

# CLINICAL PHARMACIST FELLOWSHIP IN DRUG INFORMATION

2023-2025 Program Brochure

## PURPOSE

The two-year post-doctoral Clinical Pharmacist Fellowship in Drug Information is designed to provide fellows with an intensive program focused in drug information, evidence-based practice, toxicology, teaching and research. It is the goal of the program to equip fellows to serve as clinical pharmacists in the practice settings of toxicology and university/college faculty, drug information specialists in government agency, medical science liaisons or medical writers.

*On behalf of Belmont University College of Pharmacy, Aegis Sciences Corporation, and the Division of Drug Information at the FDA we would like to thank prospective fellows for their interest in our program.*



CHRISTY HOUSTON FOUNDATION  
DRUG INFORMATION CENTER



## OBJECTIVES AND RESPONSIBILITIES

### BELMONT UNIVERSITY

Belmont University consists of approximately 9,000 students from across the United States and abroad. Committed to being a leader among teaching universities, Belmont brings together the best of liberal arts and professional education in a Christian community of learning and service. The purpose of the academic portion of the fellowship program is to provide fellows with exposure to academia as well as the functions and responsibilities of an academic-based drug information practice. The academia experience includes providing didactic and experiential training to Belmont University College of Pharmacy students. In addition, fellows will participate in the functions and responsibilities of a drug information specialist within the Christy Houston Foundation Drug Information Center.

- Be familiar with drug information resources and appropriately utilize these resources
- Conduct thorough literature searches and critically evaluate primary literature
- Clearly and accurately respond to drug information requests while incorporating requestor and patient-specific factors
- Provide experiential teaching and supervision for pharmacy students completing Advanced Pharmacy Practice Experiences in the drug information center
- Effectively deliver didactic instruction to pharmacy students at Belmont University
- Demonstrate strong writing and editing skills
- Participate in departmental duties corresponding to a faculty appointment

### AEGIS SCIENCES CORPORATION

Founded in 1990, Aegis Sciences Corporation is a laboratory sciences company specializing in healthcare services that provide science-driven testing and consulting for clients, such as professional and amateur sports organizations, leading college and university athletic programs, healthcare professionals, Fortune 500 companies, and government agencies throughout the United States. The Aegis experiences will be designed and structured to fully integrate the fellows into the daily functions and responsibilities of the Clinical Pharmacist team. This component of the fellowship program will allow the fellows to become proficient in medication compliance testing and interpretation for a variety of healthcare fields, including behavioral health, cardiology and pain management.

- Cultivate personal and professional development
- Serve as a preceptor for pharmacy students
- Prepare educational materials
- Lead sessions for Aegis University
- Present journal clubs
- Conduct research leading up to a published manuscript
- Assist the Research and Development (R&D) team
- Assist healthcare providers with clinical toxicology-related questions
- Provide educational training for scientists, sales team and healthcare providers
- Coordinate and lead large scale projects to develop project management skills
- Additional opportunities will be offered based on the fellows' skills, interests and status of the opportunities during the training period
- Audit portions of the certifying scientist course



### FDA - DIVISION OF DRUG INFORMATION

The Division of Drug Information (DDI) within FDA's Center for Drug Evaluation and Research is the latest partner in this fellowship program, joining in 2022. DDI fulfills its mission by educating the public and providing timely, accurate, and useful information regarding human drug products through traditional and social media outlets. The FDA experience provides an opportunity for fellows to refine their drug information skills in a regulatory setting. Fellows will respond to drug information inquiries from patients, health care professionals, and regulated industry; create and disseminate content; and assist with high-profile initiatives based on their areas of interest and Agency need.

- Participate as a Center liaison with the activities of a Review Division within the Office of New Drugs
- Respond to inquiries received about human drug regulations/products and DDI's various programs, including CDER Small Business and Industry Assistance
- Engage with the public as an active member of the CDER social media team, supporting engagement on Facebook and LinkedIn and participating in a variety of social media initiatives
- Precept and lead topic discussions for P4 rotation students

# PROGRAM DIRECTORS



## GENEVIEVE LYNN (NESS) ENGLE, PHARM.D., BCMAS

*Director, Christy Houston Foundation Drug Information Center  
Associate Professor of Pharmaceutical, Social and Administrative Sciences  
Belmont University College of Pharmacy*

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*Dr. Genevieve Lynn (Ness) Engle graduated from the Philadelphia College of Pharmacy where she received her Doctor of Pharmacy in May 2011. Dr. Engle completed the Regulatory Pharmaceutical Fellowship with a focus in Drug Information with rotations at Purdue University, Eli Lilly and Company, and the Food and Drug Administration (FDA).*

*Dr. Engle joined the faculty at the Belmont University College of Pharmacy (BUCOP) in August of 2013 as the Associate Director of the Christy Houston Foundation Drug Information Center. She became Director of the center in June 2014.*

*Dr. Engle teaches the PHM6160 Introduction to Drug Information & Informatics and PHM6315 Biomedical Literature Evaluation for Pharmacy courses within the curriculum. She also precepts fourth year pharmacy students on an elective drug information rotation within the Drug Information Center.*

*Dr. (Ness) Engle has been published in American Journal of Pharmaceutical Education, Journal of the American Pharmacists Association, Annals of Pharmacotherapy, and Innovations in Pharmacy.*

*Dr. (Ness) Engle has also co-authored two guideline publications for the Agency for Healthcare Research and Quality (AHRQ).*

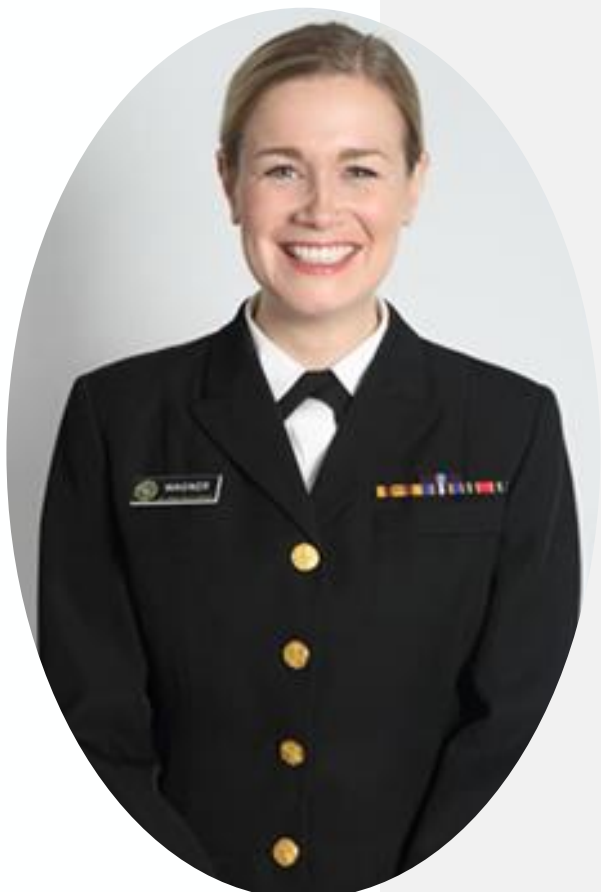


## ANDREW HOLT, PHARM.D., BCMAS

*Clinical Pharmacist  
Aegis Sciences Corporation*

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*Dr. Andrew Holt completed his pre-professional curriculum at the University of Memphis, received his Doctor of Pharmacy degree from the University of Tennessee Health Science Center, and is licensed in Tennessee, Arkansas, and Mississippi. Before joining Aegis, Dr. Holt worked for the Tennessee Board of Pharmacy as Executive Director and was Director of Tennessee's Prescription Monitoring Program. He also has experience in both nuclear medicine and community pharmacy, with certifications in immunizations, medication therapy management, and pharmacogenomics. Andrew is an assistant professor for the Department of Clinical Pharmacy and Translational Science at the University of Tennessee College of Pharmacy and serves as a preceptor for six colleges of pharmacy. He holds memberships in the Tennessee Pharmacists Association, ASHP and International Society for the Study of Emerging Drugs. Dr. Holt's professional interests include designer drug surveillance and detection, along with the education of providers on these substances of abuse.*



## LINDSAY WAGNER, PHARM.D., BCPS

*Commander, United States Public Health Service  
Branch Chief, Education & Outreach Branch  
Division of Drug Information | Center for Drug Evaluation and Research  
U.S. Food and Drug Administration*

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*CDR Lindsay Wagner received her Doctor of Pharmacy degree from the Albany College of Pharmacy and Health Sciences. Following graduation, she completed a two-year post-doctoral fellowship in drug information with Purdue University, Janssen Scientific Affairs, and FDA. CDR Wagner joined the FDA's Division of Drug Information in 2011 and the United States Public Health Service Commissioned Corps in 2012. In her role as a Branch Chief in the Division of Drug Information, she leads pharmacists and other experts in providing timely, complete, and accurate responses to drug information inquiries from around the globe. CDR Wagner contributes her expertise to many programs including Expanded Access and the President's Emergency Plan for AIDS Relief (PEPFAR). CDR Wagner serves as the Director of the Regulatory Pharmaceutical Fellowship program which offers jointly sponsored post-PharmD training opportunities in the areas of drug information, drug advertising and promotion, medication safety, regulatory policy, and regulatory science in partnership with academia and pharmaceutical industry. CDR Wagner enjoys providing presentations on drug-related topics and has contributed to several book chapters on drug information and FDA's regulatory authority.*

## ADDITIONAL PRECEPTORS

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### MEGAN (CUOMO) WALTER, PHARM.D.

*Division of Drug Information  
Center for Drug Evaluation and Research  
U.S. Food and Drug Administration*

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*Dr. Megan (Cuomo) Walter graduated from the University of North Carolina Eshelman School of Pharmacy where she received her Bachelor of Science and Doctor of Pharmacy degrees. Dr. Walter completed the Regulatory Pharmaceutical Fellowship in Drug Information with Purdue University, Janssen Scientific Affairs, and FDA. In July of 2020, Dr. Walter joined the Division of Drug Information after completing her fellowship. In her primary duties, she responds to drug information inquiries from consumers, pharmaceutical industry, and health care professionals. She is also an integral member of the Center's social media team. She also enjoys precepting and mentoring pharmacy students and fellows.*



### SARA ROACH, PHARM.D.

*Drug Information Specialist  
Division of Drug Information  
Center for Drug Evaluation and Research  
U.S. Food and Drug Administration*

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*Dr. Sara Roach received her Doctor of Pharmacy degree from Wingate University School of Pharmacy. Dr. Roach joined the FDA's Division of Drug Information (DDI) in March of 2020. In her primary duties, Dr. Roach provides timely, accurate, and useful information about human drugs to consumers, health care professionals, and industry. She is part of DDI's COVID-19 response team and manages complex inquiries from pharmacists and other stakeholders. She is also part of the REMS@FDA database team that updates and maintains FDA's public Risk Evaluation and Mitigation Strategy (REMS) Database. Dr. Roach enjoys precepting pharmacy students and mentoring new staff.*

## CURRENT FELLOWS

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### SAMUEL HWANG, PHARM.D.

*PGY1 Clinical Pharmacist Fellow in Drug Information  
Sponsors: Belmont University and Aegis Sciences Corporation*

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*Dr. Hwang completed his Doctor of Pharmacy degree (2022) at Albany College of Pharmacy and Health Sciences in Albany, NY. In pharmacy school, he served as vice-president of Multicultural Club and the founding chapter president of the Pediatric Pharmacy Association where he delegated tasks, as well as conducted community outreach to increase student participation and involvement. Dr. Hwang discovered his passion for drug information during his APPEs when he conducted literature searches and synthesized information to answer questions given by his preceptors.*

*Currently in his first year at Belmont University College of Pharmacy, Dr. Hwang is teaching in PHM6315 Biomedical Literature Evaluation for Pharmacy and regularly responds to drug information questions for the Christy Houston Foundation Drug Information Center while precepting P4 pharmacy students.*



### AUSTIN MONDLOCH, PHARM.D., BCMAS

*PGY2 Clinical Pharmacist Fellow in Drug Information  
Sponsors: Belmont University and Aegis Sciences Corporation*

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*Dr. Mondloch completed his undergraduate degree in Pharmaceutical Sciences (2018) and his Doctor of Pharmacy (2021) at Concordia University in Mequon, WI. He is also currently pursuing a degree in Master of Arts in Product Development through Concordia. In his first year of the fellowship, Dr. Mondloch taught PHM6315 Biomedical Literature Evaluation for Pharmacy and PHM6160 Introduction to Drug Information courses. In his second year, he is a lab instructor for PHM6100 Pharmaceutics 1. In addition, Dr. Mondloch regularly responds to drug information questions that Aegis Sciences corporation receives from their clients. He is working on various clinical and academia-based research projects.*

# GRADUATES

SPONSORS: BELMONT UNIVERSITY AND AEGIS SCIENCES CORPORATION



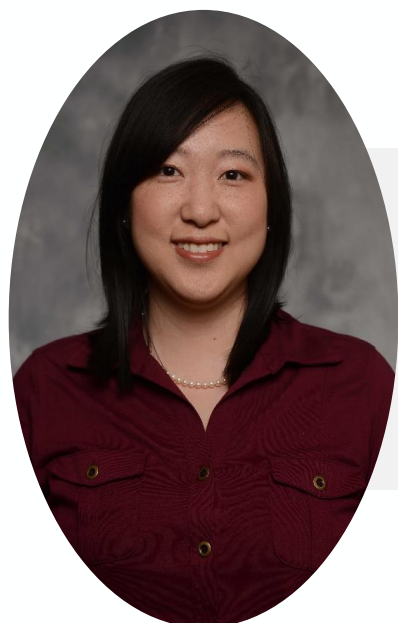
## CHELSEA DEANES, PHARM.D., BCMAS

*Medical Writer  
Evidera  
2020-2022 Fellow*



## JOHN N. MANENO, PHARM.D.

*Clinical Content Specialist  
Trulite Health Inc.  
2019-2021 Fellow*



## STEPHANIE MANLEY, PHARM.D.

*Assistant Professor of Pharmacy Practice  
University of the Pacific  
Thomas J. Long School of Pharmacy and Health Sciences  
2017-2019 Fellow*



## JENEVA GARLAND, PHARM.D., M.ED.

*Medical Writer, Center for Trauma and Acute Care Surgery  
HCA  
2017-2019 Fellow*



## KATE CLAUSSEN, PHARM.D., CAHIMS, BCMAS

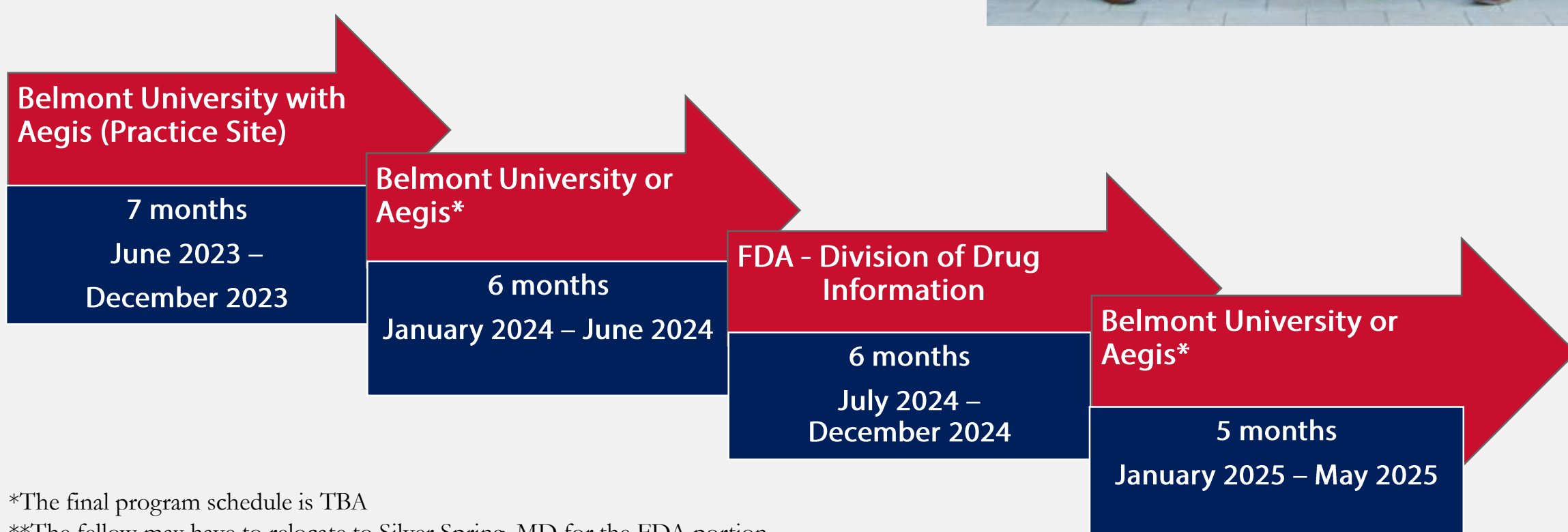
*HealthTrust Clinical Information Director, Pharmacy Services  
Belmont University College of Pharmacy/HealthTrust  
2015-2017 Fellow*



## PROGRAM OVERVIEW

The fellow will spend two years to develop and refine their drug information skills. The fellow will spend time at each site, rotating between Aegis Science Corporation, Belmont University, and the FDA.

- Fellows will be oriented to each site at the beginning of the rotation.
- Fellows may have the opportunity to present their research at local, regional, and national meetings including the Tennessee Society of Health-Systems Pharmacy (TSHP) annual meeting, AMCP Nexus, the Mid-South Regional Pharmacy Residents Conference, ASHP Midyear Clinical Meeting and the Lilly National Conferences.



\*The final program schedule is TBA

\*\*The fellow may have to relocate to Silver Spring, MD for the FDA portion

## ELIGIBILITY CRITERIA

- Graduated from an ACPE accredited college of pharmacy prior to the start of the fellowship term
- A citizen of the United States
- Excellent oral and written communication skills, with an emphasis in ethics and professionalism
- Eligible for pharmacist licensure in the state of Tennessee
- Belmont University seeks a person of Christian faith and commitment to the mission of the university
- Additional FDA Requirements:
  - Background and security clearances. [USAJOBS.gov](https://www.usajobs.gov) outlines the basic requirements for government employees.
  - Fellows will, at least, need to answer questions about where they have lived, worked, went to school, and any military history or police records.
  - Fellows will also need to have fingerprints taken if they have never worked for the Federal Government.





## APPLICATION PROCESS

Recruitment for the 2023–2025 fellowship years will begin in the Fall of 2022, with the new fellow starting June 2023. Preliminary interviews will be conducted virtually in November. A timeline is provided below:

- November 16, 2022, at midnight: Applications due
- November 21-22, 2022: Preliminary interviews (virtual)
- December 16, 2022: On-site interviews
  - On-site interviews will take place at Aegis Sciences Corporation and Belmont University College of Pharmacy in Nashville, TN

ALL application materials must be submitted online at [jobs.belmont.edu](https://jobs.belmont.edu) by midnight on November 16, 2022. Search “Clinical Pharmacist Fellow in Drug Information” at [jobs.belmont.edu](https://jobs.belmont.edu).

### INTERESTED APPLICANTS:

Contact: [clinicalpharmaegisfellows@gmail.com](mailto:clinicalpharmaegisfellows@gmail.com)  
Visit: [belmont.edu/pharmacy/academics/fellowships](https://belmont.edu/pharmacy/academics/fellowships)

Recognizing that the choice of a Post-Doctoral Industry Fellowship is an important decision, Belmont University in conjunction with the Academic Industry Fellowship Alliance (AIFA), has agreed to extend offers for Fellowships no earlier than December 7, 2022.

- The AIFA is comprised of Keck Graduate Institute (KGI) Massachusetts College of Pharmacy and Health Sciences (MCPHS), Northeastern University Pharmaceutical Industry Fellowships, Purdue University College of Pharmacy, Rutgers Institute for Pharmaceutical Industry Fellowships (RPIF), Saint Joseph’s University, University of North Carolina Division of Pharmacotherapy and Experimental Therapeutics (UNC, DEPT), and University of Southern California School of Pharmacy (USC School of Pharmacy).

We see this respect for candidate choice as a common aspect of each of our Program's cultures. We hope that other academic and non-academic Fellowship Programs will respect this timeline.

## FELLOWSHIP BENEFITS

- Competitive stipend
- Reimbursement for professional travel expenses
- Enrollment in a Teaching Certificate program
- Allowance for professional certification (e.g., BCMAS)
- Belmont University health benefits package
- Vacation and University holidays

## APPLICATION MATERIALS

1. Curriculum Vitae
2. Letter of Intent
3. Response to Belmont’s Aspirational Aim and Strategic Pathways
4. Contact information for three references including email and phone number
5. Official transcripts (electronic copies accepted; unofficial transcripts should be used as placeholders)



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