ASHP Staff Seminar
Bethesda, MD.
- August 2018 Pharmacy Compounding: A Brief History and Update on Current Practice
Ganio M, Schulte-Wall J
ASHP Staff Seminar
Bethesda, MD.
- May 2018 A Brief Overview of USP Chapters <795>, <797>, and <800>
United States Military Federal Pharmacy Chiefs
Bethesda, MD.
- April 2018 ASHP Advocacy and the Practice Advancement Initiative
Regis College of Pharmacy
Denver, CO.
- May 2015, 2014, 2013, 2012, 2011 Residency 101 – The Residency Interview
SSHP-sponsored residency information series
The Ohio State University College of Pharmacy
Columbus, OH.

- November 2014, 2011, 2010, 2009, 2008 Preceptor and Residency Program Director Panel
Ohio Society of Health-System Pharmacists Annual Residency Showcase
Columbus, OH.
- April 2010 Multimedia Presentation Dos and Don'ts
Ohio Society of Health-System Pharmacists 71st Annual Meeting Student Roundtable Session
Columbus, OH.
- August 2008 Chronic Complications of Spinal Cord Injuries: A patient-case approach
Department of Pharmacy Grand Rounds
The Ohio State University Medical Center
Columbus, OH.

Presentations – Posters

- December 2019 James D, Serumaga B, Fox E, **Ganio M**. Identifying candidates for USP compounded preparation monographs from the ASHP list of drug shortages. *American Society of Health-System Pharmacists Midyear Clinical Meeting*.
- May 2018 Fenner K, Meade K, Moore P, Naseman R, Lopez B, **Ganio M**. The Prime Dilemma: Optimizing Small-Volume Infusions with Short-Primary Tubing. *Poster Session at the Oncology Nursing Society Annual Congress*.
- December 2017 Kay N, Jordan T, **Ganio M**, Neidecker M. Implementation and Evaluation of Pharmacist-Provided Injection Service Driven by Private Payer Site-of-Care Policies in the Outpatient Pharmacy. *Vizient Pharmacy Network Meeting*.
- December 2016 Brechtelsbauer E, **Ganio M**, Naseman R, Neidecker M, Kelly K. Assessment of the Impact of Applying Quality Matters Standards to the Success of an Oncology Onboarding Program. *Vizient Pharmacy Network Meeting*.
- December 2016 Pennell B, Lopez B, **Ganio M**, Naseman R, Mirtallo J, Neidecker M. Advance Preparation of Chemotherapy for Outpatient Oncology Infusion Clinics. *Vizient Pharmacy Network Meeting*.
- June 2013 **Ganio M**, Forrey R, Lopez B, Barreto J. Ambulatory adaptation of an inpatient pharmacy intervention tool. *American Society of Health-System Pharmacists Summer Meeting*.
- December 2009 **Ganio M**, Tubbs C, Siegel J. Optimal on-site residency interview format based on candidate and interviewer feedback. *American Society of Health-System Pharmacists Midyear Clinical Meeting*.
- February 2009 Nguyen K, **Ganio M**, Matkovic V. Functional Improvement in a Patient with Nephrogenic Systemic Fibrosis during Inpatient Rehabilitation with Deferoxamine Therapy. *The Association of Academic Physiatrists Annual Meeting*.
- December 2002 **Ganio M**, Gerlach AT. Comparison of the Incidence of Ventilator-Associated Pneumonia Between Patients Receiving Intravenous Pantoprazole and Famotidine; Pilot Study Design. *American Society of Health-System Pharmacists Midyear Clinical Meeting*.

Presentations – Other Media

- June 2023 **Ganio M**, Oliver J. [Pride Podcast Series](#). ASHP Practice Journeys Podcast.
- June 2023 **Ganio M**, Pedersen C, Cobaugh D. [ASHP National Survey of Pharmacy Practice in Hospital Settings: Workforce—2022](#). *AJHP Voices*; podcast of the *American Journal of Health-System Pharmacy*.
- May 2023 Yang K, Parsons S, **Ganio M**. [COVID Updates—Pregnancy, Lactation, and Pediatrics](#). ASHP Engaging the Experts Podcast
- May 2023 Yang K, Mahoney M, **Ganio M**. [COVID Updates and the End of the PHE: What it Means for You](#). ASHP Engaging the Experts Podcast.
- February 2023 **Ganio M**, Schulte Wall J. [Compounding Update—What to Know in 2023](#). ASHP Advocating for Impact Podcast.
- January 2023 Yang K, Mahoney M, **Ganio M**. [New Year, New Subvariants—COVID Therapeutics in 2023](#). ASHP Hot Topics in Pharmacy Practice Podcast.
- November 2022 Kienle P, **Ganio M**. [USP Chapter Revisions: What's Next?](#) ASHP Hot Topics in Pharmacy Practice Podcast.
- October 2022 Yang K, Mahoney M, **Ganio M**. [Boosters, Biologics, Antivirals – Oh My! – COVID-19 in the Immunocompromised](#). ASHP Advantage Engaging the Experts Podcast.
- November 2021 Schulte-Wall J, **Ganio M**. [FDA's New Draft Hospital and Health-System Compounding Guidance: What Does It Mean for Practice?](#) ASHP Advocacy Updates Podcast.
- October 2020 Mehta K, **Ganio M**. [Medical Surveillance for USP General Chapter <800>](#). ASHP Hot Topics in Pharmacy Practice Podcast.
- September 2020 **Ganio M**, Johnson T, Kliethermes M. [Standardize 4 Safety Initiative](#). ASHP Hot Topics in Pharmacy Practice Podcast.
- July 2020 Kienle P, **Ganio M**, Maroyka E. [Hazardous Drugs: a Discussion on the Draft NIOSH List of Hazardous Drugs in Healthcare Settings 2020](#). ASHP Hot Topics in Pharmacy Practice Podcast.
- May 2020 **Ganio M**, Scheckelhoff D, Zellmer W. [2019 ASHP National Survey of Pharmacy Practice](#). *AJHP Voices*; podcast of the *American Journal of Health-System Pharmacy*.
- April 2020 **Ganio M**, Griffith N, Nabhan C. [Drug Shortages, Supply Chain, and Pharmacies during COVID-19](#). *Outspoken Oncology*; podcast of the *Journal of Clinical Pathways*.
- April 2020 Fox E, **Ganio M**, Kraus T, Basalyga V. [COVID-19: Updates on Supply Chain Management and ASHP Legislative Efforts](#). ASHP Podcast.
- March 2020 **Ganio M**, Basalyga V. [COVID-19: Managing Drug Shortages](#). ASHP Podcast.
- September 2019 **Ganio M**, others uncited. [We Have a \[Shortage\] Problem](#). *The Etherist*; podcast of Anesthesiology News.

July 2019

Ganio M, Scheckelhoff D. [2018 ASHP National Survey: Focus on Patient Monitoring and Education](#). *AJHP Voices*; podcast of the *American Journal of Health-System Pharmacy*.

Master's Degree Research

Ganio M, Poi M, Lopez B, Forrey RA, Naseman R. Comparison of centralized robotic automated distribution to decentralized automated dispensing cabinets at a comprehensive cancer hospital

Press Interviews and Appearances

Live interview appearance on CNBC and international news; prerecorded interview appearances on international, national, and local television news and online media outlets.

Live and pre-recorded radio interview appearances on NPR and local radio stations.

Print interview appearances in the New York Times, Washington Post, Reuters, Associated Press, CBS News, ABC News, NBC News, Time, CNN, and others.

Examples available on request.

Honors and Awards

2017 Fellow of ASHP

2018 Ohio State University Wexner Medical Center Residency Mentorship Award

2021 ASHP CEO Award for Staff Excellence

Licensure and Certifications

Ohio State Board of Pharmacy (By Reciprocity)

New Jersey State Board of Pharmacy (By Examination) *inactive*

Board Certified Pharmacotherapy Specialist (BCPS)

Board Certified Sterile Compounding Pharmacist (BCSCP)

Certified Professional in Healthcare Information and Management Systems (CPHIMS)

American Pharmacists Association – Pharmacy-Based Immunization Certification

Wine and Spirit Education Trust – Level II Award in Wines and Spirits

References

Available on request