



TAKEDA POST-DOCTORAL FELLOWSHIP PROGRAM





# **OVERVIEW**

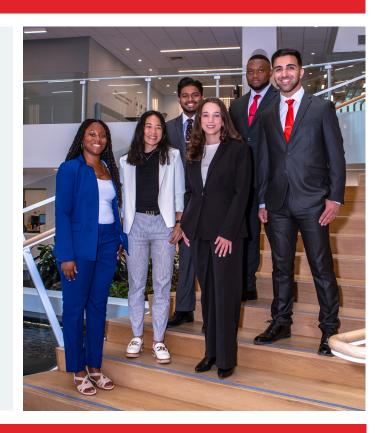
Through a collaborative partnership between Takeda and Northeastern University, we are pleased to offer post-doctoral fellowship opportunities for PharmD and PhD graduates. The majority of a fellow's time will be spent at Takeda's Cambridge, MA campus. The fellows will be employees of Northeastern University in Boston, Ma.

### **ABOUT TAKEDA**

Takeda is focused on creating better health for people and a brighter future for the world. We aim to discover and deliver life-transforming treatments in our core therapeutic and business areas, including gastrointestinal and inflammation, rare diseases, plasma-derived therapies, oncology, neuroscience and vaccines.

Together with our partners, we aim to improve the patient experience and advance a new frontier of treatment options through our dynamic and diverse pipeline. As a leading values-based, R&D-driven biopharmaceutical company headquartered in Japan, we are guided by our commitment to patients, our people and the planet.

Our employees in approximately 80 countries and regions are driven by our purpose and are grounded in the values that have defined us for more than two centuries. For more information, visit www.takeda.com.



### **VALUES: TAKEDA-ISM**

We are guided by our values of Takeda-ism, which incorporate Integrity, Fairness, Honesty and Perseverance, with Integrity at the core. They are brought to life through actions based on Patient-Trust-Reputation-Business, in that order. Together, they represent who we are and how we act, helping us make decisions we can be proud of today, and in the future.















# TAKEDA SNAPSHOT



**HEADQUARTERS**: Tokyo, Japan

GLOBAL HUB: Cambridge, MA USA

- Approximately 50,000 employees worldwide
- More than 18,000 US employees

### WHERE WE WORK



### **TOP EMPLOYER IN**

39 COUNTRIES 4 REGIONS

#### **PRESENCE IN**

APPROXIMATELY
80 COUNTRIES &
REGIONS

APPROXIMATELY
\$4.7<sub>BN</sub>
R&D INVESTMENT

### **OUR COMMITMENT TO PEOPLE**

Our belief in putting people first extends beyond patients. It includes their families, their communities, and our Takeda colleagues and their families. It is our passion for people that transforms our work into meaningful action.

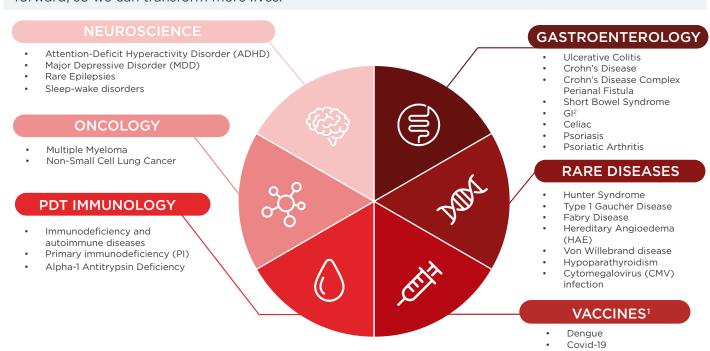
Takeda strives to nurture a workplace that is as diverse as the patients we serve; inclusive in our behaviors; and equitable in our actions.



● 30+

### 20+ conditions treated with our medicines and vaccines

At Takeda, we exist to create better health for people and a brighter future for the world. While the science and technology we advance are constantly evolving, our ambition remains. We move science forward, so we can transform more lives.



#### DISCLAIMER:

Disease areas and products mentioned in this brochure may not be available or under investigartion in all countries. Nothing contained herein should be considered a solicitation, promotion or advertisement for any prescription drugs including the ones under development.

<sup>&</sup>lt;sup>1</sup> Includes Partnerships and clinical program, see current Pipeline for details.

# **GLOBAL MEDICAL AFFAIRS**

### THREE POSITIONS RECRUITING

Fellows will learn the role of Global Medical Affairs, developing skills in the analysis, interpretation, and communication of clinical data while expanding their competencies in managing complex projects and working with global matrixed, multidisciplinary teams. Throughout both years of the fellowship program, mentorship opportunities and one on one interactions with Global Medical Affairs leaders will be available.

This infusion of education and hands-on opportunity to perform innovative work will enable PharmD and PhD graduates to build their talent, knowledge-base, and stimulate their passion. Ultimately, this experience has been designed to prepare postdoctoral scholars for rewarding careers in biopharmaceutical industry.

### THERAPEUTIC AREAS



GASTROINTESTINAL & INFLAMMATION



NEUROSCIENCE

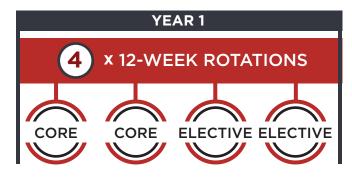


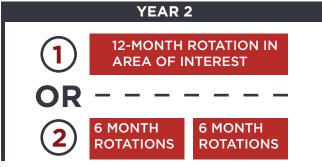
RARE DISEASES

### STRUCTURE

In the first year, fellows will complete four 3-month rotations including two core rotations and two electives rotations from a growing list of functions. Fellows will be integrated into typical daily workflows of each functional area while also participating in and potentially leading special projects and initiatives.

In the second year, fellows will select a focus area aligned to their interests and deepen their industry knowledge by owning and leading projects and initiatives. An additional opportunity in the second year is the option to rotate with the Global Medical Leads, focusing on implementation of the medical strategy.





# **GLOBAL MEDICAL AFFAIRS**

### **ROTATIONS-CORE**



GLOBAL MEDICAL COMMUNICATIONS (GMC)

GMC focuses on the development and execution of the strategic medical communications plans for Takeda GMA's global product portfolio, which includes development of core scientific content and congress strategy and execution. As part of commercial and medical material review, ensure scientific accuracy of medical and commercial materials.

**GLOBAL PUBLICATIONS** 

Global Publications develops the strategic publication plans aligned across regions and global activities to maximize the impact of Takeda-generated data from early development to launch including development of manuscripts, congress abstracts, posters and oral presentations.





# **GLOBAL MEDICAL AFFAIRS**

### **ROTATIONS-ELECTIVE**

GLOBAL MEDICAL EXCELLENCE AND SCIENTIFIC TRAINING (MEST)

MEST leads and collaborates on creating scientific and non - scientific training materials for all internal stakeholders including field medical teams. They also develop HCP engagement and insight generation tools and provide overall learning and development framework to empower medical personnel to be strategic partners to their end-customers.

#### **GLOBAL MEDICAL INFORMATION (GMI)**

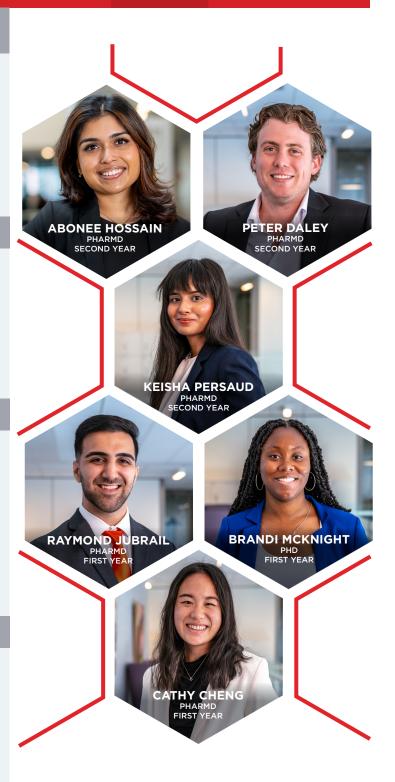
GMI ensures medical inquiries from healthcare providers and patients are handled quickly, correctly, and consistently anywhere in the world by providing strategic leadership and training to medical information call centers and developing standard response documents, FAQs and custom responses.

### **GLOBAL MEDICAL EVIDENCE (GME)**

GME develops the Integrated Evidence Generation plans, identifies data gaps and leverages study design expertise to implement innovative solutions and generate impactful evidence. GME combines therapeutic area and methodological expertise with operational excellence to drive the path from evidence concepts to implementation, simplify study management and ultimately advance our mission for patients.

### GLOBAL MEDICAL LEAD (GML) 2ND YEAR

The GML leads provide medical expertise and strategic oversight to all functions within medical affairs and spearhead product-level medical planning by creating and executing the overarching medical strategic imperatives. GMLs also lead KOL engagement, insight generation, and evidence generation.

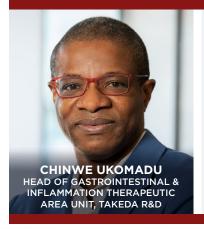


# **CLINICAL SCIENCES- R&D**

### TWO POSITIONS RECRUITING

Takeda Gastrointestinal & Inflammation Clinical Sciences is an industry leader in advancing science to help bring medicines to patients with gastrointestinal, inflammatory and liver diseases. Fellows will will have the opportunity to contribute to high-impact drug development programs from Phase 1 to Phase 3 clinical trials.

Fellows will learn the day-to-day role of Clinical Sciences on global matrixed teams by leading and contributing to the design, implementation, monitoring, analysis and reporting of clinical studies. The overarching program goal is to empower Fellows to be high achieving clinical leaders that bring transformational medicines to patients.



Our exciting pipeline in gastrointestinal and immunology serves as a catalyst to enable rewarding career development opportunities in drug development. Our Clinical Sciences Postdoctoral Fellowship Program provides an opportunity for talented, ambitious, collaborative and innovative individuals who are eager to help develop therapies in areas of unmet need. Come and join a great group of people and an amazing company where we always put patients first in everything we do.



### CLINICAL SCIENCES FELLOWSHIP STRUCTURE

In year one, fellows will have **rotational experiences** across various ongoing development programs in Clinical Sciences. Fellows may also **opt** to elect a **3-month rotational experience** in another functional area of interest. The integrative Clinical Sciences experience allows fellows to gain exposure while supporting typical daily workflows and potentially leading high impact projects. In year two, the fellow will be **fully immersed in one asset** in the Clinical Sciences team, along with the opportunity to work autonomously as a clinical scientist. The fellowship program goal is to provide fellows with **competitive skillsets for clinical sciences positions** and embolden fellows to be **high achieving clinical leaders** in their career.

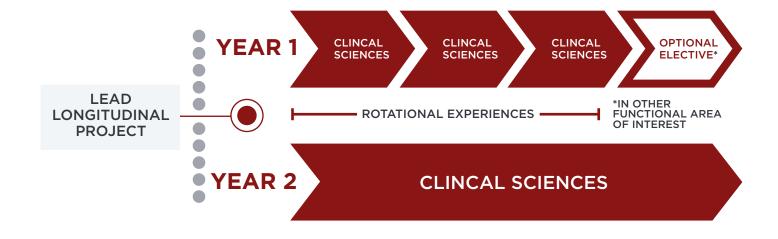




### **RESPONSIBILITIES MAY INCLUDE:**

- Oversee clinical study execution and planning
- Contribute to Clinical Sciences strategy
- Provide clinical and scientific subject matter expertise
- Writing of case reports, publications, and clinical study reports
- Attend conferences and engage the scientific community

- Protocol authoring and amendments
- Collaboration with Clinical Operations, Statistics, Regulatory, and other crossfunctional teams
- Medical monitoring of clinical data
- Engage with external partners such as Clinical Research Organizations (CROs) and Key Opinion Leaders (KOLs)

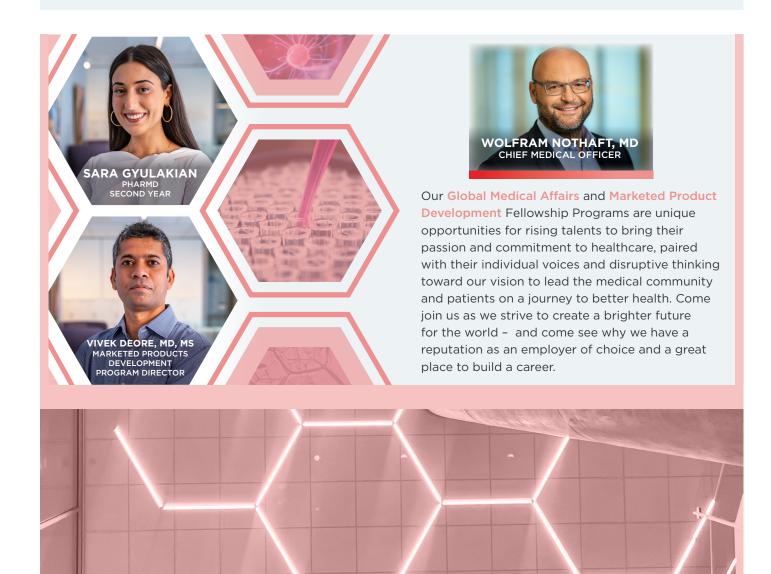


# MARKETED PRODUCTS DEVELOPMENT

### ONE POSITION RECRUITING

Takeda Marketed Products Development (MPD), part of the Global Medical organization, fulfills Takeda's commitment to patients for the life of our marketed products. This fellow will learn how the MPD fulfills marketing authorization holder obligations, by conducting scientific, clinical, regulatory, and safety activities to ensure a continued positive benefit/risk profile of all products in the MPD portfolio.

The MPD fellow will gain real-world experience working with cross-functional global teams and will gain skills in working with a Global Program Team on developing and executing product strategy including post-marketing clinical development, global regulatory post marketing safety requirements and commitments, and lifecycle management. The MPD fellow will also gain an understanding of how Takeda manages a patient crisis.



### MARKETED PRODUCTS DEVELOPMENT FELLOWSHIP STRUCTURE

In year one, the MPD fellow will complete rotations with the Center for Post Approval Safety Studies, Clinical Sciences, Global Program Management, leading projects, and initiatives.

In the second year, the fellow will select an area within the MPD to focus for a longitudinal rotation. Additionally, they will have the option to select a three-month rotation in in an area of interest in MPD to expand their industry knowledge. Throughout both years of the fellowship program, a mentor will be assigned to provide guidance as the fellow gain hands-on experience and learn how to apply their skills to a future career in the biopharmaceutical industry.





#### GLOBAL PROGRAM MANAGEMENT

Drive execution of product strategy, lifecycle management requirements, and GPT goals and budget

Ensure cross-functional alignment among MPD, GPT, and Product Support Team (PST) members

Deliver key program data

#### CENTER FOR POST-APPROVAL SAFETY STUDIES

Provides strategic leadership and expertise to enable the successful planning and execution of Post Approval Safety Studies (including Post Authorization Safety Studies and Post Marketing Suveillance Studies)

Collaborates with key cross-functional stakeholders and provides leadership to ensure that Post Approval Safety Studies are conducted with robust cross-functional oversight and processes to meet regulatory requirements and commitments

#### CLINICAL SCIENCES

Provides scientific & clinical expertise to support marketed product activities

Contribute to Global Product Team (GPT) strategies for geographic expansion and publications

# GLOBAL REGULATORY AFFAIRS - PLASMA DERIVED THERAPIES (PDT)

Plasma-derived therapies are **critical**, **life-saving medicines** that thousands of people with rare and complex diseases rely on every day around the world. The Plasma Derived Therapies Business Unit within Takeda focuses on reimagining plasma and going beyond incremental improvements to find a wide range of innovative and sustainable solutions to serve patients better. Our expertise, capabilities, and scale uniquely position us to transform plasma across our entire end-to-end operations and make a positively impact on people's lives.

The Global Regulatory Affairs two-year fellowship is designed to provide post-doctoral graduates with an in-depth understanding of regulatory affairs and drug development through rotations within the global regulatory strategy, labeling, and chemistry, manufacturing, and control functions.

In each rotation, fellows will receive mentorship, guidance, and have the opportunity to work with staff across various geographies and learn to navigate the **complex dynamics** and **team environment** at a truly global pharmaceutical company.





### **FELLOWSHIP OBJECTIVES**

- Develop regulatory strategy by using and interpreting regulations and guidelines
- Provide support to the life-cycle management activities pre- and postapproval for plasma-derived therapies, and gain an understanding of the principles of agency review processes
- Gain an understanding of early and late phase clinical development and gain expertise in the requirements of regulatory submissions to global health authorities
- Understand the various facets of global regulatory affairs, including labeling, regulatory intelligence and strategy, and chemistry manufacturing and controls (CMC)
- Participate in departmental initiatives for process improvements
- Strategically guide product labeling across entire product lifecycle



# FELLOWSHIP LEADERSHIP

The Takeda Postdoctoral Fellowship Leadership Team is comprised of many past fellows that work in partnership with preceptors to champion the fellowship experience. The fellowship adviors are additional mentors that provide support, guidance and background for the fellows to maximize their experience at Takeda.











# **FELLOWSHIP ALUMNI**

ISHANI PATEL, PHARMD GLOBAL PUBLICATIONS

ALEXANDRA IISLEY, PHARMD
TAKEDA GLOBAL MEDICAL COMMUNICATIONS

ROHAN ZAVARI, PHARMD
TAKEDA MEDICAL SCIENCE LIAISON

AILEEN LAM, PHARMD MEDICAL AFFAIRS TEVA

**NEIL PATEL, PHARMD**GLOBAL MEDICAL AFFAIRS GENMAB

MOHAMMED KHAN, PHARMD GLOBAL MEDICAL EVIDENCE GENERATION

CHRISTIAN RUFFIN, PHARMD MEDICAL AFFAIRS ALKERMES

HAJIN YANG, PHARMD MEDICAL AFFAIRS BAYER

VINI DHANKY, PHARMD MEDICAL AFFAIRS CHIESI USA

# WE WOULD LOVE TO MEET YOU

Thank you for your interest in the Takeda Postdoctoral Fellowship Program as you begin the next chapter of your professional journey. Each year, we set out to find the best and brightest to join our program with the goal of developing the next generation of pharmaceutical industry leaders. Through this program we have had the honor to mentor and learn from many incredibly talented profressionals. We look forward to continuing that legacy. We invite you to apply to our programs and are excited to meet you! On behalf of Takeda Global Medical Affairs, Marketed Product Development, Clinical Sciences, and Global Regulatory Affairs - PDT, we wish you much success, no matter where your path takes you.

SHAWN HEINEY, PHARM D
GLOBAL MEDICAL AFFAIRS PROGRAM DIRECTOR

ALEX PROKOPIENKO, PHARM D, PHD
CLINICAL SCIENCES PROGRAM DIRECTOR

VIVEK DEORE, MD, MS

MARKETED PRODUCT DEVELOPMENT PROGRAM DIRECTOR GLOBAL REGULATORY AFFAIRS - PDT PROGRAM DIRECTOR



LinkedIn www.linkedin.com/company/takeda-pharmaceuticals

Takeda Pharmaceutical Company Limited 500 Kendall Street, Cambridge MA 02142

www.takeda.com





Learn more about Takeda's history



### 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

- Social Impact Through Drug Development

### FOCUS AREAS

#### **LEARN**

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

#### RESEARCH

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

#### **TEACH**

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

#### **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 pedology outcomes.

#### PROFESSIONAL & CAREER TRAINING

Professional Development and Career Training Series is 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

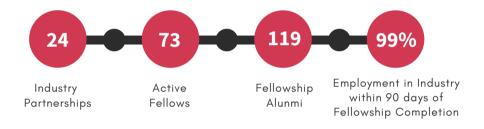
Network with local residents and other Northeastern fellows via professional development programs, teaching seminars, and participation on fellowship committees

# **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.













































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### **OUR TEAM**



**Andrew Orr-Skirvin Faculty Director** 



**Sherisse Mayala-Nelson** 

Program Manager



**Sophia Sawtelle** 

Senior Program Coordinator

## CONNECT WITH US!

O Instagram @nufellowship

in LinkedIn

Northeastern Pharmaceutical **Industry Fellowships** 



**Karen Stanley** Bouvé Director of Finance and Administration



Julia Van Director of Corporate and Foundation Relations



**Jenny Van Amburgh** 

Clinical Professor Fellowship Faculty Manager



**Debra Copeland** 

Clinical Professor Fellowship Faculty Manager



Milini Rambukwella

Human Resources Associate



Dayna D'Angelo

**Budget Coordinator** 



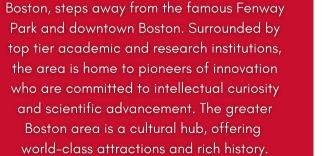
Joseph Elijah

Clinical Professor Fellowship Faculty Manager



**Michael Gonyeau** 

Clinical Professor Fellowship Faculty Manager



Northeastern University is in the heart of



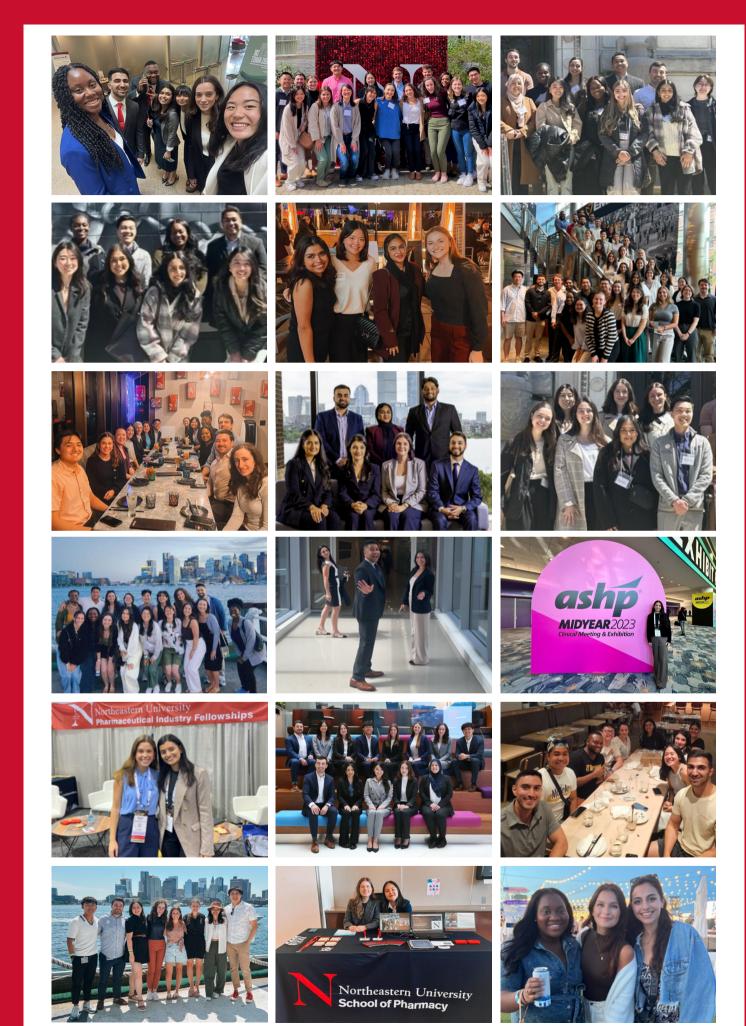
**Jason Lancaster** 

Clinical Professor Fellowship Faculty Manager



**Adam Wooley** 

Clinical Professor Fellowship Faculty Manager



# YEAR 1 FELLOWS



**Druti Shukla, PharmD, MHA** Abbott Global Medical Affairs



**Nathan Gruenke, PharmD** Alnylam Clinical Development



**Nicholas Saad, PharmD, RPh** Abbott Global Medical Affairs



**Pavlos Papamanolis, PharmD** Apellis Medical Affairs



Alice Fan, PharmD Alnylam Medical Communications and Publications



**Kaitlin Greco, PharmD** Arvinas Medical Affairs



**Eva Houser, PharmD** Alnylam US Medical Affairs



Yohanna Berhanu, PharmD BridgeBio Regulatory Affairs / Clinical Development



**Hina Patel, PharmD, RPh**Alnylam
Global Medical Information



**Jonathan Lu, PharmD** Chiesi North America Medical Affairs



Hirra Zaidi, PharmD Alnylam Global Patient Safety and Risk Management



**Thomas Senneff, PharmD, RPh**CSL Seqirus
Medical Affairs

## YEAR 1 FELLOWS



**Ali Al Juboori, PharmD, MBA** IPSEN Medical/Regulatory Affairs



Palmer McNally, PharmD
Sarepta
Global Scientific Communications



Alison Bechwati, PharmD IPSEN Commercial Rare Disease Operations and Marketing



**Abhishek Alagaratnam, PharmD, MS DRA** Takeda Global Regulatory Affairs



**Deborah Nikolla, PharmD, MPH**IPSEN
Epidemiology and
Real World Evidence



**Brandi McKnight, PhD** Takeda Global Medical Affairs



Nasim Malakoti Negad, PharmD IPSEN Commercial Oncology



Cathy Cheng, PharmD Takeda Global Medical Affairs



Mildred Asamoah, PharmD, MBS
Ironwood
Clinical Development /
Medical Scientific Affairs



**Kathryn DeStefano, PharmD** Takeda Clinical Science



Yasser Ibrahim, PharmD Ironwood Global Patient Safety / Regulatory Affairs



**Michael Nome, PharmD** Takeda Clinical Science

## YEAR 1 FELLOWS



**Raymond Jubrail, PharmD** Takeda Global Medical Affairs



**Michael McShan, PharmD** Vertex Global Regulatory Affairs



**Danielle Mauro, PharmD** Vertex Global Medical Affairs



**Naafiah Raidah, PharmD, MBA** Vertex Global Regulatory Affairs



**Eunice Lee, PharmD** Vertex Global Regulatory Affairs



**Olivia Laprade, PharmD** Vertex Clinical and Quantitative Pharmacology



**Julieta Rossi Fortunati, PharmD** Vertex Clinical Scientist



Ryan Ha, PharmD Vertex Clinical and Quantitative Pharmacology



Kailey Davies, PharmD Vertex North America Commercial – Marketing



Samin Malek Marzban, PharmD Vertex North America Commercial – Market Access



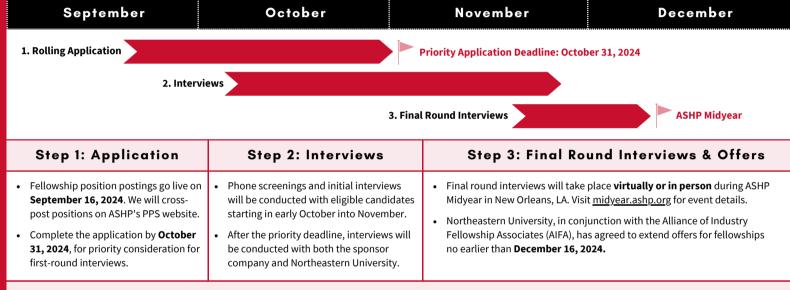
**Loren Sampson, PharmD, MBA** Vertex North America Commercial – Guidance and Patient Support



**Sarah Casella, PharmD** Vertex Global Medical Affairs

### 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, 2025. Candidates must apply through Northeastern's career portal and are encouraged to do so by the priority application deadline of October 31, 2024.



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, 2024
- Official Deadline: November 22, 2024
- Email: PharmDFellowships@northeastern.edu
- Letter writers should submit one letter per candidate and indicate the companies of interest in the subject or body 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: <u>a27p.com</u>

Visit: <u>bouve.northeastern.edu/pharmacy/fellowships</u> Email: <u>PharmDfellowships@northeastern.edu</u>