AstraZeneca Pharmaceutical Industry Fellowship Program 2020

Rutgers Institute for Pharmaceutical Industry Fellowships
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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 61,500 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 place emphasis on effective leadership, the acquisition and retention of great talent, setting clear targets, open lines of communications, excellent 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.

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.
Executive Sponsors

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Vice President, Medical Affairs Head of US Oncology
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 teams that collaborate across the enterprise

We Do The Right Thing
- I am accountable for my actions and the success of AZ
- I speak up to ensure that all we do is aligned to our values

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

Our values guide everything we do and underpin the delivery of our Global Scorecard targets.
About Acerta

Acerta Pharma serves as AstraZeneca’s “Hematologic Oncology Center of Excellence.” As such, it has the responsibility of developing both internally discovered compounds as well as AstraZeneca sourced compounds for hematological malignancies. The company began operations in 2013 with the vision of combining cutting edge science, unique covalent technology, and an experienced, dedicated team in order to deliver novel targeted therapies for patients with cancer.

Jurriaan Dekkers, CEO
Fellowship Opportunities

Global and US Medical Affairs
Medical Information / Medical Strategy / HEOR

Regulatory Affairs, Regulatory Labeling, and Patient Safety

*US Marketing and Clinical Development are not recruiting at this time
Available Fellowship Positions

**AstraZeneca**
Gaithersburg, MD  
(Greater DC Area)

- Medical Information & Medical Affairs Strategy, Oncology (2 positions)
- US Health Economics and Outcomes Research, Oncology (1 position)
- Global Regulatory Labeling Strategy (1 position)
- Global Regulatory Affairs, Oncology (1 position)
- Global Patient Safety, Oncology (1 position)

**AstraZeneca**
Wilmington, DE  
(Greater Philadelphia Area)

- Medical Information & Medical Affairs Strategy, Cardiovascular, Renal & Metabolic Diseases (2 positions)
Current Fellows (1st Year)

Alex Schuster, PharmD
US Immuno-Oncology Franchise Marketing
Purdue University

Joyce Lo, PharmD, RPh
Medical Information/Medical Strategy, Hematology/Oncology
Northeastern University School of Pharmacy

Kevin Huang, PharmD
Medical Affairs, Respiratory Biologics
Ernest Mario School of Pharmacy, Rutgers University

Kyran Jones, PharmD, RPh
Medical Affairs, Hematology/Oncology
Northeastern University School of Pharmacy

Maghan Ballantyne, PharmD, RPh
Medical Information/Medical Strategy, CVMD
University of Rhode Island

Megan (Der Yu) Wang, PharmD
Clinical Science, Hematology/Oncology
University of the Pacific, Thomas J. Long School of Pharmacy

Parvathy Varma, PharmD, MS
Global Labeling Strategy
Nova Southeastern University
Current Fellows (2nd Year)

Daniel Simmons, PharmD, RPh
US Health Economics and Outcomes Research, Oncology
Ernest Mario School of Pharmacy, Rutgers University

Shannon Morrow, PharmD
Medical Information/Medical Strategy, Immuno-Oncology
University of Maryland School of Pharmacy

Shuo Chen (Jason), PharmD, RPh
Global Patient Safety, Oncology
St. John’s College of Pharmacy

Sophia Wang, PharmD, RPh
Global Regulatory Affairs, Oncology
UNC Eshelman School of Pharmacy
2020 Fellowship Preceptors

Rahul Shenolikar, PhD
Director, US Health Economics and Outcomes Research, Oncology

Sweta Shah, PharmD
Director of Medical Information, Oncology

Camille Pope, PharmD
Director of Medical Alignment, Oncology

Yemmie Oluwatosin, PhD
Director of Medical Alignment, CVRM

Susan Pajak, PharmD
Senior Medical Information Manager, Oncology

Paula Eason, PharmD, PhD
Director of Medical Alignment, Oncology

Johanna Golias, PharmD
Director of Medical Information, Cardiovascular

Monisha Prakash, PharmD, RPh
Senior Medical Information Manager, Renal Cardiology

Medical Affairs
US Marketing
Regulatory and Safety
Clinical Development
2020 Fellowship Preceptors

Raweesh Chaudhary, B.Pharm, MBA, CCPE
Director of Medical Affairs, Cardiovascular

Nisha Parikh, PharmD, MBA
Global Labeling Strategy Manager, Respiratory

Shilpa Durbal, PharmD, RPh
Global Labeling Strategy Manager, Oncology

Marilyn Kiral, PharmD, PhD
Regulatory Affairs Director, Oncology

Caleb Briggs, PharmD
Senior Regulatory Affairs Director, Oncology

Shelby Scarlatta, RN, BSN, RAC (US)
Pharmacovigilance Science Director, Oncology

Kathryn DeStefano, PharmD
Director of Medical Information, Renal Cardiology

Medical Affairs
US Marketing
Regulatory and Safety
Clinical Development
Fellowship Steering Committee

Jose Argueta, PharmD
Director of Medical Alignment, Oncology

Melissa Pavilack, PharmD
Associate Director, Health Economics and Outcomes Research

Corey Fang, PharmD
Senior Medical Information Manager, Cardiovascular

Melanie Standridge, PharmD
Senior Medical Information Manager, Respiratory

Marilyn Kiral, PharmD, PhD
Regulatory Affairs Director, Oncology

Danielle Titus, PharmD, RPh
Tumor Director, Oncology

Anna Seto, PharmD
Senior Clinical Scientist, Hematology

Jung Lee, PharmD
Senior Franchise Lead, CVMD

Andrew Fariello, PharmD
Vice President, Global Medical Capabilities, Oncology Business Unit
Available Fellowships
Available Fellowships

Health Economics & Outcomes Research

Overview
The Health Economics & Outcomes Research (HEOR) fellowship will allow the fellow to learn how HEOR contributes to the wider healthcare quality, performance measures, and health policy environment in the United States. Fellows will have the opportunity to learn about different functional areas such as medical information, publications, and medical strategy and will have the opportunity to participate in short rotations. Fellows will also gain an understanding of market access principles for pharmaceuticals, including the US healthcare landscape, medical and pharmacy benefit design, and distribution and dispensing models. In order to further enhance their research skills, the fellow will have the opportunity to obtain a Master of Public Health or a Master of Science in Health Outcomes, Policy, and Economics degree from Rutgers as part of the fellowship program.

Fellowship Objectives:
• Gain an understanding of how HEOR demonstrates the value of AZ products through conduct of studies and communication of value propositions to internal and external stakeholders
• Achieve a diverse experience with the methods and practices of health services, health economics, and outcomes research
• Contribute to the generation of HEOR scientific evidence used by healthcare decision makers
• Lead projects used to communicate real-world data with internal and external stakeholders
• Collaborate with cross-functional teams to ensure understanding of HEOR information used to address unmet medical needs
• Fellows will become active members of project teams and engage in daily operations within their respective departments, often providing key information to AstraZeneca decision makers
• Learn about the unique challenges and opportunities associated with research in the oncology space

Fellowship Details
Oncology
Length: 2 years
Location: Gaithersburg, MD
Positions: 1

Current Fellow: Daniel Simmons
Current Preceptor: Rahul Shenolikar
Available Fellowships

Overview
Four 2-year fellowships will be offered this year, which will have a predominant focus on the Medical Information function and a strong strategy component within Medical Affairs. These fellowships will serve the Cardiovascular/Metabolic/Renal (2) and Oncology (2) therapeutic areas.

Medical Information Fellowship Objectives:
• Provide fair-balanced scientific responses to unsolicited requests from healthcare professionals regarding AstraZeneca products
• Research medical literature and evaluate scientific data to develop evidence-based medical content in standard responses, slide decks, and other Medical Affairs materials
• Perform medical review of advertising and promotional material to ensure scientific accuracy
• Develop scientific content, including slide decks and training materials, to support the field in Medical Affairs
• Participate in collaborative projects with Marketing, other Medical Affairs functions, and Sales to provide scientific support and education to various field medical and sales teams on product and disease state knowledge
• Participate in scientific congress activities, including materials development and Medical Information booth staffing

Medical Affairs Strategy Fellowship Objectives:
• Participate in strategic/launch planning based on the unmet medical needs from the perspectives of patients, providers, and payers
• Participate in medical strategy execution through engagement with field medical, medical information, publication strategy, medical education, health policy, and outcomes teams
• Understand novel clinical and scientific areas of interest for externally sponsored research and participate in scientific reviews of unsolicited proposals
• Interact with Marketing, Clinical Development, Global Medical Affairs, Legal, and Regulatory Affairs as they relate to Medical Affairs’ activities

Medical Information and Medical Affairs Strategy

Cardiovascular, Renal & Metabolic Diseases
Length: 2 years
Location: Wilmington, DE
Positions: 2
Current Fellows:
Maghan Ballantyne
Kevin Huang
Recruiting Preceptors:
Raweesh Chaudhary
Kathryn DeStefano
Johanna Golias
Yemmie Oluwatosin
Monisha Prakash

Oncology
Length: 2 years
Location: Gaithersburg, MD
Positions: 2
Current Fellows:
Shannon Morrow
Joyce Lo
Kyran Jones
Recruiting Preceptors:
Paula Eason
Susan Pajak
Camille Pope
Sweta Shah
Available Fellowships

Global Regulatory Labeling Strategy

Overview
This unique Global Regulatory Labeling Strategy fellowship program will allow the fellow to develop the technical and strategic capabilities needed to be successful within the pharmaceutical industry, working on both drug and biologic products at various stages of development. Under the general direction and mentoring of subject matter experts, the fellow will contribute to the development of Global and US labeling strategies, in line with product regulatory strategies, gaining experience across development, lifecycle management, maintenance and implementation of Core Product Information (CPI), European Union Quality Review of Documents (EU QRD), United States Prescribing Information (USPI), and associated patient labeling content and materials that support the safe and effective use of AstraZeneca marketed or development products. This is a highly matrixed role, collaborating with and influencing a variety of stakeholder functions.

Fellowship Objectives:
• Gain an understanding of the regulatory labeling development process, the end-to-end labeling lifecycle, and the tools necessary to become a knowledgeable and competent regulatory labeling strategist
• Become proficient in understanding and providing labeling-related advice and counsel for marketed and development products, according to applicable company policies, regulatory standards and guidance documents, global health authority regulations, competitor labeling, and multi-disciplinary team collaboration
• Build necessary competencies to effectively lead Product Labeling Teams (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)
• Build regulatory intelligence, analytical skills, and competitive expertise to develop labeling brand positioning strategies
• Interact with colleagues from various departments to learn about the contributions of key stakeholder functions to labeling activities
• Enhance and build leadership skills, negotiation skills, relationship and consensus building, written and verbal communication skills, critical information seeking skills, and multicultural awareness and sensitivity

Fellowship Details
Length: 2 years
Location: Gaithersburg, MD
Positions: 1

Current Fellow: Parvathy Varma
Current Preceptor: Nisha Parikh
Current Preceptor: Shilpa Durbal
Available Fellowships

Global Regulatory Affairs, Oncology

Overview
This focused 2-year program in Global Regulatory Affairs, Oncology allows the individual to explore and understand the broad remit and responsibilities of the Regulatory Affairs function at AstraZeneca. This fellowship provides US and Global experience in small molecule and biologic products at various stages of development. Under the general direction and mentoring of experts in the respective fields, the fellow will develop technical, strategic, and regulatory affairs foundational capabilities needed to be successful in developing overall regulatory strategies and end-to-end delivery of oncology products.

Fellowship Objectives:
• Learn key aspects of global regulations to apply regulatory requirements to the development, approval, and maintenance of drugs and biologics
• Gain experience in developing regulatory strategy
• Participate in health authority interactions and assess regulatory risks
• Work with Regulatory Project Management to execute and manage the end-to-end delivery of regulatory submissions for global clinical trials
• Work with matrix team members to identify solutions that meet regulatory requirements as well as commercial objectives
• Be provided rotational opportunities to gain Chemistry Manufacturer and Control (CMC), Oncology Early and Late Development, Patient Safety (PS), and Global Labeling Group (GLG) knowledge
• Gain exposure to interactions between Regulatory and other cross-functional team GMD functions

Fellowship Details
Length: 2 years
Location: Gaithersburg, MD
Positions: 1

Current Fellow: Sophia Wang
Current Preceptor: Marilyn Kiral
Current Preceptor: Caleb Briggs
Available Fellowships

Global Patient Safety, Oncology

Overview
This focused 2-year program in the area of Global Patient Safety allowing the individual to explore and understand the broad remit and responsibilities of Patient Safety at AstraZeneca. This fellowship provides US and Global experience in small molecule and biologic products at various stages of development. Under the general direction and mentoring of experts in the respective fields, the fellow will develop technical, strategic and safety or foundational capabilities needed to be successful developing overall strategies and end to end delivery of oncology products.

Fellowship Objectives:
• Learn about drug development process and the important role of the Patient Safety professional
• 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
• Gain experience in developing the safety strategy by working on multiple oncology products across various stages of development
• Develop the ability to think strategically by applying global pharmacovigilance and regulatory perspective while complying with health authority regulations and guidelines
• Enhance ability to critically evaluate and apply pharmacotherapeutic knowledge in analyzing, interpreting and presenting safety data in a clear and concise manner
• Gain hands-on experience in preparation of various regulatory documents (e.g., Periodic Safety Reports, Product Label Updates, Risk Management Plans, and Responses to HA requests)
• Develop the overall expertise in enhancing patient care and safety in relation to the use of pharmaceutical products by ensuring that emerging safety signals are proactively identified and appropriate actions are taken to ensure the benefit/risk profile remains favorable
• Provide patient safety input to pivotal study documents (including Investigator brochures, clinical study protocols, and informed consents)

Fellowship Details
Length: 2 years
Location: Gaithersburg, MD
Positions: 1

Current Fellow:
Shuo Chen (Jason)

Current Preceptor:
Shelby Scarlatta
In 1984, at Rutgers, The State University of New Jersey, the Ernest Mario School of Pharmacy and two pharmaceutical companies began a 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 21 companies within the pharmaceutical and biopharmaceutical industries and over 200 fellows annually.

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, and scholarly activity; and
- Arrange specialized fellowship training opportunities within the pharmaceutical and biopharmaceutical industries.

More than 1000 post-doctoral fellows have completed the RPIF Program, most of whom are pursuing influential and rewarding careers in the pharmaceutical and biopharmaceutical industries throughout the US and abroad. The RPIF Program has preceptors/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 industries and the fellow’s functional area.

Recently in 2018, our program has expanded to offer interdisciplinary fellows’ training by adding select physician fellowship opportunities to our well-established program.
Professional Development Series
All fellows gather at Rutgers once or twice 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’ presentation skills, emotional intelligence, promote connectivity and a sense of community among fellows from different companies and disciplines, develop new skill sets under the guidance of external trainers, and provide general knowledge about various aspects of drug development and issues facing the pharmaceutical and biopharmaceutical industries.

The fellows learn from each other through individual and group presentations and debates on topics and issues related to the pharmaceutical and biopharmaceutical industries. This dynamic forum 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, and conflict resolution skills; giving and receiving feedback; and business and dining etiquette). Other PDD guest speakers include senior industry executives, patient advocacy groups, and successful RPIF Program alumni who share their 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 FOSTERs the growth and development of future pharmaceutical and biopharmaceutical industry professionals through the following key program features:

**Family of Leading Companies**—Partners include several of the top 21 global pharmaceutical and biopharmaceutical companies.

**Outstanding Alumni Track Record**—Over 1000 alumni hold prominent positions at many leading companies.

**Strong Network**—Over 200 fellows each year develop valuable, lasting connections with each other, alumni, preceptors and faculty.

**The Pathway to Industry**—Since 1984, the Rutgers program has been nationally recognized, trusted, and proven as the pathway to industry for pharmacists.

**Enhanced Career Path**—Increasingly challenging assignments build depth of experience and enhance the potential for an accelerated career path.

**Rigorous Academic Component**—Rutgers affiliation provides academic and professional development opportunities.
Application Process and Eligibility Requirements

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. Participation in the ASHP Midyear Clinical Meeting/PPS is strongly encouraged. Interested individuals may submit their application materials (curriculum vitae, three letters of recommendation and a letter of intent) beginning November 23, 2019 and complete a program interest form online by visiting our website at: pharmafellows.rutgers.edu

All application materials must be submitted electronically, and applicants are strongly encouraged to submit the above documents by December 1st.
In Memory of Our Beloved Fellowship Program Founder,

Debra S. Weintraub, Pharm.D.