
# Pharmaceutical Industry Fellowship Program

2024-2025

RUTGERS
Institute for Pharmaceutical Industry Fellowships

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# About AstraZeneca

## Mission Statement

We want to transform healthcare, change the lives of billions of people for the better and address some of the biggest healthcare challenges facing humankind. Our ambition is to stop the progress of these often degenerative, debilitating, and life-threatening conditions, achieve remission, and one day cure them.

**Pascal Soriot**
CEO, AstraZeneca

## Our Purpose and Values

### We Follow the Science
I am curious and push the boundaries of science
I am creative in how I work with partners and collaborators

### We Put Patients First
I am proud to serve patients and consider them in every decision I take
I strive to understand patients' needs and act accordingly

### We Play To Win
I am determined to make the right choices to win
I build high-performing, inclusive and diverse teams

### We Do The Right Thing
I am accountable for my actions and the success of AZ
I speak my mind and make it safe for others to do so

### We Are Entrepreneurial
I am brave, resilient and take smart risks
I act with urgency and simplify the way work gets done

# Fellowship Campus Locations


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# A Message from our Executive Sponsors

**On behalf of AstraZeneca and the Ernest Mario School of Pharmacy at Rutgers, The State University of New Jersey,** we would like to thank you for your interest in our fellowship program. Our partnership with the Rutgers Institute for Pharmaceutical Industry Fellowships allows us to participate in the growth and development of the next generation of industry-based pharmacists.

As a global biopharmaceutical company, AstraZeneca provides innovative medicines for some of the world's most serious diseases. Pioneering new scientific ideas means never settling for second best and always being ready to challenge the status quo. That's why we look for people who share our thirst for knowledge, our love of innovation, and our ambitious approach to self-improvement. If that's you, why not discover everything that makes us a destination of choice for some of the brightest people in the global biopharmaceutical industry?

We value the talents and skills of our 84,000 employees in more than 100 countries. Our people strategy, which supports our strategic priority of being a great place to work is built around four key pillars: build and develop organizations and capabilities; develop a strong and diverse pipeline of leaders; drive a vibrant, high-performing culture; and generate a passion for people development. This means we emphasize effective leadership, the acquisition and retention of great talent, setting clear targets, open lines of communication, skill building, learning and development opportunities, and a healthy, safe and energizing workplace – within a performance culture in which diversity is valued and individual success depends solely on personal merit and performance.

Executive Sponsor

**Karen McCullough**
Vice President, Global Regulatory Affairs, ORSSE

Executive Sponsor

**Andrew Fariello**
Vice President, Global Medical Capabilities, Oncology Business Unit

Executive Sponsor

**Susan Shaffer**
Global Head of Medical Excellence & Ethics

Executive Sponsor

**Bruce Wilson**
Vice President, US Oncology Care & Access

# The Steering Committee

**“Your fellowship experience at AstraZeneca will yield a broad overview of key functions within the biopharmaceutical industry through real-world experiences and learnings.** You will have the opportunity to engage with dedicated professionals who are pushing the boundaries of science to deliver life-changing medicines. From all of us at AstraZeneca, we wish you much success and hope you strongly consider the AstraZeneca Fellowship Program as an investment in your personal career development and growth.”

***- The AZ Leadership team***

Fellowship Lead

**Pooja Gupta**
Medical Director
US Oncology, GI

Fellowship Lead

**Alex Schuster**
Associate Director, US Oncology Marketing

Fellowship Lead

**Karin Mueller**
Director,
Promotional Regulatory Affairs

Fellowship Lead

**Maggie Thomas**
Director, Global
Regulatory Affairs, ORSSE

# AstraZeneca Component

While at AstraZeneca, fellows will have opportunities to develop mentoring relationships with other pharmacists and fellowship alumni to learn more broadly about the organization/industry and gain career development input. The fellowship team also provides the chance to engage with senior leadership by hosting networking events and inviting fellows to present at career development programs. Fellows will participate and lead various activities via committees such as continuing education, alumni relations, student outreach, and candidate recruitment.

# Post-Doctoral Program Governance

## Executive Sponsors

**Karen McCullough**

**PhD**
Vice President, Global Regulatory Affairs, ORSSE

**Andrew Fariello**

**PharmD**
Vice President, Global Medical Capabilities, Oncology Business Unit

**Susan Shaffer**

**PharmD, MBA**
Global Head of Medical Excellence & Ethics, Biopharmaceuticals Medical

**Bruce Wilson**

**BS**
Vice President, US Oncology Care & Access

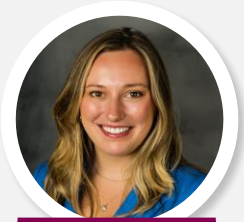
## Fellowship Directors

**Pooja Gupta**

**PharmD**
Medical Director, US Oncology

**Karin Mueller**

**PharmD, MBA**
Director, Promotional Regulatory Affairs

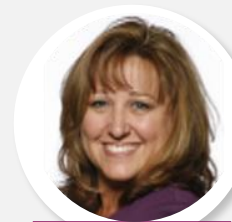


**Alex Schuster**

**PharmD**
Associate Director, US Oncology Marketing

**Maggie Thomas**

**PharmD, RAC**
Director, Global Regulatory Affairs, ORSSE



**Shannon Dodd**

**BA**
Project Management Consultant

# Meet the Fellows (2nd Year)

**Sonia Limaye**
US Marketing - ADC

**Tanay Maddula**
MI/MA - Breast Cancer

**Pamela Concepcion**
Global Patient Safety - Oncology

**Nicholas Carreon**
MI/MA - Respiratory

**Cecil Washington**
Global Regulatory Affairs, ORSSE

**Stephen Nagib**
US Marketing - IO Lung

**Ankur Patel**
Global Regulatory Labeling

# Meet the Fellows (1st Year)

**Kelsey Chaykowski**
Global Patient Safety - Oncology

**Alexis Hills**
MI/MA - IO Lung Cancer

**Angel Choe**
US Market Access - Oncology

**Dennis Lee**
MA - GU Cancer

**MaryKathryn McCann**
US HEOR

**Razina Pathan**
MI/MA Strategy - Respiratory Biologics

**Joseph Ryan**
US Promotional Regulatory Affairs

**Audrey Simon**
US Marketing - Hematology/Oncology

**Karen Wang**
MI/MA - Breast Cancer

**Stanley Tang**
Global Regulatory Affairs, ORSSE

# US Medical Affairs Strategy/ Medical Science Liaison, Chronic Kidney Disease, CVRM

Wilmington, DE

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**2024-2026 Fellowship**

## Overview

- The Fellow will serve as a member of the chronic kidney disease medical affairs team, working cross-functionally to deliver execution of medical strategy through both headquarters and field experience
- The Fellow will develop skills including the strategic execution of medical plans, optimal communication of data, and enhanced external communication to impact practice change
- The Fellow will gain experience working with multiple stakeholders to deliver tangible outcomes for patients, thereby preparing this individual for a successful career in the pharmaceutical industry

## Goal

To become a high-performing medical affairs expert with experience building, communicating, and executing medical strategy with a practice change mindset to focus on improving outcomes for patients

## Objectives

**During this two-year Medical Affairs fellowship, the Fellow will:**

- Gain experience working with field medical science liaisons with a particular focus on high quality scientific exchange and delivering on actions from key medical insights
- Gain experience with omnichannel engagement utilizing innovative medical content on novel platforms to reach a large and diverse medical community
- Participate in strategic planning, content development, stakeholder management, review, and execution of medical strategy and omnichannel approach to engage key external experts
- Help develop publication strategy and evidence gaps for lifecycle management of products (Real-World Evidence)
- Work with medical data analytics team to develop and deliver KPIs (key performance indicators) aligned with medical objectives
- Participate in planning and execution of medical advisory board(s)
- Assist with development and execution of congress and insight strategy
- Develop a relationship with a network of external scientific experts to deliver scientific discussion and other practice change initiatives
- Participate in medical strategy development and execution through cross-functional alignment & engagement with field medical, publication strategy, medical education, medical payer, health economics and outcomes teams as well as external partnerships
- Contribute to post-marketing medical activities and gain an understanding of life cycle management

# Medical Information/US Medical Affairs Strategy, Oncology – Breast

Gaithersburg, MD

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**2024-2026 Fellowship**

## Overview

- The Fellow will serve as a member of the Oncology Medical Information and Medical Affairs Team, working cross-functionally to deliver product and disease specific assets in line with current medical strategy
- The Fellow will provide input into the strategic medical plan
- The Fellow will develop skills including strategic execution of medical plans, optimal communication of data utilizing an omnichannel approach, and enhanced external engagement to impact practice change
- The Fellow will gain experience working with multiple cross-functional stakeholders to deliver tangible outcomes for patients, thereby preparing this individual for a successful career in the pharmaceutical industry as a valued medical expert

## Goal

To become a high-performing medical affairs professional with experience including launch excellence, scientific asset optimization, and an embedded practice change mindset that is focused on improving patient outcomes in Oncology

## Objectives

**During this two-year Medical Information/Medical Affairs fellowship, the Fellow will:**

- Gain a full working knowledge of medical information processes including experience with materials development for field medical use
- Enhance knowledge of promotional regulatory guidance and application for promotional materials
- Gain experience in pre-launch and congress activities, including collaborating with the US and Global Medical teams on medical strategy, data gap analysis, and evidence generation
- Develop a relationship with a network of external scientific experts to deliver disease state education
- Participate in medical strategy development and execution through cross-functional alignment & engagement with field medical, publication strategy, medical education, medical payer, health economics and outcomes teams as well as external partnerships
- Contribute to post-marketing medical activities and gain an understanding of life cycle management

# Medical Information/US Medical Affairs Strategy, Oncology – GI

Gaithersburg, MD

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**2024-2026 Fellowship**

## Overview

- The Fellow will serve as an active member of the GI Oncology Medical Information and US Medical Affairs Teams, working cross-functionally to deliver products and/or disease specific assets in line with the medical strategy focused predominantly on gastrointestinal cancers
- The Fellow will develop knowledge of how to deliver strategic execution of medical plans, optimal communication of data utilizing an omnichannel approach and enhanced external engagement to impact practice change
- The Fellow will learn skills such as influencing in matrixed teams, budget management and communication across audiences
- While working with cross-functional stakeholders, the Fellow will deliver tangible activities and materials to improve outcomes for patients and providers, thereby preparing this individual for a successful career in the pharmaceutical industry as a valued medical expert

## Goal

To become a high-performing medical affairs professional with broad experience including launch excellence, scientific asset optimization and an embedded practice change mindset that is focused on improving patient outcomes in Oncology

## Objectives

**During this two-year Medical Information/Medical Affairs fellowship , the Fellow will:**

- Gain full working knowledge of medical information processes including experience with materials development for proactive and reactive use
- Enhance knowledge of promotional regulatory guidance and application for promotional materials
- Gain experience in pre-launch activities including collaborating with the US and Global Medical teams on medical strategy, data gap analysis and evidence generation
- Develop relationships with a network of external GI scientific experts to deliver disease state education and other practice change initiatives, as well as to gain key insights on new clinical developments
- Gain experience working with field medical science liaisons with a particular focus on high quality scientific exchange and delivering on actions from key medical insights
- Gain experience with omnichannel engagement utilizing innovative medical content on novel platforms to reach a large and diverse medical HCP community
- Lead projects impacting medical strategy or internal/external communication
- Work with the real-world evidence team to guide retrospective clinical studies
- Attend a major oncology congress while working with the broader medical team to participate in insight gathering, expert interactions and sharing learnings from the congress

# Medical Information/US Medical Affairs Strategy, Respiratory Inhaled

Wilmington, DE

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**2024-2026 Fellowship**

## Overview

- The Fellow will serve as a member of the inhaled respiratory team, working cross-functionally to deliver products and disease specific assets in line with current medical strategy
- The Fellow will develop skills, including strategic execution of medical plans, optimal communication of data utilizing an omnichannel approach and enhanced external engagement to impact practice change
- The Fellow will gain experience working with multiple cross-functional stakeholders to deliver tangible outcomes for patients, thereby preparing this individual for a successful career in the pharmaceutical industry as a valued medical expert

## Goal

To become a high-performing medical affairs executive with experience including launch excellence, scientific asset optimization and an embedded practice change mindset that is truly focused on improving patient outcomes for chronic respiratory diseases

## Objectives

**During this two-year Medical Information/Medical Affairs fellowship, the Fellow will:**

- Gain full working knowledge of medical information processes including experience with material development for proactive use
- Enhance knowledge of promotional regulatory guidance and application for promotional materials
- Gain experience in pre-launch activities, including collaborating with the US and Global Medical teams on medical strategy, data gap analysis, and evidence generation
- Develop a relationship with a network of external scientific experts to deliver disease state education and other practice change initiatives
- Gain experience working with field medical science liaisons with a particular focus on high quality scientific exchange and delivering on actions from key medical insights
- Gain experience with omnichannel engagement utilizing innovative medical content on novel platforms to reach a large and diverse medical community

# US Medical Affairs/US Real-World Evidence

Wilmington, DE

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**2024-2026 Fellowship**

## Overview

- The Real-World Evidence (RWE) Fellow will be an integral member of the US Evidence team, a strategic function within US Medical, to facilitate generation and communication of RWE enabling Practice Change ambitions, from faster diagnosis of patients to optimal care management strategies
- The Fellow will develop a thorough understanding of the epidemiological research principles and its application in shaping public health policy
- The Fellow will understand how to develop compelling evidence that strengthens and builds on the value proposition of AZ products
- The Fellow will obtain foundational implementation science experience by contributing to studies designed to intervene upon and evaluate impact to address barriers of the adoption of clinical guidelines
- The Fellow will build strong communication strategy with a focus on translation of clinical and real-world data into meaningful insights and action

## Goal

To understand the strategic role of Evidence in improving Patient Outcomes through effective execution of Medical strategies, ultimately preparing the Fellow for a successful career in Medical Affairs

## Objectives

**During this two-year Medical Affairs/Real-World Evidence fellowship, the Fellow will:**

- Build knowledge of clinical disease management across the AstraZeneca BioPharmaceutical Business Unit (BBU) Portfolio
- Develop an in-depth understanding of the US healthcare setting, including relevant public health policies, reimbursement landscape, and patient-care ecosystem stakeholders
- Understand the roles and responsibilities of various functions within AstraZeneca Medical and Commercial Organizations to better support Evidence Initiatives
- Avail of formal training opportunities to develop epidemiology skills and health economics and outcomes research to support the commercialization of AstraZeneca's BBU products
- Assist in development of evidence generation strategy and tactics (e.g., retrospective database analyses, systematic literature reviews, economic models) to support evidence needs as determined by Medical Strategy
- Lead at least one real-world evidence or implementation science study to completion, including publication and translation of findings for field scientific engagement and/or adaptation into practice change at scale
- Assist with translation of studies into educational materials to be used by AstraZeneca medical science liaisons
- Collaborate with Implementation Science and Medical Informatics teams on Spatial Epidemiology projects
- Collate key field insights to prioritize the development and delivery of evidence-based solutions to address care gaps within practices/health systems
- Gain a strategic understanding of the planning process and execution of Medical plans through frequent engagement with key stakeholders (including US and global field & HQ medical and commercial leadership)

# Global Regulatory Affairs: Oncology Regulatory Science, Strategy, and Excellence

Gaithersburg, MD

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**2024-2026 Fellowship**

## Overview

- The Fellow will serve as a member of the Regulatory Strategy team, working directly in cross-functional product development teams to establish and execute Regulatory strategy across global markets
- The Fellow will develop capabilities in regulatory intelligence to evaluate key precedent and evolving trends in Regulatory Affairs to support cutting-edge Regulatory strategy across the oncology portfolio
- The fellowship will ensure foundational Regulatory capabilities and experiences are developed, while providing the opportunity to expand expertise with projects in additional areas of interest

## Goal

To become a high-performing Regulatory strategist with experience across stages of development, and modalities of treatment relevant to oncology in the US and global markets

## Objectives

**During this two-year Global Regulatory Affairs fellowship, the Fellow will:**

- Gain a thorough understanding of oncology Regulatory Affairs from strategy to implementation, through direct involvement in cross-functional product development teams
- Lead execution and coordinate defense of clinical trial submissions to important global regulatory agencies
- Participate directly in interactions with major global health authorities and contribute to Regulatory strategy for formal meetings
- Utilize AstraZeneca's robust pipeline to foster strategic experience across modalities of treatment (biologics, small molecules, and cell and gene therapies)
- Advance a cross-functional understanding of drug development through work in matrix teams and rotational opportunities with important stakeholder functions such as Global Labeling, Oncology Patient Safety, Global Medical Affairs, and others
- Join a marketing application submission team, contributing meaningfully to potential approval for a new product or therapeutic indication
- Engage in regulatory strategy discussions regarding evolving regulatory paradigms encompassing Oncology Drug Advisory Committee Meetings and evaluation of new health authority guidance, policies, and precedence

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# Global Regulatory Labeling

**2024-2026 Fellowship**

Gaithersburg, MD

## Overview

- The Fellow will execute the development of informative and competitive labeling to enable the safe and effective use of AstraZeneca products. Additionally, they will provide strategic excellence by utilizing robust and consistent labeling processes throughout the product lifecycle
- The Fellow will provide regulatory labeling expertise to the Global Regulatory Strategy Teams (GRST), Global Regulatory Execution Teams (GRET), and lead cross-functional Product Labeling Teams (PLT) in the development of high-quality labeling content
- The Fellow will have the opportunity to participate in a rotational experience in a functional area of their choice to further develop their pharmaceutical industry experience in the 2nd year of their fellowship

## Goal

To become a high performing Global Regulatory Labeling Strategist with experience in the development of Global and US labeling strategies in line with product regulatory strategies, gaining experience across development, life-cycle maintenance, and implementation of Core Product Information (CPI), United States Prescribing Information (USPI), European Union Quality Review of Documents (EU QRD), and associated patient labeling

## Objectives

**During this two-year Global Regulatory Labeling fellowship, the Fellow will:**

- Gain an understanding of the labeling development process, the end-to-end labeling lifecycle, and the role of the Global Labeling Strategist
- Become proficient in understanding and applying labeling-related regulations and guidances for the US and EU, and concepts related to the Core Data Sheet
- Build necessary competencies to effectively lead PLTs in the development and/or maintenance of high-quality CPI, EU QRDs, USPIs, Patient Package Inserts (PPIs), Medication Guides (MGs), and Instructions for Use (IFUs)
- Actively participate in all product-related and labeling function team meetings
- Build regulatory intelligence and analysis skills in support of labeling brand differentiation strategy
- Interact with colleagues from various departments to learn about the contributions of key stakeholder functions to labeling activities
- Develop competencies in leadership, negotiation skills, relationship and consensus building, critical information seeking, and multicultural awareness and sensitivity

# Global Patient Safety, Oncology

Gaithersburg, MD

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**2024-2026 Fellowship**

## Overview

- The Fellow will develop a thorough understanding of the global pharmacovigilance reporting requirements for both individual case safety reports and aggregate reports for pre- and post-marketed products
- The Fellow will gain exposure to interactions between global patient safety, as well as other R&D and non-R&D functions
- The Fellow will develop the ability to think strategically by applying the global pharmacovigilance and regulatory perspective while complying with health authority (HA) regulations and guidelines
- The Fellow will provide patient safety input to pivotal study documents (including Investigator's Brochure, clinical study protocols, and informed consent form)
- The Fellow will gain experience in the preparation of various regulatory documents (e.g., Periodic Safety Reports, Product Label Updates, Risk Management Plans, and Responses to HA requests)

## Goal

To become a high-performing Patient Safety strategist with experience across all stages of development and various modalities of treatment relevant to oncology in the US and global markets

## Objectives

**During this two-year Patient Safety fellowship, the Fellow will:**

- Gain an understanding on the foundation of pharmacovigilance activities and key roles for global patient safety colleagues
- Support the Global Safety Physician (GSP) and Safety Strategy and Management Team Lead (SSaMTL) on routine pharmacovigilance activities including signal detection, authoring of periodic reports and core safety documents, and safety strategy for early and late development products
- Develop the ability to reference and apply key pharmacovigilance guidelines in the production of core PV documents (GVP Guidelines, FDA's IND Rule, CTFG RSI Guidance, etc.)
- Lead pharmacovigilance activities for early development product(s)
- Lead safety contribution in coordination with the GSP for health authority interactions and/or submission activities
- Be offered rotational opportunities in other functional areas such as Chemistry Manufacturer and Control (CMC), Global Medical Affairs (GMA), Clinical Development, Global Regulatory Affairs and Global Labeling Group (GLG)

# US Marketing, DNA-Damage Response Franchise, Oncology

Gaithersburg, MD

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**2024-2026 Fellowship**

## Overview

- The Fellow will serve as a member of the DDR (DNA-Damage Response) -Oncology Marketing team, working in close partnership with core members of the brand team, cross-functional partners, Alliance Partners, and external agencies to deliver key projects and marketing tactics
- The Fellow will work with team members across multiple tumors (Ovarian, Breast, Prostate, Pancreatic) and functions to execute key commercial promotional initiatives which deliver on strategic needs and drive brand adoption
- The Fellow will develop core marketing fundamentals with the opportunity to gain exposure to various aspects of marketing including health care providers, Digital/Omnichannel, Consumer, and more

## Goal

Achieve a thorough understanding of both the clinical business (marketing & commercial) elements of U.S Oncology marketing on a brand with indications in multiple tumor types; ultimately, preparing the Fellow for a successful career in pharmaceutical marketing, commercialization and/or market access

## Objectives

**During this two-year DDR-Oncology Marketing fellowship, the Fellow will:**

- Think critically and strategically about the application of clinical data to tell a compelling brand narrative
- Contribute with tactical execution and associated project management in collaboration with cross-functional partners, including indication launch planning as appropriate
- Guide marketing materials and resources through the promotional review process with legal, medical, and regulatory partners across the Alliance
- Leverage market research learnings and competitive insights to help inform the development of key initiatives to support the brand strategy across tumor types and indications
- Manage commercial content development and planning for conventions in partnership with HCP Marketing Congress Lead and the broader Oncology Business Unit (OBU)
- Support delivery of key assets for Market Access partners
- Support tactical and budget planning for the marketing team focused on healthcare professionals, including interactions with the sales force, high-level and detailed operational plans, and agency management
- Contribute to strategic business planning

# US Marketing, Immuno-Oncology

Gaithersburg, MD

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**2024-2026 Fellowship**

## Overview

- The Fellow will join as a valued member of the US Immuno-Oncology Marketing team focusing on the Gastrointestinal (GI) Oncology disease space
- The Fellow will collaborate with cross-functional partners and external agencies to successfully drive effective marketing tactics
- The Fellow will gain experience across various areas: Health Care Provider (HCP) Marketing, Digital/Omnichannel Marketing, Conventions and Peer-to-Peer initiatives
- This fellowship provides an opportunity to contribute to the launch preparation of a new indication, developing the Fellow's core marketing capabilities
- It aims to equip the Fellow with the essential skills and knowledge required for a thriving career as a proficient marketer in the pharmaceutical industry

## Goal

To become a skilled marketer in the pharmaceutical industry, equipped with hands-on experience driving effective marketing plans and tactics, ultimately serving to improve patient outcomes in GI Oncology.

## Objectives

**During this two-year Oncology Marketing fellowship, the Fellow will:**

- Gain foundational knowledge of the following through direct immersion: 1) AstraZeneca's growing GI Oncology portfolio and marketing objectives, and 2) the approach and process to HCP marketing during an indication launch
- Collaborate with cross-functional partners and external agencies to take the lead in developing HCP marketing assets
- Guide these assets through the rigorous medical, legal, and regulatory review process, ultimately ensuring successful implementation
- Work closely with Peer to Peer and Congress Leads to drive impactful content development and support convention planning
- Contribute as a key member of a launch preparation team, and collaborate with colleagues from Medical, Insights, Training, and Field Sales to effectively prepare for a launch
- Contribute to the annual brand, budget, and launch planning process

# Global Oncology Market Access & Pricing (OMAP)

Gaithersburg, MD

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**2024-2026 Fellowship**

## Overview

- The Fellow will sit within the global OMAP function, working alongside team members and cross-functional colleagues across prioritized tumors
- The Fellow will work on several HEPE projects from early development, through planning, choice of vendor (if applicable), analyses, data interpretation, and dissemination
- The Fellow will learn how OMAP drives price & access strategy globally and ensures the appropriate evidence is generated to support reimbursement submissions
- The Fellow will gain exposure to interactions between the Global OMAP, Commercial, Medical, and R&D functions
- The fellowship will ensure foundational HEPE capabilities and experiences are developed, while providing the opportunity to expand expertise with projects in additional areas of interest
- The fellowship will provide exposure to the challenges of incorporating payer requirements into study design in parallel with clinical, medical, and regulatory needs
- The Fellow will get mentorship from industry experts in health economics

## Goal

To become a high-performing Health Economics & Payer Evidence (HEPE) leader with skills and capabilities to generate evidence to support reimbursement submissions globally

## Objectives

**During this two-year Oncology Market Access & Pricing fellowship, the Fellow will:**

- Gain an understanding of how HEPE supports the global price & reimbursement submissions / negotiations of AZ products through the conduct of evidence-generation activities and communication of value propositions to internal and external stakeholders
- Work closely with a cross-functional team to develop strategies for what HEPE activities and deliverables are required to support price & access objectives
- Contribute to the generation of scientific evidence used by payer decision-makers
- Lead cross-functional projects used to support reimbursement submissions with internal stakeholders in key countries
- Develop skills in health economic modelling and other comparative effectiveness research methods (e.g., indirect treatment comparisons, clinical trial design, statistics, and real-world evidence)
- Develop an in-depth understanding of health technology assessment methods and processes, and how these vary across different countries


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# Past Fellows

**Daniel Streng**

**Current Position at AZ**
Senior Marketing Manager, Oncology
**Fellowship Year**
2021-2023
**Fellowship Position**
Marketing/Patient Advocacy

"The AZ/RPIF program provided me the opportunity to spend time in multiple functional areas where I gained valuable experience and developed a wide range of skills. My preceptors went above and beyond to drive my professional development and career growth. This program provided me with the opportunities and resources necessary to launch a successful career in the pharmaceutical industry, and for that, I am incredibly grateful."

**Dan Simmons**

**Current Position at AZ**
Asset Lead, Oncology Outcomes Research
**Fellowship Year**
2018-2020
**Fellowship Position**
US HEOR

"The RPIF program provided me practical hands-on learning in health economics and outcomes research complimented with strong professional development and outstanding mentoring from a dedicated preceptor. My fellowship experience at AstraZeneca served as the foundation on which I built my career."

**Kara Glover**

**Current Position at AZ**
Associate Medical Director, Oncology
**Fellowship Year**
2020-2022
**Fellowship Position**
Medical Information/Medical Affairs

"The RPIF program has accelerated my learning experience by providing me with hands-on training in medical affairs, mentoring from various industry professionals, outpouring support, and friendships built to last. I would not be where I am today without the fellowship program, and I highly recommend to all of those who are looking to get a head-start in the pharmaceutical industry."

**Rija Saleem**

**Current Position at AZ**
Senior Medical Information Manager
**Fellowship Year**
2020-2022
**Fellowship Position**
Medical Information/Medical Affairs

"The AZ/RPIF program has provided me with all the tools needed to succeed as a professional in this industry. I have had the privilege of learning from the most supportive preceptors and mentors, and I am so grateful for this incredible experience."

# Alumni*

## 2023

**Morine Abdelmeseh**
Promotional Regulatory Affairs
**Sheena Dupuy**
Medical Information/Medical Affairs
**Stefan Eapen**
Medical Information/Medical Affairs
**Carl Lowe**
Medical Information/Medical Affairs
**Ananya Murali**
Global Regulatory Affairs
**Zulikhat Segunmaru**
US Health Economics Outcomes Research
**Daniel Streng**
Marketing/Patient Advocacy

## 2022

**Madelaine Ambrose**
US Marketing
**Jon Apple**
US Health Economics Outcomes Research
**Amanda Cline**
Medical Information/Medical Affairs
**AJ Corry**
Global Patient Safety
**Kara Glover**
Medical Information/Medical Affairs
**Stacy Ndubuizu**
Global Labeling Strategy
**Mivielis Rivera**
Medical Information/Medical Affairs
**Sheri Saka**
Global Regulatory Affairs
**Rija Saleem**
Medical Information/Medical Affairs

## 2021

**Maghan Ballantyne**
Medical Information/Medical Affairs
**Kevin Huang**
Medical Information/Medical Affairs
**Joyce Lo**
Medical Information/Medical Affairs
**Alexandra Schuster**
US Marketing

## 2020

**Jason Chen**
Global Patient Safety
**Kyran Jones**
Medical Information/Medical Affairs
**Shannon Morrow**
Medical Information/Medical Affairs
**Daniel Simmons**
US Health Economics Outcomes Research
**Parvathy Varma**
Global Labeling Strategy
**Megan Wang**
Clinical Development
**Sophia Wang**
Global Regulatory Affairs

## 2019

**Alexis Stinson**
US Marketing
**Victoria Quang**
Global Labeling Strategy

## 2018

**Corey Fang**
Medical Operations and Patient Safety
**William McAdoo**
Global Patient Safety
**Daniel Seniuk**
Medical Information/Medical Affairs
**Daniel Shu**
Global Regulatory Affairs

## 2017

**Devin Enhoffer**
Medical Information/Medical Affairs
**Melissa Pavilack**
US Health Economics Outcomes Research

*Includes alumni currently employed with AstraZeneca as well as non-AstraZeneca employees

RUTGERS
Ernest Mario School of Pharmacy

Soaring Ever Higher
Pharmaceutical Industry Fellowship Program

# Rutgers Pharmaceutical Industry Fellowship Program

## Ernest Mario School of Pharmacy
## Rutgers, The State University of New Jersey


Joseph A. Barone, Pharm.D., F.C.C.P.
Dean and Professor II
Ernest Mario School of Pharmacy
Rutgers University

Carolyn Seyss, Pharm.D., RUCIF
Fellowship Director
Institute for Pharmaceutical Industry Fellowships
Ernest Mario School of Pharmacy

Michael Toscani, Pharm.D.
Research Professor,
Fellowship Director Emeritus
Institute for Pharmaceutical Industry Fellowships


**Program History**

In 1984, at Rutgers, The State University of New Jersey, the Ernest Mario School of Pharmacy and two pharmaceutical companies began a first-of-its-kind collaborative pilot program to evaluate the potential contributions of clinically-trained pharmacists within a pharmaceutical industry practice setting. Following the successful pilot, the Rutgers Pharmaceutical Industry Fellowship (RPIF) Program grew significantly and expanded to include 27 companies within the pharmaceutical and biopharmaceutical industry and approximately 350 Fellows.

In 2002, Dr. Ernest Mario generously provided an endowment to establish the ***Institute for Pharmaceutical Industry Fellowships*** to enhance and promote the role of pharmacists in industry through the RPIF Program. The Institute staff members:

- provide leadership and administrative support
- promote quality, communication, scholarly activity, and professional development
- arrange specialized Fellowship training opportunities within the pharmaceutical and biopharmaceutical industry.

In 2018, our Program expanded to offer interdisciplinary Fellows' training by adding select physician Fellowship opportunities to our well-established program.

The RPIF Program has thrived under the leadership of the founder, Dr. Joseph A. Barone, Dean and Professor II of the Ernest Mario School of Pharmacy, Dr. Carolyn Seyss, the Director for the Institute for Pharmaceutical Industry Fellowships, and Dr. Michael Toscani as the Director Emeritus.

The RPIF Program Certificate is now associated with special credentials so our alumni can now proudly identify themselves as **RUCIF (Rutgers University Certified Industry Fellow)**. Well over 1,500 Post-Doctoral Fellows have completed the RPIF Program, most of whom are experiencing influential and rewarding careers in the pharmaceutical and biopharmaceutical industry throughout the US and abroad. The RPIF Program has Preceptors and Mentors from industry who share their knowledge and experiences with the Fellows through an intense but closely-guided training program. Assignments and projects are challenging, meaningful, and designed to enhance understanding of the pharmaceutical and biopharmaceutical industry and the Fellow's functional area(s). Our goal is to provide the environment for Fellows to build the foundations to fuel their careers as future leaders in the industry.

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**@RutgersFellow**

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## Professional Development Series

All Fellows gather once monthly as a group to participate in the Professional Development Day (PDD) series, an important component of their training that complements the hands-on experience provided at the partner companies. The PDDs are steered by a committee of Fellows and are designed to enhance the Fellows' leadership skills such as emotional intelligence, communication, critical decision making, and presentation skills. Fellows develop skill sets under the guidance of external trainers and accomplished RPIF alumni. PDDs also provide general knowledge about various aspects of drug development/commercialization and issues facing the pharmaceutical and biopharmaceutical industry, and promote connectivity and a sense of community among Fellows and alumni from different companies and disciplines.

The Fellows can learn from each other through individual and group presentations on topics and issues related to the pharmaceutical and biopharmaceutical industry. The dynamic forum of PDD provides an opportunity for open discussion and debate among Fellows, Rutgers faculty, and company Preceptors. In addition, outside experts provide training and professional development in a variety of areas (e.g., tools for corporate success, professional writing, presentations, meeting facilitation, negotiating, influencing, networking, conflict resolution, giving and receiving feedback, and business etiquette). Other PDD guest speakers include senior industry executives, including our successful RPIF Program alumni, who share their career paths, insights, and experiences. Importantly, PDDs provide an excellent opportunity for Fellows to interact with each other and develop lasting personal friendships and a strong professional network of Fellows, faculty, alumni, and other industry executives.

## Key Program Features

The Rutgers Pharmaceutical Industry Fellowship Program **FOSTER**s the growth and development of future pharmaceutical and biopharmaceutical industry professionals and leaders through key program features:

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| **F** | **Family of Leading Companies** – Partners include several of the top global pharmaceutical and biopharmaceutical companies and offer large to small company environments. |
| **O** | **Outstanding Alumni Track Record** – Well over 1,500 alumni hold prominent positions at many leading companies, including VP and C-suite levels. |
| **S** | **Strong Network** — Fellows develop valuable, lasting connections with each other, alumni, Preceptors, and Rutgers EMSOP faculty. |
| **T** | **Trusted and Proven Since 1984** — the Rutgers Fellowship Program is nationally recognized, trusted, and proven as the key pathway to industry for pharmacists as future leaders. |
| **E** | **Enhanced Career Development** – Breadth of experiences informs career path choices, increasingly challenging assignments build depth of experience, and visibility creates opportunities - enhancing the potential for accelerated career paths. |
| **R** | **Rigorous Academic Component** – Rutgers affiliation provides academic and professional development opportunities. |

Rutgers, The State University of New Jersey, with over 67,000 students in its three campuses, is one of the major state university systems in the United States. The New Jersey College of Pharmacy was founded in 1892 and was incorporated into the University in 1927. The Ernest Mario School of Pharmacy (EMSOP) is part of Rutgers Biomedical and Health Sciences (RBHS), the only state school of pharmacy in New Jersey, with approximately 1,350 students in its Doctor of Pharmacy degree program. The Rutgers EMSOP is located on the University's main science and technology campus in Piscataway, New Jersey. Because of its relationship with and close proximity to most of the nation's leading pharmaceutical and biopharmaceutical companies, the EMSOP and the RPIF Program are uniquely capable of providing Fellows with advanced training in the pharmaceutical and biopharmaceutical industry.

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# Soaring Ever Higher
## Pharmaceutical Industry Fellowship Program

**Application Process and Eligibility Requirements:**
Pharmacy Fellows for the Rutgers Pharmaceutical Industry Fellowship Program are selected on a nationally competitive basis. Candidates must have completed a Doctor of Pharmacy degree from an ACPE-accredited institution before July 1 of the fellowship term.

**How to Apply:**
**The RPIF Program is highly competitive. Candidates will be selected for interviews on a rolling basis, so we strongly encourage you to submit your application as soon as possible.**

**Interested candidates may submit their application with short-answer questions and supporting materials (letter of intent, curriculum vitae, and 3 letters of recommendation) as soon as October 6, 2023 by visiting our website at:**
**https://pharmafellows.rutgers.edu/how-to-apply/**

All application materials **must be submitted electronically to the RPIF Website** per instructions on the site.

**Your Letter of Intent & Letters of Recommendation should be addressed to:**

Joseph A. Barone, Pharm.D., F.C.C.P.
Dean and Professor II
Ernest Mario School of Pharmacy
Rutgers, The State University of New Jersey
160 Frelinghuysen Road
Piscataway, NJ 08854-8020

| Required Items | Submit by |
|---|---|
| Application with short-answer questions | October 13th |
| Letter of Intent (LOI) | October 13th |
| Curriculum Vitae (CV) | October 13th |
| Letters of Recommendation (LORs) | December 1st |

**Alliance of Industry Fellowship Associates Fellowship Offers**
Recognizing that the choice of a Post-Doctoral Industry Fellowship is an important decision, AIFA exists to promote a common aspect of each of our program's cultures by supporting a consensus first offer date of December 13, 2023 for all fellowship candidates.

We hope that other academic and non-academic Fellowship Programs will respect this timeline to allow for best program fit for candidates.

AIFA
Alliance of Industry Fellowship Associates

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AstraZeneca
What science can do

*In Memory of Our Beloved*

## Fellowship Program Founder

**Debra S. Weintraub, PharmD**