

CERTIFICATION & EDUCATION

Board Certified Medical Affairs Specialist

May 2022

- ❖ Accreditation Council for Medical Affairs (ACMA)

Doctor of Pharmacy

May 2011

- ❖ University of the Sciences in Philadelphia (USP) Philadelphia College of Pharmacy

POST-GRADUATE TRAINING

Regulatory Pharmaceutical Fellowship – Drug Information Track

July 2011 - June 2013

- ❖ Purdue University
 - College of Pharmacy – Department of Pharmacy Practice
 - IU Health Methodist Hospital – Drug Information Center
 - Wishard Hospital – Drug Information Center
- ❖ Eli Lilly and Company
 - Global Information Disclosure
 - Global Medical Information
- ❖ United States Food and Drug Administration
 - Center for Drug Evaluation and Research – Division of Drug Information

Indiana Pharmacy Resident Teaching Certificate Program

May 2012

- ❖ Purdue University College of Pharmacy
- ❖ Butler University College of Pharmacy and Health Sciences

EDITORIAL

Drug Information a Guide for Pharmacists 8th edition (textbook) – McGraw Hill

Role: Editor

2024 - 2026

LEADERSHIP ACTIVITIES

Director, Christy Houston Foundation Drug Information Center

2014 - Present

Associate Director, Christy Houston Foundation Drug Information Center

2013 - 2014

Fellowship Developer/Director – Academia Component

- ❖ Clinical Management Fellowship in Drug Information
 - Cosponsored by HealthTrust and Belmont University School of Pharmacy2018 - Present
- ❖ Regulatory Management Fellowship in Drug Information
 - Cosponsored by HealthTrust, United States Food and Drug Administration and Belmont University School of Pharmacy2024 - Present
- ❖ Clinical Pharmacist Fellowship in Drug Information
 - Cosponsored by Aegis Sciences Corporation and Belmont University School of Pharmacy
 - Cosponsored by Aegis Sciences Corporation, United States Food and Drug Administration and Belmont University School of Pharmacy2015 - 2023
2023 - 2025

Supervisor

- ❖ HealthTrust Director of Clinical Information 2017 - Present
- ❖ HealthTrust Senior Manager of Clinical Information 2020 - 2024

Committee Chair Appointments: Belmont University School of Pharmacy

❖ Accreditation Council for Pharmacy Education (ACPE) Self Study Standard 6 Subcommittee	2024 - 2025
❖ Curriculum Committee	2020 - 2022
❖ Faculty Affairs Committee	2018 - 2019
❖ Instructional Resources and Technology Committee	2015 - 2017

PROFESSIONAL EXPERIENCE

Director, Christy Houston Foundation Drug Information Center Belmont University School of Pharmacy

June 2014 -
Present

- ❖ Establish collaborative partnerships with health care industry leaders to provide drug information services
 - Initiate and help negotiate contracts and funding for drug information focused fellowship programs and serve as the director of the Belmont University portion of these programs
 - Clinical Management Fellowship in Drug Information
 - Regulatory Management Fellowship in Drug Information
 - Clinical Pharmacist Fellowship in Drug Information
 - Developed contracts and evaluation templates, and recruitment materials that have been utilized campus-wide in the Belmont University Fellows Program
 - Negotiated contracts and obtained funding for the new clinical pharmacist positions within the drug information center valued at approximately \$500,000 per year
 - HealthTrust Director of Clinical Information
 - HealthTrust Senior Manager of Clinical Information
 - HealthTrust Manager of Clinical Information
 - Manage, supervise, and mentor the HealthTrust Director of Clinical Information
 - Established a contract with the American Society of Health-System Pharmacy (ASHP) to complete fact checking for the *AHFS Drug Information* and *Essentials* resources
- ❖ Manage the \$160,000 resource budget for the drug information center
 - Regulate and update text and electronic resources within the center
 - Oversee development, administration and continuous improvement of the Pharmacy Library Guide webpages which provide easy access to these resources by students, faculty, and preceptors
 - Review and process subscription contracts with resource vendors
 - Assess new resources for versatility and budgetary justification
- ❖ Increase exposure and establish a reputation of excellence for the drug information center through accurate, detailed, and dependable responses to drug information questions
 - Compose, edit, and respond to drug information inquiries
 - Coach and mentor pharmacy students and fellows to high standards in inquiry answers
 - Increased question volume from an average of 22 questions per year to an average of 350 questions per year
 - Established additional rotation sites for pharmacy students within the center
 - Developed, implemented, and maintain an electronic filing system for drug information inquiries and related memos using securely shared electronic resources
 - Developed partnerships with LIU Pharmacy (Arnold & Marie Schwartz College of Pharmacy and Health Sciences) and Southern Illinois University Edwardsville's Express Scripts Drug Information & Wellness Center to share drug information questions during the COVID-19 pandemic

**Professor of Pharmaceutical, Social and Administrative Sciences
Belmont University School of Pharmacy**

August 2025 -
Present

- ❖ Develop, prepare, and present lecture for *PHM 6128: Evidence Based Medicine*
 - Modify and create student assignments, assignment keys, and grading
 - Provide one-on-one assistance to students through office hours, phone calls, and email responses
- ❖ Serve as the drug information content expert for the *Pharmacy Skills Lab* course series

**Associate Professor of Pharmaceutical, Social and Administrative Sciences
Belmont University School of Pharmacy**

August 2019 -
July 2025

- ❖ Developed, prepared, and presented lecture and lab components of *PHM 6315: Biomedical Literature Evaluation for Pharmacy* and *PHM 6160: Intro to Drug Information and Informatics*
 - Incorporated new teaching technologies into the classroom (i.e. Canvas, eMedley, Teammates, LibWizard)
 - Modified and created student assignments, assignment keys, and grading
 - Provided one-on-one assistance to students through office hours, phone calls, and email responses
 - Converted to online teaching methods during the COVID-19 pandemic
- ❖ Created course for the new integrated pharmacy curriculum to be offered in Spring 2025, *PHM 6128: Evidence Based Medicine*

**Assistant Professor of Pharmaceutical, Social and Administrative Sciences
Belmont University College of Pharmacy**

August 2013 -
July 2019

- ❖ Developed, prepared, and presented lecture and lab components of *PHM 6315: Biomedical Literature Evaluation for Pharmacy* and *PHM 6160: Intro to Drug Information and Informatics*
 - Developed and implemented the flipped classroom model, team-based learning (TBL), into these courses
 - Incorporated new teaching technologies into the classroom (i.e. Blackboard, TopHat, TurningPoint, eMedley, Teammates, LibWizard)

**Associate Director, Christy Houston Foundation Drug Information Center
Belmont University College of Pharmacy**

August 2013 -
May 2014

- ❖ Composed and responded to drug information inquiries via telephone and email
- ❖ Developed, implemented, and maintained an electronic filing system for drug information inquiries and related memos using securely shared electronic resources
- ❖ Established, composed, and edited *Collaboration Connection*, a monthly update of latest FDA drug information
- ❖ Served as co-editor of *Inquiry*, the Christy Houston Foundation Drug Information Center newsletter
- ❖ Created and maintained the online Belmont College of Pharmacy Citation Guide based on the *AMA Manual of Style*

Regulatory Pharmaceutical Fellowship – Drug Information Track

❖ **Government**

January 2013 -
June 2013

Food and Drug Administration – Division of Drug Information

- Responded to MedWatch and drug information related inquiries from consumers, healthcare professionals, and pharmaceutical industry via telephone and email
- Prepared responses for “hot topic” letter writing campaigns
- Communicated to healthcare professionals and consumers through Twitter postings, Listserv emails, Drug Information Rounds Videos, and Drug Safety Podcasts

- Facilitated the development of the World Health Organization Public Assessment Report (PAR) for all United States FDA tentatively approved and approved President's Emergency Plan for AIDS Relief (PEPFAR) products

❖ **Industry**

Eli Lilly and Company – Global Information Disclosure (GID)

- Provided weekly updates of innovative technologies and current events including a “Technology Highlight” segment
- Researched and explored various ground-breaking technologies and social media tools
- Assisted in the development and implementation of Lilly Wikipedia activities

Eli Lilly and Company – Global Medical Information (GMI)

- Prepared weekly Current Awareness literature search reports for latest publications on Alzheimer's disease state and competitor articles
- Created and updated Cymbalta® (duloxetine) & Amyvid™ (florbetapir) medical letters, Cymbalta® custom written responses, and answered United States & global Cymbalta® escalations
- Conducted peer and data integrity reviews for Cymbalta® (duloxetine) medical letters
- Developed a research strategy for pinpointing multiregional clinical trials and prepared Cymbalta® literature searches

January 2012 -
December 2012

❖ **Academia**

Purdue University

- Served as an Affiliate Clinical Assistant Professor for the *CLPH 86700: Principles of Drug Information and Literature Evaluation* 2-credit required course
 - Prepared and presented didactic lectures
 - Managed and operated in-class, real-time audience response system: TopHatMonocle
 - Managed the Blackboard Learning tool for the class
 - Created student assignments, developed quiz questions, and assisted with grading: Drug Information Question, Drug Monograph, and Journal Article Critiques
 - Created final examination questions and assisted with exam revisions
 - Provided one-on-one assistance to students in office hours, phone calls, and email responses
- Mentored a third-year pharmacy student during the completion of a drug information independent study course
- Served as a drug information specialist within two hospital-based drug information centers: Wishard Hospital and IU Health Methodist Hospital
 - Prepared class review of the 5-HT₁ agonists for presentation to P&T committee
 - Responded to drug information inquiries daily utilizing hospital resources
 - Prepared and updated drug monograph and executive summary for presentation to P&T committee
 - Researched and prepared 10 Adverse Drug Reaction Reports
 - Prepared article for Methodist Hospital internal pharmacy newsletter, *The Monthly Dose*: “FDA Providing Education through WebMD and Medscape”

July 2011 -
December 2012

ADDITIONAL PHARMACEUTICAL INDUSTRY EXPERIENCE

**Pharmacy Solutions Intern, Summer Talent Identification Program (STIP)
GlaxoSmithKline**

May 2009 -
July 2009

- ❖ Investigated chain pharmacies use of auto refill programs and collected demographic information of pharmacy retailers associated with GlaxoSmithKline

- ❖ Discovered the roles of adherence networks within pharma and major pharmacy retailers in addition to developing the top five medication questions a patient should ask
- ❖ Created and distributed an informational brochure on E-prescribing to the brand teams

TEACHING EXPERIENCE: DIDACTIC TEACHING

Belmont University School of Pharmacy

- ❖ **Course:** *PHM 6128: Evidence Based Medicine*
Role: 2025 to Present - Course Coordinator
Credit Hours: 2
Demographics: First professional year pharmacy students
 - 2025 - Present
 - **Lecture:** 120 minutes once weekly - 50 students
- ❖ **Course:** *PHM 6315: Biomedical Literature for Pharmacy*
Role: 2014 to 2026 - Course Coordinator; 2013 - Instructor
Credit Hours: 3
Demographics: Third professional year pharmacy students
 - 2023 - 2026
 - **Lecture:** 110 minutes once weekly - 50 students
 - **Lab:** Two sections 2-hours each weekly - 25 students
 - 2019-2022
 - **Lecture:** 110 minutes once weekly - 100 students
 - **Lab:** Three sections 2-hours each weekly - 33 students
 - 2018
 - **Lecture:** 50 minutes twice weekly - 100 students
 - **Lab:** Three sections 2-hours each weekly - 33 students
 - 2013-2017
 - **Lecture:** 50 minutes twice weekly - 75 students
 - **Lab:** Three sections 2-hours each weekly - 25 students
- ❖ **Course:** *PHM 6102: The Profession of Pharmacy*
Role: Guest Lecturer
Demographics: One section of 50 first professional year pharmacy students
Lecture:
 - “Drug Information Compendia and Fake News”
 - October 1, 2024 - 50 minutes
 - October 1, 2025 - 100 minutes
- ❖ **Course:** *PHM 6101: Pharmacy Skills 1*
Role: Subject Matter Expert
Demographics: First professional year pharmacy students
Lab:
 - “Drug Information Resources”
 - October 10, 2024, October 9, 2025: Three sections 2.5 hours each - 20 students
- ❖ **Course:** *PHM 6121: Pharmacy Skills 2*
Role: Subject Matter Expert
Demographics: First professional year pharmacy students
Lab:
 - “Jigsaw Tertiary Resources”
 - January 23, 2025: Three sections 2.5 hours each - 20 students
 - “Journal Club Sections (Summary)”
 - February 6, 2025: Three sections 2.5 hours each - 20 students
 - “Journal Club Sections (Critique)”
 - March 20, 2025: Three sections 2.5 hours each - 20 students

❖ **Course:** *PHM 6201: Pharmacy Skills 3*

Role: Subject Matter Expert

Demographics: Second professional year pharmacy students

➤ “Cardiovascular Journal Club”

- September 16, 2025, October 7, 2025, November 11, 2025: Three sections 2.5 hours each - 20 students

❖ **Course:** *PHM 6160: Introduction to Drug Information and Informatics*

Role: 2019 to 2020 – Instructor; 2013 to 2018, 2021 to 2024 - Course Coordinator

Credit Hours: 2

Demographics: First professional year pharmacy students

➤ 2023 - 2024

- Lecture: 50 minutes once weekly - 50 students
- Lab: Two sections 2-hours each weekly - 25 students

➤ 2021 - 2022

- Lecture: 50 minutes once weekly - 70 students
- Lab: Three sections 2-hours each weekly - 23 students

➤ 2017 - 2020

- Lecture: 50 minutes once weekly - 100 students
- Lab: Four sections 2 hours each weekly - 25 students

➤ 2016

- Lecture: 50 minutes once weekly - 75 students
- Lab: Three sections 2 hours each weekly - 25 students

➤ 2013 - 2015

- Lab: Three sections 2 hours each weekly - 25 students

❖ **Course:** *PHM 6130 Pharmaceutical Care I*

Role: Guest Lecturer

Demographics: First professional year pharmacy students

Lecture:

➤ “Drug Information”

- September 5, 2023: One section 50 minutes - 50 students
- September 6, 2022: Two sections 75 minutes each - 25 students
- September 7, 2021: Two sections 75 minutes each - 30 students
- May 4, 2020: Recorded lecture for students 60 minutes
- August 28, 2019: One section 75 minutes - 100 students
- August 29, 2018; August 30, 2017; August 31, 2016: Two sections 75 minutes each - 50 students
- September 9, 2015; August 27, 2014: Two sections 60 minutes each - 37 students
- August 28, 2013: Three sections 60 minutes each - 25 students

Purdue University College of Pharmacy

❖ **Course:** *CLPH 86700: Principles of Drug Information and Literature Evaluation*

Role: 2011 to 2012 - Instructor

Credit Hours: 2

Demographics: One section of 160 second professional year pharmacy students

Lectures:

➤ “Appropriate Use of the Internet”

- August 30, 2012; August 30, 2011: 50 minutes

➤ “Drug Information Resources and Search Strategies”

- August 30, 2012; August 30, 2011: 50 minutes

➤ “Clinical Practice Guidelines (CPG)”

- December 8, 2011: 50 minutes

➤ “Background Information for Article #4: Efficacy and safety of the betamethasone valerate 0.1% plaster in mild to moderate chronic plaque psoriasis”

- December 1, 2011: 100 minutes
- “Example Journal Club Presentation: Effects of low-dose, controlled-release, phentermine plus topiramate combination on weight and associated comorbidities in overweight and obese adults (CONQUER)”
- October 27, 2011: 100 minutes

❖ **Course:** *CLPH 49000-4: Introduction to Clinical Research*

Role: Guest Lecturer

Demographics: One section of 16 second and third professional year pharmacy students

Lecture:

- “Pharmacy Careers Question and Answer Session”
- October 25, 2011: 80 minutes

❖ **Course:** *PHPR 100: Pharmacy Orientation 1*

Role: Guest Lecturer

Demographics: One section of 300 pre-pharmacy students

Lecture:

- “Pharmaceutical Care in Today’s Practice - Pharmaceutical Industry Question and Answer Session”
- September 28, 2011: 50 minutes

Manchester University College of Pharmacy

❖ **Course:** *PHRM 322 Drug Information*

Role: Guest Lecturer

Demographics: Two sections of 30 first professional year pharmacy student

Lecture:

- “Role of Drug Information Pharmacists/Drug Information Centers in the Pharmaceutical Industry”
- September 11, 2012: 100 minutes each

TEACHING EXPERIENCE: CLERKSHIP PRECEPTOR

Christy Houston Foundation Drug Information Center

January 2014 - Present

- ❖ Serve as a primary preceptor for Belmont University pharmacy students during four-week rotations

FDA: Division of Drug Information

March 2013

- ❖ Served as primary preceptor for one Purdue University College of Pharmacy student during a four-week rotation

Eli Lilly and Company: Global Information Disclosure Department

July 2012

- ❖ Served as primary preceptor for one University of Kentucky College of Pharmacy student during a six-week rotation

Wishard Hospital: Drug Information

November 2012

- ❖ Reviewed assignments and served as an assistant preceptor for one Purdue University College of Pharmacy student for three weeks of a four-week rotation

GlaxoSmithKline: Pharmacy Solutions Department

July 2009

- ❖ Developed projects and served as an assistant preceptor to one University of North Carolina College of Pharmacy student during a five-week rotation

PROFESSIONAL DEVELOPMENT

Research Skills Certificate

June 2024

- ❖ American Society of Health System Pharmacists

CITI-Collaborative Institutional Training Initiative

Completed: February 2019

- ❖ Social-Behavioral-Education Faculty and Staff Researchers
- ❖ Basic Human Subjects Research

Protecting Human Research Participants

August 2016

- ❖ National Institutes of Health

Research Project Development Program

July 2012 – December 2012

- ❖ Purdue University College of Pharmacy

GRANTS AND CONTRACTS

HealthTrust Purchasing Group

- ❖ Negotiated contracts and obtained funding for new clinical pharmacist positions within the Christy Houston Foundation Drug Information Center valued at approximately \$500,000 per year.

- HealthTrust Director of Clinical Information
- HealthTrust Senior Manager of Clinical Information
- HealthTrust Manager of Clinical Information

September 2017 - Present

June 2020 - Present

June 2024 - Present

- ❖ Negotiated contracts and obtained funding for drug information focused fellowship programs within Belmont University College of Pharmacy and Health Sciences valued at approximately \$150,000 per year.

- Clinical Management Fellowship in Drug Information
- Regulatory Management Fellowship in Drug Information

2018 - Present

2024 - Present

American Society of Health-System Pharmacy (ASHP)

August 2023 - Present

- ❖ Established a contract for the Christy Houston Foundation Drug Information Center pharmacists to complete fact checking work for *AHFS Drug Information* and *AHFS Essentials*.

Aegis Sciences Corporation

- ❖ Negotiated contracts and obtained funding for drug information focused fellowship programs within Belmont University College of Pharmacy and Health Sciences valued at approximately \$75,000 per year.

- Clinical Pharmacy Fellowship in Drug Information

2015 - 2025

Vanderbilt Evidence-Based Practice Center

February 2014 - 2015

- ❖ Served as an author and contributor to two Agency for Healthcare Research and Quality (AHRQ) guidelines.

Gloria Niemeyer Francke Pharmacy Practice Advancement Grant Program

February 2012

- ❖ Received a \$2,500 grant for fellowship research project:
 - **Ness GL**, Sheehan AH, Snyder ME, Jordan J, Cunningham JE, Gettig JP. Student Pharmacists' Perspectives on E-Professionalism.

PUBLICATIONS

1. Triplett S, **Ness Engle GL**, Behnen EM. A comparison of drug information question responses by a drug information center and by ChatGPT. *Am J Health Syst Pharm*. Published online October 25, 2024. <https://doi.org/10.1093/ajhp/zxae316>
2. Beckett RD, Brattain Y, Troung J, **Engle G**. Tertiary drug information sources for treatment and prevention of COVID-19. *J Med Libr Assoc*. 2023;111(4). <https://doi.org/10.5195/jmla.2023.1662>
3. Maneno JN, **Ness GL**. Andexanet alfa, the possible alternative to protamine for reversal of unfractionated heparin. *Ann Pharmacother*. 2021;55(2):261-264. <https://doi.org/10.1177/1060028020943160>
4. Grossman S, Nathan JP, Ipema HJ, **Ness GL**, Tierno HE, Gabay MP, Calip GS. Survey of drug information centers in the United States-2018. *Am J Health Syst Pharm*. 2020;77(1):33-38. <https://doi.org/10.1093/ajhp/zxz267>
5. Singleton EL, Le N, **Ness GL**. Theophylline and caffeine as alternatives during an aminophylline shortage. *Ann Pharmacother*. 2019;53(3):316-320. <https://doi.org/10.1177/1060028018806624>
6. **Ness GL**, McGuire JM, Taylor P. A qualitative analysis of student pharmacists' response after an auditory hallucination simulation. *Inov Pharm*. 2017;8(3): Article 4. <https://doi.org/10.24926/iip.v8i3.529>
7. Ficzer CH, Hagan A, **Ness GL**, Greene EM, Hill K. Comparison of reading levels of pharmacy students and reading level of primary literature. *Inov Pharm*. 2016;7(3): Article 5. <https://doi.org/10.24926/iip.v7i3.448>
8. Chinnadurai S, Snyder K, Sathe N, Fonnesbeck C, Morad A, Likis FE, Surawicz T, **Ness G**, Ficzer C, McPheeters ML. Diagnosis and management of infantile hemangioma review no. 168. (Prepared by the Vanderbilt Evidence-based Practice Center under Contract No. 290-2010-00009-I.) AHRQ Publication No. 16-EHC002-EF. Rockville, MD: Agency for Healthcare Research and Quality; January 2016. <https://effectivehealthcare.ahrq.gov/topics/infantile-hemangioma/research>
9. Epstein RA, Fonnesbeck R, Williamson E, Kuhn T, Lindegren ML, Rizzone K, Krishnaswami S, Sathe NA, Ficzer CH, **Ness GL**, Wright GW, Raj M, Potter S, McPheeters ML. Psychosocial and pharmacologic interventions for disruptive behavior in children and adolescents review no. 154. (Prepared by the Vanderbilt Evidence-based Practice Center under Contract No. 290-2012-00009-I.) AHRQ Publication No. 15-EHC019-EF. Rockville, MD: Agency for Healthcare Research and Quality; October 2015. <https://effectivehealthcare.ahrq.gov/topics/disruptive-behavior-disorder/>
10. Nguyen AP, **Ness GL**. Hemolytic anemia following rasburicase administration - a review of published reports. *J Pediatr Pharmacol Ther*. 2014;19(4):310-316. <http://www.jppt.org/doi/abs/10.5863/1551-6776-19.4.310>
11. **Ness GL**, Riggins JL, Sheehan AH. Pharmacists' use of electronic handheld drug information applications [letter]. *Ann Pharmacother*. 2014;48(10):1392-3. <https://doi.org/10.1177/1060028014542269>
12. **Ness GL**, Sheehan AH, Snyder ME. Graduating student pharmacists' perspectives on e-professionalism and social media: qualitative findings. *J Am Pharm Assoc*. 2014;54:138-143. <https://doi.org/10.1331/JAPhA.2014.13188>
13. Primeaux B, Daubert E. Choosing the right path: interview with Josiah Land, PharmD and **Genevieve Ness, PharmD**. *APhA-ASP Student Pharmacist*. January/February 2014:23. <https://www.pharmacist.com/article/choosing-right-path>

14. **Ness GL**, Sheehan AH, Snyder ME, Jordan J, Cunningham JE, Gettig JP. Graduating pharmacy students' perspectives on e-professionalism and social media. *Am J Pharm Educ*. 2013;77(7):146. <https://doi.org/10.5688/ajpe777146>
15. Riggins J, Wu K, **Ness GL**. Regulatory guidelines and social media: proceed with caution. *Drug Information Association Global Forum*. 2012; 4: 31-35.

BOOK CHAPTERS

1. Sherman M, Mondloch A, **Engle G**. Daprodustat - 2023 FDA Novel Drug for Anemia Caused by Chronic Kidney Disease. *PPP Updates*, 6 May 2024. McGraw Hill, 2024. *Pharmacotherapy Principles & Practice*. <https://ppp.mhmedical.com/updatesContent.aspx?gbosid=648486§ionid=286808315>
2. Sherman M, Mondloch A, **Ness G**. Novel Drugs Approved for Psoriasis in 2022. *PPP Updates*, 15 March 2023. McGraw Hill, 2023. *Pharmacotherapy Principles & Practice*. <https://ppp.mhmedical.com/updatesContent.aspx?gbosid=615010§ionid=276743953>
3. Mondloch A, Sherman M, **Ness G**. Pediatric Growth Deficiency 2021 FDA Novel Drugs. *PPP Updates*, 9 May 2022. McGraw Hill, 2022. *Pharmacotherapy Principles & Practice*. <https://ppp.mhmedical.com/updatesContent.aspx?gbosid=588246§ionid=267378164>
4. **Ness GL**, Beckett RD. Assessing Drug Promotions. In: Malone PM, Whitt BA, Malone MJ, Peterson DM. eds. *Drug Information a Guide for Pharmacists*. 7th ed. McGraw-Hill; 2022:1107-1162.
5. **Ness GL**, Chen JT, Dong BJ, Pucino F, Calis KA. Thyroid Diseases. In: Tisdale JE, Miller DA. *Drug Induced Diseases: Prevention, Detection, and Management*. 3rd ed. American Society of Health-System Pharmacists, Inc.; 2018:697-727.
6. Beckett RD, **Ness GL**. Assessing Drug Promotions. In: Malone PM, Malone MJ, Park SK. eds. *Drug Information a Guide for Pharmacists*. 6th ed. McGraw-Hill; 2018:1017-1055.
7. Beckett RD, **Ness GL**. Assessing Drug Promotions. In: Malone PM, Kier KL, Stanovich JE eds. *Drug Information a Guide for Pharmacists*. 5th ed. McGraw-Hill; 2014:1011-1044.

GLOBAL AUDIENCE PRESENTATIONS

1. **Ness GL**. Pharmacists' Use of Electronic Handheld Drug Information Applications. Presented at: Medical Communications All Community Call. Drug Information Association (DIA). January 29, 2014; Webinar.
2. **Ness GL**. Electronic Drug Information for the GADIS Pharmacist. Global Alliance of Drug Information Specialists (GADIS). Presented at: United States Food and Drug Administration (FDA); November 25, 2013; Webinar.

PODIUM PRESENTATIONS AT PROFESSIONAL MEETINGS

1. **Ness Engle GL**, Tiptlett S, Cook J. Using ChatGPT to Answer Drug Information Questions and Analyze Medical Literature. Presented at: Tennessee Health Science Library Association (TheSLA) Spring Meeting; May 6, 2025; Virtual.
2. Mondloch A, **Ness Engle GL**, Cook J. Utilizing AI to Assess Medical Literature: Another Tool in the Toolbelt? Presented at: American Society of Health-System Pharmacy (ASHP) Midyear Clinical Meeting; Drug Information Research and Practice Forum; December 11, 2024; New Orleans, LA.

3. **Ness Engle GL**, Triplett S, Ajayi T. A Comparison of Drug Information Question Responses Answered by a Drug Information Center and ChatGPT. Presented at: American Society of Health-System Pharmacy (ASHP) Midyear Clinical Meeting: Drug Information Research and Practice Forum; December 3, 2023; Anaheim, CA.
4. Grossman S, Nathan JP, **Ness GL**. Developing Post-Graduate Fellowship Programs through Academic Drug Information Centers. Presented at: American Society of Health-System Pharmacy (ASHP) Midyear Clinical Meeting: Drug Information Research and Practice Forum; December 2021; Virtual.
5. **Ness GL**, Sheehan AH. Partnering with Pharmaceutical Industry to Develop Post-Graduate Fellowship Programs in Drug Information. Presented for: American Association of Colleges of Pharmacy. February 3, 2017; Webinar.
6. **Ness GL**. Use of Electronic Handheld Drug Information Applications in Pharmacy Practice. Presented at: American Society of Health-System Pharmacy (ASHP) Midyear Clinical Meeting: Drug Information Research and Practice Forum; December 10, 2013; Orlando, FL.
7. **Ness GL**, Sheehan AH. Use of Social Media and Perspectives on E-Professionalism. Presented at: American Society of Health-System Pharmacy (ASHP) Midyear Clinical Meeting: Drug Information Research and Practice Forum; December 4, 2012; Las Vegas, NV.
8. **Ness GL**. Student Pharmacists' Perspectives on E-Professionalism. Presented at: Great Lakes Pharmacy Residency Conference; April 27, 2012; West Lafayette, IN.

CONTINUING EDUCATION PRESENTATIONS

1. **Ness Engle GL**. Stop Googling! How Preceptor Resources Can Help Answer Your Questions. Presented at: Annual Preceptor Dinner; March 28, 2023; Nashville, TN.
2. **Ness Engle GL**. Stop Googling! How Preceptor Resources Can Help Answer Your Questions. Presented at: Belmont University Continuing Education Event; June 17, 2020; Webinar.
3. **Ness Engle GL**. Stop Googling! How Preceptor Resources Can Help Answer Your Questions. Presented at: 5th Annual Preceptor Dinner; April 17, 2018; Nashville, TN.
4. **Ness GL**, Claussen K. 2016 New Drug Approvals. Presented at: Southern Pharmacy Cooperative Annual Membership Meeting; May 6, 2017; Nashville, TN.
5. **Ness GL**, Claussen K. 2016 New Drug Approvals. Presented at: Belmont University Homecoming Continuing Education Conference; February 25, 2017; Nashville, TN.
6. **Ness GL**, Claussen K. 2015 New Drug Approvals. Presented at: Belmont University Homecoming Continuing Education Conference; February 20, 2016; Nashville, TN.
7. **Ness GL**. 2014 New Drug Approvals. Presented at: Belmont University Homecoming Continuing Education Conference; February 28, 2015; Nashville, TN.

POSTER PRESENTATIONS

1. Alberti C, Krafcisin T, Johnson D, **Ness Engle GL**. Evaluating the accuracy of three artificial intelligence models to answer drug information questions in comparison to drug information pharmacist-curated responses. Poster presented at: American Society of Health-System Pharmacists Midyear Clinical Meeting; December 2024; New Orleans, LA.

2. Grossman S, Nathan JP, Mondloch AT, Miah R, **Ness Engle GL**. Availability of dual-degree programs as a factor influencing pharmacy school selection. Poster presented at: American Association of Colleges of Pharmacy Annual Meeting; July 2024; Boston, MA.
3. Fricker Z, Cook J, Mondloch AT, **Ness Engle GL**. Pharmacy workshops for high school students: building the next generation of pharmacists. Poster presented at: American Society of Health-System Pharmacists Midyear Clinical Meeting; December 2023; Anaheim, CA.
4. Reuter A, **Ness GL**, Triplett S. Adverse events in patients taking generic angiotensin II receptor blockers versus brand: a retrospective analysis. Poster presented at: American Society of Health-System Pharmacists Midyear Clinical Meeting; December 2022; Las Vegas, NV.
5. Triplett S, **Ness GL**. Tattoo ink accumulation in the lymphatic system: a review of literature. Poster presented at: American Society of Health-System Pharmacists Midyear Clinical Meeting; December 2022; Las Vegas, NV.
6. Hwang S, **Ness GL**. Current drug information fellows' occupational expectations and fellowship graduate job placement. Poster presented at: American Society of Health-System Pharmacists Midyear Clinical Meeting; December 2022; Las Vegas, NV.
7. Sherman M, **Ness GL**, Wang F, Miller R, Everett S. A review of drug information education in U.S. pharmacy schools. Poster presented at: American Society of Health-System Pharmacists Midyear Clinical Meeting; December 2021; Virtual.
8. Mondloch AT, Johnson C, **Ness GL**. Dual degree programs' influence on pharmacy school selection. Poster presented at: American Society of Health-System Pharmacists Midyear Clinical Meeting; December 2021; Virtual.
9. Deanes C, **Ness GL**, Reed J. Medications associated with cognitive impairment: an update from a 2010 meta-analysis. Poster presented at: American Society of Health-System Pharmacists Midyear Clinical Meeting; December 2020; Virtual.
10. Maneno J, **Ness GL**. Alternatives to protamine for reversal of unfractionated heparin (UFH) during a shortage. Poster presented at: American Society of Health-System Pharmacists Midyear Clinical Meeting; December 2019; Las Vegas, NV.
11. Douglas A, **Ness GL**. Podcasts for drug information: a survey of pharmacy-related podcasts. Poster presented at: American Society of Health-System Pharmacists Midyear Clinical Meeting; December 2019; Las Vegas, NV.
12. Jetha A, Douglas A, **Ness GL**. Blood and urine level data of medications that appear on a toxicology report. Poster presented at: American Society of Health-System Pharmacists Midyear Clinical Meeting; December 2019; Las Vegas, NV.
13. Manley SY, **Ness GL**. Implementation, Utilization, and Pharmacy Student Views on Team-Based and Active Learning in an Introduction to Drug Information Course: A Comparison of Two Years. Poster presented at: American Society of Health-System Pharmacists Midyear Clinical Meeting; December 2018; Anaheim, CA.
14. Singleton E, Le N, **Ness GL**. Caffeine for the Reversal of Dipyridamole and Regadenoson in Pharmacologic Stress Testing. Poster presented at: American Society of Health-System Pharmacists Midyear Clinical Meeting; December 2018; Anaheim, CA.
15. Garland J, **Ness GL**. Student's Perception of TBL in a Biomedical Literature Evaluation Course. Poster presented at: Innovative Strategies to Advance Student Learning Lilly Conference; August 2018; Asheville, NC.

16. Schnees A, Blalock S, Reed L, **Ness GL**, Watson A. Clinical Decision Support for Pediatric Obesity: Accuracy, Completeness, and Usability of the Most Popular Drug Information Applications for Healthcare Practitioners. Poster presented at: American Society of Health-System Pharmacists Midyear Clinical Meeting; December 2015; New Orleans, LA.
17. **Ness GL**, Beckett RD. Instructing Student Pharmacists to Analyze Direct to Consumer Advertisements. Poster presented at: American Association of Colleges of Pharmacy Annual Meeting; July 2015; National Harbor, MD.
18. Ficzero CH, Hagan A, Hill K, **Ness GL**, Blash A. Evaluating Reading Levels of First, Second and Third Year Pharmacy Students Compared to the Reading Level of Primary Literature. Poster presented at: American Association of Colleges of Pharmacy Annual Meeting; July 2015; National Harbor, MD.
19. TenBarge AM, **Ness GL**, Parikh BT, Sheehan AH, Riggins JL, Davison LE. Pharmacists' Use of Drug Information Digital Channels Offered by Three Different Practice Settings. Poster presented at: Drug Information Association: Medical and Scientific Communications 2014 Annual Forum; March 2014; Orlando, FL.
20. **Ness GL**, Riggins JL, Sheehan AH. Pharmacists' Use of Electronic Handheld Drug Information Applications. Poster presented at: Drug Information Association: Medical and Scientific Communications 2013 Annual Forum; March 2013; Chandler, AZ.
21. **Ness GL**, Sheehan AH, Snyder ME, Jordan J, Cunningham JE, Gettig JP. Student Pharmacists' Perspectives on E-Professionalism. Poster presented at: American Association of Colleges of Pharmacy Annual Meeting; July 2012; Kissimmee, FL.

ADDITIONAL PRESENTATIONS

1. "Peer Evaluations Made Easy with Teammates". Presented for Inaugural Belmont University BYTE Showcase. Nashville, TN; April 11, 2018.
2. "Instructing Student Pharmacists to Analyze Direct to Consumer Advertisements (DTCA)". Presented at: Belmont University Teaching Center Workshop; Nashville, TN; May 11, 2016.
3. "Copyright Law for Academia". Presented for Belmont University College of Pharmacy Teaching Certificate Program. Nashville, TN; November 18, 2015.
4. "Monthly Technology Highlight". Presented to Lilly Global Information Disclosure Team. Indianapolis, IN; August 2012, September 2012, October 2012, November 2012, and December 2012.
5. "Wikipedia: Lilly Involvement". Presented to Lilly Global Information Disclosure and Lilly Global Customer Engagement department heads. Indianapolis, IN; October 2012.
6. "Cerebral PET with florbetapir compared with neuropathology at autopsy for detection of neuritic amyloid- β plaques: a prospective cohort study". Presented to Lilly neuroscience medical information specialists, medical science liaisons, and study authors. Indianapolis, IN; August 2012.
7. "Alzheimer's Disease Training". Presented to The Lilly Answer Center (TLAC). Indianapolis, IN; May 2012.
8. "Alzheimer's Current Awareness Training". Presented to Primo (Lilly vendor). Indianapolis, IN; April 2012.
9. "Alzheimer's Disease and Amyvid™ (florbetapir) Phase III Clinical Trial Training". Presented to The Lilly Answer Center (TLAC). Indianapolis, IN; February 2012 and March 2012.

10. "Wikipedia Educational session". Presented to Lilly Global Information Disclosure Team. Indianapolis, IN; February 2012.
11. "E-Professionalism for the Healthcare Professional". Presented to 160 first professional year Purdue University pharmacy students. West Lafayette, IN; August 2011.
12. "Nulojix™ (belatacept) Monograph". Presented to IU Health Drug Information Center staff, preceptor, rotation students, and PGY1 pharmacy residents. Indianapolis, IN; July 2011.
13. "E-Prescribing at the Cutting Edge of Healthcare". Presented to GlaxoSmithKline Pharmacy Solutions Department. Philadelphia, PA; July 2009.
14. "Lamictal® ODT™ Targeted Launch". Presented to GlaxoSmithKline Channel Development and Sales Department. Research Triangle Park (RTP), NC; May 2009.

PROFESSIONAL ACTIVITIES

Fact Checker

- ❖ *AHFS Drug Information* and *AHFS Essentials* 2023 - Present

phactMI Drug Information Specialist Networking Event

- ❖ Event and Continuing Education Coordinator December 11, 2024

Residency Preceptor - Drug Information Experience

- ❖ St. Thomas West Hospital Residency Program 2014 - 2016, 2023
- ❖ St. Thomas Rutherford Hospital Residency Program 2015 - 2018

Global Alliance of Drug Information Specialists (GADIS) Committee Member

- ❖ Food and Drug Administration – Center for Disease Evaluation and Research 2013 - 2017

Peer Reviewer

- ❖ *Annals of Pharmacotherapy* 2011
- ❖ *Journal of the American Pharmacists Association (JAPhA)* 2014, 2016, 2018, 2020
- ❖ *Currents in Pharmacy Teaching and Learning* 2014, 2019, 2023
- ❖ *Journal of the American College of Clinical Pharmacy (JACCP)* 2022
- ❖ *Innovations in Pharmacy* 2024

Abstract Reviewer

- ❖ American Pharmacists Association Contributed Papers Program 2013, 2014

ASHP Drug Information Guidelines Reviewer

- ❖ Ghaibi S, Ipema H, Gabay M. ASHP Guidelines on the Pharmacist's Role in Providing Drug Information. *Am J Health Syst Pharm.* 2015;72(7):573-577. 2013

Belmont University School of Pharmacy Committee Appointments

- ❖ Instructional Resources and Technology Committee
 - **Chair** 2015 - 2017
 - Vice Chair 2013 - 2014
 - Secretary 2014 - 2015
 - Standing Member 2017 - 2020
- ❖ Faculty Affairs Committee
 - **Chair** 2018 - 2019
 - Vice Chair 2017 - 2018
- ❖ Assessment Committee
 - Member 2016 - 2017

❖ Curriculum Committee	
➤ Chair	2020 - 2022
➤ Chair Elect	2019 - 2020
➤ Member	2014 - 2017, 2022 - 2026
❖ Curricular Revision Task Force	
➤ Member	2019 - 2025
❖ Accreditation Council for Pharmacy Education (ACPE) Self Study Standard 6 Subcommittee	
➤ Chair	2024 - 2025
❖ Awards Committee	
➤ Member	2013 - 2014
❖ Search Committees	
➤ Assistant/Associate Professor of Pharmacy: Skills Lab Coordinator	2022
➤ Assistant/Associate Professor of Pharmacy: Ambulatory Care	2020
➤ Assistant/Associate Professor of Pharmacy: Internal Medicine	2013 - 2014
➤ Continuing Education Coordinator	2013

Belmont University Committee Appointments

❖ Library Advisory Board - Order Coordinator	2014 - Present
❖ Library Taskforce	2024 - 2025
❖ Search Committee	
➤ Assistant Professor of Research & Learning Services Librarian for Medicine	2022 - 2023
❖ BYTE Showcase Planning Committee	2018
❖ Vision 2020 Technology Committee	2015

Student Organization Advising Appointment

❖ Academy of Managed Care Pharmacy (AMCP)/Industry Pharmacists Organization (IPhO) Student Chapter Advisor	2015 - Present
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BELMONT UNIVERSITY EDITORIAL APPOINTMENTS

1. *The Prescription Press* (monthly) – Update of the latest drug information
Role: Editor 2025 - Present
2. *Collaboration Connection* (monthly) – Update of the latest drug information from FDA
Role: Founding Editor September 2013 - November 2015
3. *Inquiry* (quarterly) – Newsletter of the Christy Houston Foundation Drug Information Center
Role: Editor 2013 - 2015, 2019

PROFESSIONAL ASSOCIATIONS

❖ Alliance of Industry Fellowship Associates (AIFA)	2023 - Present
❖ American Society of Health System Pharmacists (ASHP)	2010 - Present
❖ Drug Information Association (DIA)	2012 - 2014
❖ American Association of Colleges of Pharmacy (AACP)	2012 - 2013
❖ American Pharmacists Association (APhA)	2010 -2011
❖ Academy of Managed Care Pharmacy (AMCP)	2009 - 2010
❖ Pennsylvania Society of Health System Pharmacists (PSHP)	2007 - 2009
❖ Christian Pharmacists Fellowship International (CPFI)	2005 - 2006

PHARMACIST LICENSURE

❖ State of Tennessee Board of Pharmacy	Credential #37611	Active: August 2023
❖ State of Florida Board of Pharmacy	Credential #PS48712	Active: February 2012

VOLUNTEER ACTIVITIES

❖ Catholic Church of the Nativity Homebound Ministry	Spring Hill, TN	October 2021 – Present
❖ Otto's Club of Franklin Browns Backers Board of Directors Member	Franklin, TN	September 2019 – January 2024
❖ OneGen Away Food Distributor Volunteer	Nashville, TN	January 2023
❖ Catholic Church of the Nativity Music Ministry Cantor/Vocalist	Spring Hill, TN	September 2016 – December 2019
❖ Forest Hills United Methodist Church Choir Vocalist	Brentwood, TN	September 2014 – December 2014
❖ Forest Hills United Methodist Church Wesley Ringers Choir Member	Brentwood, TN	September 2014 – December 2014
❖ TWISTER – Tennessee Women in Science, Technology, Engineering & Research Conference Presenter	Nashville, TN	February 2014
❖ Union Chapel United Methodist Church Choir Vocalist	Indianapolis, IN	September 2011 – December 2012
❖ Kerr Drug Health Clinic Volunteer-Bob Barker Company	Fuquay-Varina, NC	July 2009
❖ Open Door Clinic Pharmacy Volunteer	Raleigh, NC	June 2009
❖ World Vision's 30 Hour Famine Leader	Philadelphia, PA	March 2006
❖ World Servants Missions Missionary	Central Station, WV	July 2005

HONORS AND AWARDS

❖ Faculty Award for Outstanding Scholarly Achievement	2025
❖ Condit Steil Professional Stewardship Award	2024
❖ Advisor of the Year AMCP/IPhO – MEDGala Certificate of Excellence	2023
❖ Quarry Crusher Run Nashville – First Place in Age Group	2019
❖ Goats Gallop 5K – First Place in Age Group	2017
❖ Team Excellence Award - FDA Center for Drug Evaluation and Research	2013
❖ Drug Information Association Resident/Fellow Poster Session 1st Place Winner	2013
❖ Alpha Lambda Delta National Honor Society Member	2006 - 2007

REFERENCES: AVAILABLE UPON REQUEST