



Pharmacy Fellowship Program 2022-2024

Blueprint Medicines is a global precision therapy company striving to improve human health.

In partnership with Northeastern University, Blueprint Medicines is offering two-year PharmD fellowships in Marketing, Medical Affairs, and Regulatory Affairs.

Launch your industry career and gain real-world experience in the fast-paced world of a rapidly expanding small biotech.

OUR CORE VALUES



PATIENTS
FIRST



THOUGHTFULNESS



OPTIMISM



URGENCY



TRUST



Table of Contents

- About Blueprint Medicines.....pg 3-4
- PharmD Fellowship Program.....pg 5
- Fellowships
 - Marketing.....pg 6
 - Medical Affairs..... pg 7
 - Regulatory Affairs.....pg 8

For any questions, please email us at
PharmDFellowship@BlueprintMedicines.com

"Blueprint Medicines aims to deliver on the promise of precision medicine to improve and extend the lives of patients with cancer and rare diseases."

Precision therapies: a formidable tool, not yet fully realized

Medicines that target molecular drivers of disease are powerful tools in treating cancer and other disorders. However, early generations were limited by broad, non-selective activity, potentially causing suboptimal target inhibition, dose-limiting toxicities and the emergence of resistance.

A drive to take discovery further

Our founding scientists envisioned a new generation of highly selective medicines that could address traditional limitations of precision therapy, with the goal of overcoming treatment resistance and prolonging patient benefit.

Our proprietary research platform aggregates scientific tools and our leading expertise in precision medicine to enable the rapid and reproducible design of innovative targeted therapies.



**IMPROVED
POTENCY**



**MINIMAL
OFF-TARGET
EFFECTS**



**OPPORTUNITIES
FOR THERAPEUTIC
COMBINATIONS**



**INCREASED
PROBABILITY OF
CLINICAL SUCCESS**

We combine our proprietary compound library, world-class drug design capabilities and expertise in molecular targeting to propel a cycle of continuous innovation, helping us efficiently bring new medicines to fruition.

Our research focuses on drivers of disease where we believe our technology can meaningfully advance treatment:



DIFFICULT-TO-DRUG

Well-recognized kinases that are difficult to target with existing technologies



TREATMENT-RESISTANT

Mutant kinases that have become resistant to current treatments



NOVEL BIOLOGY

New targets identified with our computational and cell biology expertise

To learn more, find our publications and presentations at [BlueprintMedicines.com/science/the-lens](https://www.BlueprintMedicines.com/science/the-lens).

Transformative science, targeted medicines

We relentlessly focus on delivering transformative benefits, because we believe patients deserve more than incremental improvements. Today, we are delivering our approved medicines to patients in the United States and Europe, and we have built a broad pipeline of innovative precision therapies.

Genomically defined cancers

Alterations in genes can cause cells to evade normal growth controls and are implicated in a number of cancers, including:

- PDGFRA: gastrointestinal stromal tumor
- RET: non-small cell lung cancer, thyroid cancer and other solid tumors
- FGFR4: hepatocellular carcinoma
- EGFR: non-small cell lung cancer
- CDK2

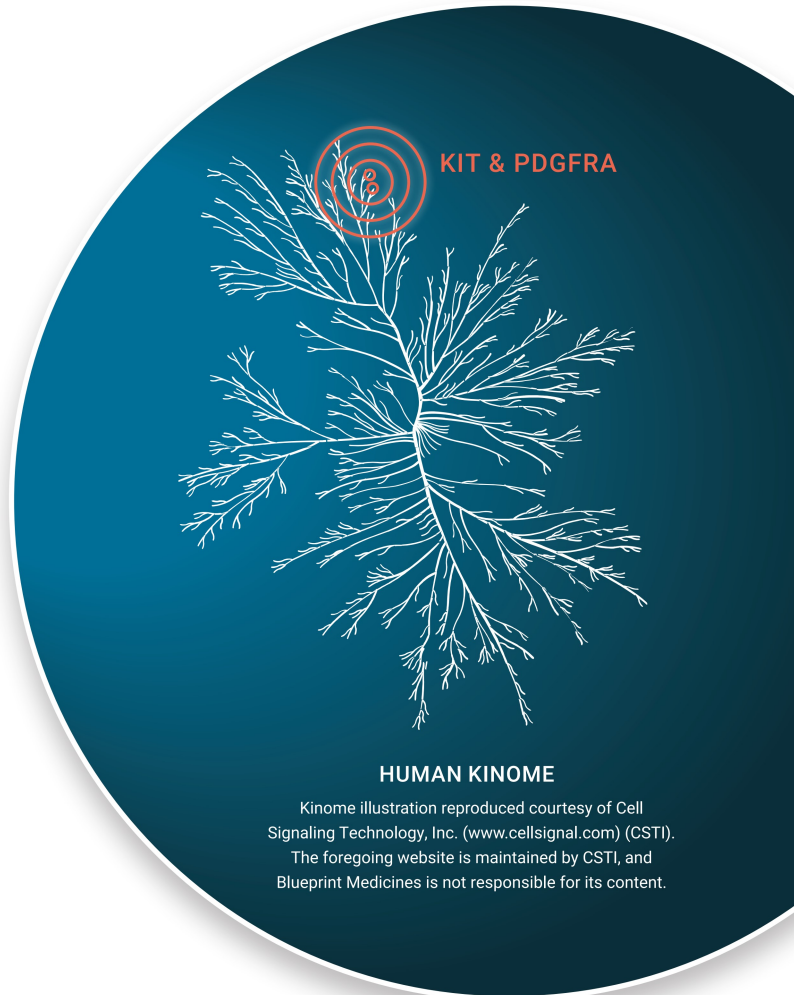
Hematologic disorders

Mutations in genes are also involved in certain rare diseases, including:

- KIT: systemic mastocytosis

Cancer immunotherapy

Immunokinases are intracellular proteins that regulate various aspects of immune response. Targeting immunokinases, including MAP4K1, may offer a new approach to cancer immunotherapy.



Clinical trials

Our current ongoing clinical trials span multiple diseases, including systemic mastocytosis and RET-altered cancers. For more information, visit BlueprintClinicalTrials.com.

Pharmacy Fellowship Program 2021-2023

In collaboration with Northeastern University, Blueprint Medicines is offering two-year Fellowship positions for Marketing, Medical Affairs, and Regulatory Affairs. The Fellowship Program at Blueprint Medicines is designed to offer PharmD graduates a jump-start in their industry career with hands-on experience in a biopharmaceutical company rapidly expanding and preparing for multiple launches.

One size does not fit all. Unlike other programs, our fellowship is designed with your interests and goals at the center. Fellows spend the first year in their primary department working with crossfunctional partners. During their second year, fellows complete a three month rotation in another department based on their interest and business needs.

Fellowship 2 Year Overview

Year 1

Year 1: Primary fellowship function, with rotations within the department

Year 2

Year 2: Build upon Year 1 experiences and complete a cross-functional rotation

A Note from Our Fellowship Director

"We are delighted to partner with Northeastern University for our inaugural fellowship program. As pharmacists, we are uniquely positioned to develop and excel across multiple functions in the biopharmaceutical industry.

It is an incredibly exciting time at Blueprint Medicines, where we are developing and commercializing precision therapies with the goal of transforming patient care. By joining our rapidly expanding biotech, you have the opportunity to make an immediate impact within the organization and become an integral part of our team. We believe our program will prepare fellows well as future leaders in the industry."



Ashley Doyle, PharmD
Regional Director, MSL

Fellowship Director

Bayer
Medical Affairs Fellow 2015

Commercial: Oncology and Rare Disease Marketing

The Oncology and Rare Disease Marketing Fellowship at Blueprint Medicines offers a unique opportunity to complement your PharmD training with hands-on commercial experience within a rapidly growing biotechnology company. The fellow will work directly on one of Blueprint Medicines' brand teams and engage in projects around marketing strategy, tactical execution, market analytics and insights generation, sales training and, patient services. In addition this fellow will collaborate on a daily basis with professionals across the organization including Sales, Market Analytics, Market Access, Medical Affairs, Regulatory Affairs, Clinical Development, and Patient Advocacy.

Key workstreams may include:

- Manage the development and execution of select branded and unbranded promotional materials
- Coordinate elements of marketing operations, including those related to the promotional material review, promotional material fulfillment, and field training for new material
- Assist in managing market research for message testing and to derive treatment landscape insights from key customer groups
- Summarize key insights from emerging clinical data in the oncology space to inform projects and initiatives within the commercial organization
- Assist in managing and directing advertising agencies and other marketing external vendors
- Develop and deliver presentations as needed to the marketing team and other internal groups
- Collaboration with internal and external partners across drug development and commercialization continuum

Meet the team



Tom Pickette, PharmD
Sr. Product Manager
AYVAKIT Marketing

Fellowship Preceptor

Western New England
University
School of Pharmacy



Jordan Fraker
Marketing Fellow
2021-2023

University of Maryland
School of Pharmacy
Baltimore, MD

Medical Affairs: Global Medical Affairs Fellowship

The Medical Affairs fellowship at Blueprint Medicines will offer an opportunity for you to develop a proficient understanding of Medical Affairs and its place in the biotechnology industry. Throughout the fellowship, you will engage in projects to develop a deep understanding of an assigned disease landscape, master product and competitor data, and gain valuable product launch experience. Our program is designed to expose you to multiple Medical departments, along with cross functional teams, and will include both Global and US focused projects/workstreams

As a first year fellow, you will choose three concentrations within Medical Affairs. As a second year fellow, you will have the opportunity to go deeper into one of those selected concentrations and spend the remainder of your fellowship in that department. In addition to this, you will be required to select a three month out-of-department rotation for a more balanced exposure to industry.

Key Medical Affairs concentrations may include:

- Medical Information:

Call center management, development of standard response letters, provide training to HQ/field based MA on new or updated scientific information, medical review for promotional materials

- Field Medical Affairs (Medical Science Liaison)

Scientific engagement with thought leaders, field territory planning, development of proactive + reactive resources to be used by field medical team, support of local and national congresses

- Scientific Communication

Publication planning, identify data gaps + new publication opportunities, build scientific platform/product lexicon

- Health Economics + Outcomes Research (HEOR)

Conduct real world evidence studies, observational studies, patient reported outcomes research, and cost effectiveness analyses

Meet the team



Sejal Faldu, PharmD
Assoc Dir. Med Info

Fellowship Preceptor

University of Connecticut
School of Pharmacy
Storrs, CT



Uyen Nguyen, PharmD
Medical Affairs Fellow
2020-2022

University of Maryland
School of Pharmacy
Baltimore, MD



Chris Valentino, PharmD
Medical Affairs Fellow
2021-2023

Northeastern University
School of Pharmacy
Boston, MA

Regulatory Affairs: Global Regulatory Affairs Fellowship

The Regulatory Affairs Fellowship at Blueprint Medicines offers a great opportunity to complement one's PharmD training with hands-on regulatory experience within a rapidly growing biotechnology company. The fellow will work with Blueprint Medicines' clinical development and commercial teams and engage in projects on initiating/supporting global clinical trials, preparing IND and NDA submissions to FDA, as well as MAAs to Health Authorities in international jurisdictions, life cycle management of Blueprint pre- and post-approval programs and labeling, advertising and promotional activities for approved products. In addition, they will collaborate on a daily basis with professionals across the organization including Commercial, Clinical Development, Manufacturing, Medical Affairs, and Preclinical Development. Given the breadth of Blueprint's product portfolio, this Fellowship is a unique opportunity for exposure to a broad set of regulatory experiences in a short period of time.

Key workstreams may include:

- Manage the development and execution of regulatory submissions for assigned projects
- Contribute to the development of regulatory strategy for life cycle management of Blueprint Medicines clinical programs
- Summarize key insights from FDA drug approvals, applying lessons to Blueprint Medicines clinical programs
- Collaboration with internal and external partners across drug development and commercialization continuum
- Contribute to activities in support of high-quality CMC regulatory documentation
- Develop and deliver presentations as needed to the regulatory team and other internal groups

Meet the team



Carla Brooks
Sr Director Regulatory Affairs
Promotional Review

Fellowship Preceptor

Johns Hopkins University
Masters in Biotechnology
Baltimore, MD



Tyra Smith
Global Regulatory Fellow
2021-2023

Hampton University
School of Pharmacy
Hampton, VA



We aim to make
real the promise
of precision medicine
to improve and extend
life for as many people
as possible.

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Northeastern University Pharmaceutical Industry Fellowships

Northeastern University is a global, experiential, research university built on a tradition of engagement with the world, creating a distinctive approach to education and research. At Northeastern, we encourage our students to become engaged, confident, and resourceful global citizens who realize their knowledge and actions have a far-reaching impact. Students ignite their passion for learning and are exposed to the endless possibilities around them through transformative experiential education.

The Northeastern University Fellowship Program provides a dynamic academic environment offering fellows the opportunity for a wide breadth of experiences:

- Develop teaching skills through participation in our Teaching and Learning Seminar series
- Facilitate small and large group didactic education in partnership with a faculty mentor
- Utilize a layered learning model in experiential education by co-precepting students on pharmacy practice experiences including Northeastern's unique co-op program
- 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



Michael Conley
Associate Clinical Professor
Fellow Manager



Jason Lancaster
Clinical Professor Fellow
Manager



Debra Copeland
Associate Clinical Professor
Fellow Manager



Sherisse Mayala-Nelson
Fellowship Program Manager



Mark Douglass
Associate Clinical Professor
Fellow Manager



Tayla Rose
Associate Clinical Professor
Fellow Manager



Michael Gonyeau
Clinical Professor
Fellow Manager



Andrew Orr-Skirvin
Clinical Professor
Fellowship Program Director

INDUSTRY PARTNERS OF THE NORTHEASTERN UNIVERSITY FELLOWSHIP PROGRAM



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.

Life in Boston

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.

