

# Recruiting for the 2026 to 2028 Cohort



Available position:

**Health Economics and  
Outcomes Research (HEOR)**



## A message from BioNTech's leadership

# Dear Prospective Fellows,

Thank you for expressing your interest in the BioNTech/Northeastern HEOR fellowship.

At BioNTech, we strive to improve the health of people worldwide with our fundamental research and our work in the area of immunotherapy development. We believe in scientific rigor, innovation and passion as driving forces, which was showcased through the Pfizer-BioNTech COVID-19 vaccine: the fastest vaccine development against a new pathogen in medical history. We are also making strides with our unique oncology portfolio consisting of three complementary therapeutic modalities: mRNA cancer immunotherapies, next-generation immunomodulators, and targeted therapies. At BioNTech, we are empowered by our culture, which drives the vision for our company strategy and creates a workplace where people can reach their full potential.

BioNTech hopes to recruit individuals who align with our company mission and develop future leaders for the pharmaceutical industry. Each fellow will be provided the proper guidance, resources, and mentorship for a unique and impactful experience that will expand their pharmaceutical industry opportunities.

The BioNTech/Northeastern HEOR fellowship is a two-year commitment during which the fellow will be fully integrated with the cross-functional environment (Medical Affairs, Market Access, Commercial, Biostatistics, Regulatory, Safety, Clinical Development and Clinical Operations) and work collaboratively to assess the value of our assets throughout their lifecycle. You will have the exciting opportunity to work on our oncology portfolio, while also personalizing your fellowship journey with different learning opportunities of HEOR. Fellows will be fully integrated members of the BioNTech team, in which we encourage your curiosity and celebrate your growth and future accomplishments.

Thank you once again for your consideration of the BioNTech/Northeastern HEOR fellowship. We look forward to the possibility of you being our fellow, and wish you the best of luck in this next path of your career.



Best Regards,

**Özlem Türeci**  
Chief Medical Officer

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## About BioNTech



## BioNTech Fellowship Program

## Northeastern University



## Application Information

# Company Overview

Biopharmaceutical New Technologies (BioNTech) is a global, next generation immunotherapy company pioneering novel, investigative therapies for cancer and other serious diseases. With a steadfast commitment to scientific rigor and operational excellence, BioNTech exploits a wide array of computational discovery and therapeutic modalities with the intent to rapidly develop novel biopharmaceuticals. The company's diversified portfolio aims to address the full continuum of cancer with oncology product candidates, including mRNA cancer immunotherapies, next-generation immunomodulators and targeted therapies such as antibody-drug conjugates (ADCs) and innovative chimeric antigen receptor (CAR) T cell therapies. Leveraging key capabilities in mRNA research and development, in-house manufacturing, immunology, deep genomics and AI, BioNTech and its collaborators are researching and developing multiple mRNA vaccine candidates for a range of infectious diseases alongside its diverse oncology pipeline.

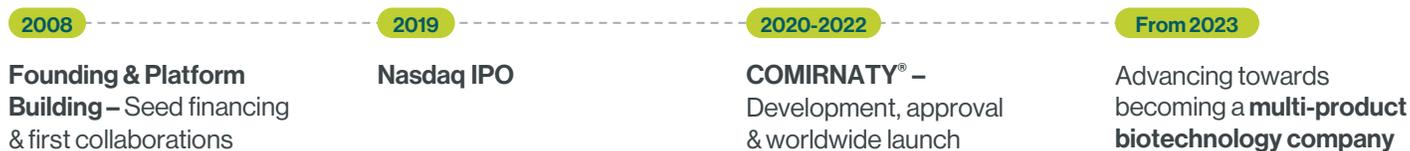
## Our Mission



At BioNTech, we are dedicated to improving the health of people worldwide by harnessing the full potential of the human immune system to develop drugs for diseases with high or unmet medical needs. In pursuit of our vision, we are focused on oncology and medicines against a range of infectious diseases. We aim to create long-term value for people and society by pioneering the next generation of immunotherapies and vaccines. With our key capabilities in immunology, deep genomics, and artificial intelligence, we believe we are well-positioned to do so.

BioNTech management board

## BioNTech's Journey



## Therapeutic areas & priority programs

### Oncology

From early-stage, resected cancers, where the disease carries a high risk of recurrence, to locally advanced / unresectable or metastatic cancers, our oncology strategy encompasses the entire spectrum of cancer.

#### Our therapeutic modalities

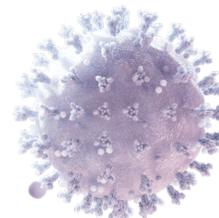
- ✓ mRNA cancer immunotherapies
- ✓ Next-generation immunomodulators
- ✓ Targeted therapies

### Infectious diseases

Leveraging our cutting-edge technology and expertise in immunology, we aim to develop innovative vaccines and therapeutics to overcome emerging and existing infectious diseases.

#### Our infectious disease programs

- ✓ COVID-19
- ✓ Tuberculosis
- ✓ HIV



## Pipeline

2

Pan-tumor priority programs

20+

Phase 2 and phase 3 clinical trials in oncology

€ 2.25 bn

Investment into R&D in 2024

# About Us

From our roots in Mainz, Germany, BioNTech SE has become a **global next-generation immunotherapy company** pioneering novel medicines with US offices located in Cambridge, MA, Berkeley Heights, NJ, and Gaithersburg, MD.



📍 Mainz, Germany

## U.S. headquarters



📍 Cambridge, MA



📍 Berkeley Heights, NJ



**Our Fellows will be exposed to various therapeutic areas throughout the BioNTech Fellowship curriculum.**

# Fellowship Team

## Program director



**George  
Joseph**  
**PhD, MS**

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VP, HEOR

George is Vice President of Health Economics and Outcomes Research at BioNTech. He has over two decades of experience in Health Economics, Outcomes Research and Value & Access. He has worked across government and industry (Global and US) roles and across several disease areas covering Oncology, Immunology, Gastroenterology, and Hepatology. Prior to joining BioNTech, George founded and built up the Health Economic Group for Bausch Health Company. He also started the PharmD fellowship program and acted as a preceptor at Bausch Health Company. George is a pharmacist by training and has a master's in pharmacy administration from the University of Georgia and a PhD in Health Services Research from the University of California, Los Angeles.

## HEOR preceptors



**Victoria  
Guan**  
**PharmD, MS**

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Sr Manager,  
HEOR

Victoria is Senior Manager of Health Economics and Outcomes Research at BioNTech. Victoria holds a PharmD from Northeastern University School of Pharmacy and an MS in Pharmacoeconomics from the University of Florida. Prior to BioNTech, she completed a post-doctoral fellowship in HEOR at Alnylam Pharmaceuticals.



**Aaron  
Samson**  
**PharmD, MS**

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Sr Manager,  
HEOR

Aaron is Senior Manager of Health Economics and Outcomes Research at BioNTech. Aaron received his PharmD from the Rutgers Ernest Mario School of Pharmacy in New Jersey (NJ) and completed his MS in Health, Outcomes, Policy, and Economics (HOPE) from the Rutgers School of Public Health.

# Fellowship Team



**Jonathan  
Salcedo**  
PhD, MA

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Director, HEOR

Jonathan is Director of Health Economics and Outcomes Research at BioNTech. He has experience within industry, consultancy, and academic environments including prior roles at Takeda Pharmaceuticals, Analysis Group, and MIT. Jonathan holds a PhD in Health Economics from the University of Southern California's Alfred E. Mann School of Pharmacy and Pharmaceutical Sciences and an MA in Economics from Duke University.



**Ankur  
Dashputre**  
PhD, MS

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Director, HEOR

Ankur is a Director in the Health Economics and Outcomes Research team at BioNTech. Ankur is a pharmacist by training (University of Mumbai, India) and has a PhD in Health Economics and Outcomes Research (HEOR) from the University of Tennessee Health Science Center (TN, US) and an MS in Pharmacy Administration from Duquesne University (PA, US).

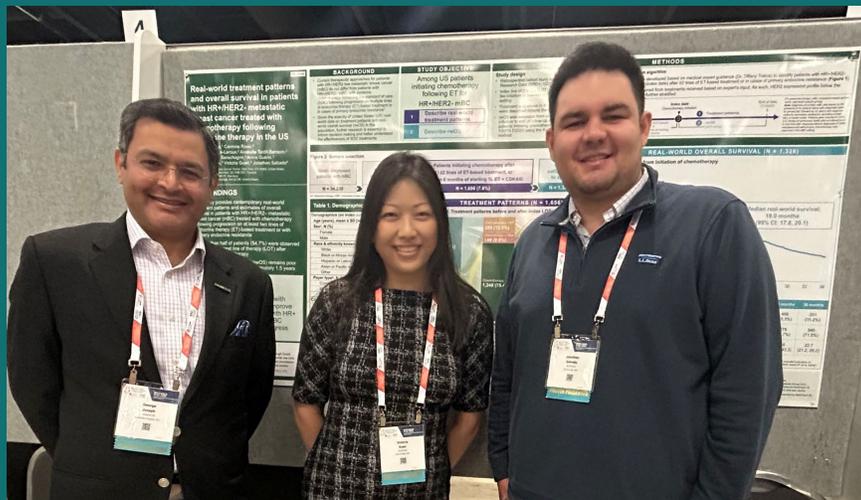


**Ashley  
Tabah**  
PhD, MPH

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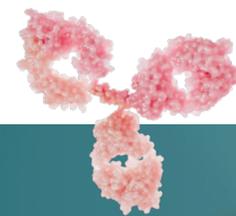
Associate  
Director, HEOR

Ashley is an Associate Director of Health Economics and Outcomes Research at BioNTech. She brings five years of pharmaceutical industry experience across Global Market Access and HEOR, and US HEOR, with prior roles at Celgene. Ashley earned her BSc from McGill University, her MSc from the Barcelona School of Economics, her MPH from Columbia University, and her PhD from the University of Washington.



# BioNTech HEOR Fellowship

## Two-Year Fellowship



### Overview

As healthcare faces significant financial challenges globally, pharmaceutical/biotechnology companies are working to holistically assess and communicate the value of their products to patients, physicians and payers. The two-year Health Economic & Outcomes Research (HEOR) Fellowship is designed to develop PharmD graduates with the goal of understanding the dynamic healthcare ecosystem through hands on experience.

Throughout the two-year program, the fellows will learn to identify the clinical, economic, and humanistic value drivers of BioNTech products. They will learn advanced techniques to quantify the value, communicate the findings in scientific congresses & peer reviewed publications, and compliantly engage stakeholders (US population health decision makers and/or HTA bodies) on the value of BioNTech's innovative products.

### BioNTech HEOR fellow will:

- + Work on products across the Oncology and Infectious disease therapeutic areas at BioNTech.
  - + Learn through hands-on experience and understand how global HEOR provides strategic inputs to address the specific value challenges for each individual therapy.
  - + Be fully integrated with the cross-functional environment (Medical Affairs, Market Access, Commercial, Biostatistics, Regulatory, Safety, Clinical Development and Clinical Operations) and work collaboratively to assess the value of the asset throughout its lifecycle.
  - + Co-author abstracts, presentations, and manuscripts to clinical conferences (e.g., ASCO/ESMO), health economic conferences (e.g., ISPOR/AMCP), and peer-reviewed journals.
  - + Support the initiation and implementation of HEOR activities including value and evidence generation plan (VEG-P), RFP/SOW/contracting, manage, operationalize, update publication plan and vendor interactions.
  - + Manage HEOR external facing materials development via company systems (e.g., Veeva Medcomms).
  - + Must work towards a Masters in Health Economics and Outcomes Research during the fellowship.
- + Support and learn to lead Global HEOR studies which span across the key scientific pillars of Health Economics including:
    - • **Patient-focused drug development** including patient-reported outcomes as key measures in clinical trials, Patient's Voice, and associated regulatory interactions;
    - • **Real-world evidence** generation and analysis to identify unmet needs and inform comparative effectiveness, global epidemiology (including race, ethnicity, age, sex) to support regulatory interactions and disease education & awareness;
    - • **Network meta-analysis:** indirect and mixed treatment comparisons (ITC/MTC);
    - • **Health economic models** (cost effectiveness analysis [global and country adaptations], country level cost minimalization model, and global & country adaptations of budget impact analysis), and target population tools (US intended use and ex-US target patient population);
    - • **Global HEOR launch activities**
      - In support of US launch – pre-approval information exchange (PIE) tools and post-approval value tools.
      - Early advice/health authority interactions and reimbursement dossier development.



# Northeastern University Pharmaceutical Industry Fellowships

## ABOUT OUR PROGRAM

### OVERVIEW

Northeastern University Pharmaceutical Industry Fellowships Program is a two-year experiential program designed to advance lifelong learning and the education and training of PharmD graduates. Critical to the success of the program is our ability to prepare fellows to meet the ongoing workforce needs in various areas of industry.

Our program provides fellows an opportunity to work with our innovative biopharmaceutical industry partners while collaborating with Northeastern University faculty in the areas of professional and career development, service, scholarship, and teaching.



### OUR MISSION

Our mission is to provide the highest quality training for future biopharmaceutical industry professionals by combining industry expertise with Northeastern University's renowned tradition of lifelong and experiential learning.

### CORE VALUES

- ☑ Innovation
- ☑ Lifelong Learning
- ☑ Social Impact Through Drug Development
- ☑ Quality Industry Pharmacy Training

### FOCUS AREAS

#### LEARN

Pursue graduate degrees or certificates in Regulatory Affairs, Business, Public Health, and more through tuition reimbursement.

#### TEACH

Teach pharmacy students in various small and large group classes. Earn a Teaching Certificate of achievement.

#### RESEARCH

Perform research with faculty and students. Present data at conferences. Publish your findings. Generate literature.

#### NETWORK

Boston has a lot to offer, both socially and professionally. Our program takes advantage of it all!

Thanks to the collaboration and dedication of our industry partners over the course of nearly 10 years, our program is now the 3rd largest industry fellowship program in the nation.

# OUR PROGRAM PILLARS

## TEACHING & SCHOLARSHIP

Teaching and Learning Seminar Series provides contextual activities and reflection on adult education and pedagogy outcomes.

## PROFESSIONAL & CAREER TRAINING

Professional Development and Career Training Series are customized to engage fellows in appropriate and professional conduct for success.

## SERVICE

Through their service on committees, fellows have an active connection within the community and program. This allows an opportunity to demonstrate leadership development and skills.



Northeastern University Pharmaceutical Industry Fellowships Program provides a dynamic academic environment offering fellows the opportunity for a wide breadth of experiences.



# PROGRAM OPPORTUNITIES

Develop teaching skills through participation in our Teaching and Learning Seminar Series

Utilize a layered learning model in experiential education by co-precepting students on pharmacy practice experiences including Northeastern's unique co-op program

Facilitate small and large group didactic education in partnership with a faculty mentor

Create, present, and publish scholarly research through collaborative industry and university relationships

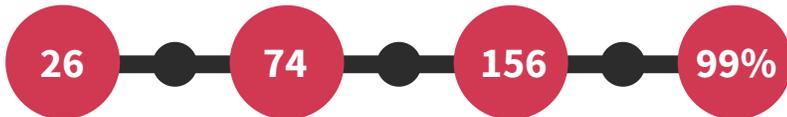
Engage with faculty who participate in various interdisciplinary graduate programs including biotechnology, nanomedicine, immunology, health informatics, and drug discovery

Network with local residents and other Northeastern fellows via professional development programs, teaching seminars, and participation on fellowship committees

# OUR PARTNER COMPANIES

SINCE 2015

Through these exciting partnerships, Northeastern fellows collaborate and learn from each other, further positioning them to be successful in both academic and industry settings. Fellows are empowered to shape their experience, as well as the future of the program, through leadership on the Professional Development & Networking and Recruitment committees.



26  
Industry Partnerships

74  
Active Fellows

156  
Fellowship Alumni

99%  
Employment in Industry within 90 days of Fellowship Completion



# OUR TEAM



**Andrew Orr-Skirvin**

Faculty Director



**Sherisse Mayala-Nelson**

Program Manager



**Sophia Sawtelle**

Senior Program Coordinator



**Karen Stanley**

Bouvé Director of Finance  
and Administration



**Julia Van**

Director of Corporate  
and Foundation Relations



**Milini Rambukwella**

Human Resources  
Associate



**Dayna D'Angelo**

Budget Coordinator



**Jenny Van Amburgh**

Clinical Professor  
Fellowship Faculty Manager



**Debra Copeland**

Clinical Professor  
Fellowship Faculty Manager



**Joseph Elijah**

Clinical Professor  
Fellowship Faculty Manager



**Michael Gonyeau**

Clinical Professor  
Fellowship Faculty Manager



**Jason Lancaster**

Clinical Professor  
Fellowship Faculty Manager



**Adam Wooley**

Clinical Professor  
Fellowship Faculty Manager

**CONNECT  
WITH US!**

 **Instagram**

@nufellowship

 **LinkedIn**

Northeastern Pharmaceutical  
Industry Fellowships

BOSTON, MA:

Northeastern University is in the heart of Boston, steps away from the famous Fenway Park and downtown Boston. Surrounded by top tier academic and research institutions, the area is home to pioneers of innovation who are committed to intellectual curiosity and scientific advancement. The greater Boston area is a cultural hub, offering world-class attractions and rich history.

NORTHEASTERN FELLOWS



# YEAR 1 FELLOWS



**Samantha Denson, PharmD**  
Abbott  
Global Medical Affairs



**Elizabeth Brown, PharmD**  
Alnylam  
North America Medical Affairs - Rare Disease



**Priscilla Ly, PharmD**  
Abbott  
Global Medical Affairs



**Rachel Phang, PharmD**  
Alnylam  
Global Medical Information



**Jonathan Le, PharmD**  
Alnylam  
US Medical Affairs



**Colin Galliano, PharmD**  
Alnylam  
Global Regulatory Affairs



**Rohan Kantesaria, PharmD**  
Alnylam  
Global Patient Safety  
and Risk Management



**Gail Mensah, PharmD**  
Alnylam  
Regulatory Affairs



**Jacob Molnar, PharmD**  
Alnylam  
Early Assets Global Medical  
Affairs



**Aidan ThongKham, PharmD**  
Apellis  
Global Medical Affairs



**Michelle Yu, PharmD**  
Alnylam  
Global Medical Communications  
and Publications



**Kiara Rubino, PharmD**  
Braeburn  
Medical Affairs

# YEAR 1 FELLOWS



**David Leung, PharmD**  
BridgeBio  
Regulatory Affairs



**Bryan Hoang Do, PharmD**  
IPSEN  
Commercial Marketing



**Ming Ye, PharmD**  
Chiesi  
North America Medical Affairs



**Samantha Zakhem, PharmD**  
IPSEN  
Commercial Marketing



**Chansonida Uk, PharmD**  
CSL Seqirus  
Medical Affairs



**Kaya Candido, PharmD**  
IPSEN  
Medical Affairs



**Jessica Kim, PharmD**  
GSK  
Global Medical Information



**Priya Patel, PharmD**  
IPSEN  
Medical Affairs



**Jeilyn Nunez, PharmD**  
IPSEN  
Commercial Marketing



**Annie Cheung, PharmD**  
Ironwood  
Medical Scientific Affairs



**Victoria Perez, PharmD**  
IPSEN  
Commercial Marketing



**Ugonna Okafor, PharmD**  
Ironwood  
Global Patient Safety

# YEAR 1 FELLOWS



**Jay Mehta, PharmD**  
Karyopharm Therapeutics  
Global Medical Affairs



**Sharon Fong, PharmD**  
Takeda  
US Medical Clinical Science



**Amanda Rhee, PharmD**  
Takeda  
Global Medical Affairs



**George Fahmy, PharmD**  
Praxis  
Medical Affairs



**Shanon McCarthy, PhD**  
Takeda  
Global Medical Affairs



**Alexander Fleschar, PharmD, MBA**  
Praxis  
Medical Affairs



**Natalie Biel, PhD**  
Takeda  
Marketed Products Development



**Terrance Stamps, PharmD**  
Praxis  
Medical Affairs



**Daphne Lin, PharmD**  
Takeda  
Clinical Science



**Allamar Moore, PharmD, RPh**  
Vertex  
Clinical Science



**Rama Shamieh, PharmD**  
Takeda  
Clinical Science



**Hana Hasan, PharmD**  
Vertex  
US Marketing

# YEAR 1 FELLOWS



**Sanika Welling, PharmD**  
Vertex  
Medical Affairs



**Pamela Diokpara, PharmD**  
Arvinas  
Global Medical Affairs



**Mia Romano, PharmD**  
Vertex  
Global Medical Affairs



**Autumn William, PharmD**  
Blueprint  
Global Regulatory Affairs



**Maxim Johnson, PharmD**  
Vertex  
Clinical and Quantitative  
Pharmacology



**Deev Patel, PharmD**  
Blueprint Medicines  
Global Medical Affairs



**Jacob Felderman, PharmD**  
Vertex  
Clinical and Quantitative  
Pharmacology



**Se Jin Park, PharmD**  
Vertex  
Global Regulatory Affairs



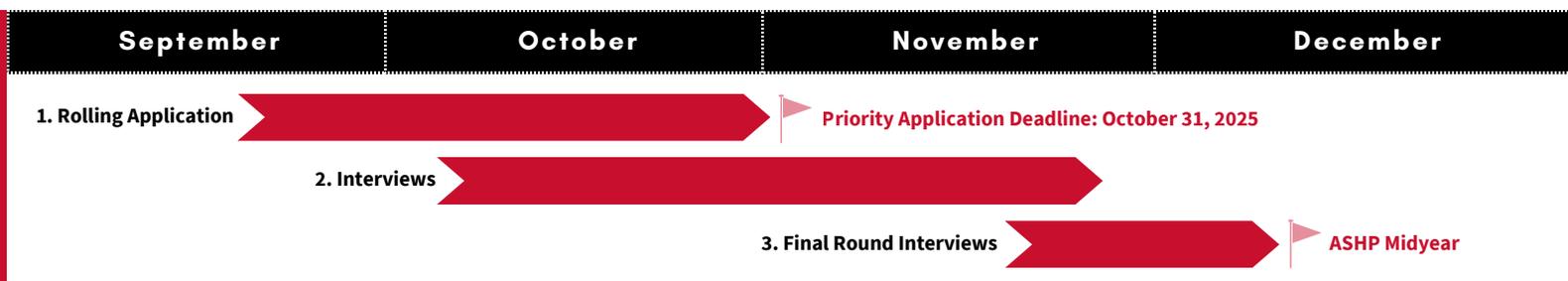
**Barbara Moukoulis, PharmD**  
Arvinas  
Global Medical Affairs



# Northeastern University Pharmaceutical Industry Fellowships

## APPLICATION REQUIREMENTS

Fellows are selected on a nationally competitive basis. Unless otherwise noted in the position description, candidates must have a Doctor of Pharmacy degree from an ACPE-accredited college of pharmacy by June 30, 2026. Candidates must apply through [Northeastern's career portal](#) and are encouraged to do so by the priority application deadline of October 31, 2025.



Step 1: Application	Step 2: Interviews	Step 3: Final Round Interviews & Offers
<ul style="list-style-type: none"> <li>Fellowship position postings go live on <b>September 15, 2025</b>. We will cross-post positions on ASHP's PPS website.</li> <li>Complete the application by <b>October 31, 2025</b>, for priority consideration for first-round interviews.</li> </ul>	<ul style="list-style-type: none"> <li>Phone screenings and initial interviews will be conducted with eligible candidates starting in early October into November.</li> <li>After the priority deadline, interviews will be conducted with both the sponsor company and Northeastern University.</li> </ul>	<ul style="list-style-type: none"> <li>Final round interviews will take place <b>virtually or in person</b> during ASHP Midyear in Las Vegas, NV. Visit <a href="http://midyear.ashp.org">midyear.ashp.org</a> for event details.</li> <li>Northeastern University, in conjunction with the Alliance of Industry Fellowship Associates (AIFA), has agreed to extend offers for fellowships no earlier than <b>December 12, 2025</b>.</li> </ul>

**Applications are reviewed on a rolling basis – apply early!**

#### Application Materials:

- Curriculum Vitae (CV)
- Unofficial PharmD Transcript
- Cover Letter

#### 3 Letters of Recommendation:

- Highly encouraged to submit by **October 31, 2025**
- Official Deadline: **November 21, 2025**
- Email: [PharmDFellowships@northeastern.edu](mailto:PharmDFellowships@northeastern.edu)
- Letter writers should submit **one letter per candidate and indicate the companies of interest in the subject** of the email

**ADDRESS YOUR COVER LETTER AND 3 LETTERS OF RECOMMENDATION TO:**

J. Andrew Orr-Skirvin, PharmD, BCOP  
Clinical Professor, School of Pharmacy  
Chair, Department of Pharmacy & Health System Sciences  
Director of Pharmaceutical Industry Fellowship Program  
360 Huntington Ave, 140TF R218  
Boston, MA 02115

**For more information and fellowship resources:**

Visit: [a27p.com](http://a27p.com)

Visit: [bouve.northeastern.edu/pharmacy/fellowships](http://bouve.northeastern.edu/pharmacy/fellowships)

Email: [PharmDfellowships@northeastern.edu](mailto:PharmDfellowships@northeastern.edu)

**Northeastern University will not provide HI-B, TN, O-1, E-3, or any other type of employment visa sponsorship for the successful applicant to this position, now or in the future. Furthermore, the successful applicant must be able to maintain valid work authorization in the United States throughout the entire appointment without Northeastern University's sponsorship for a visa.**