AstraZeneca Pharmaceutical Industry Fellowship Program 2019

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.
About AstraZeneca

Our Purpose and Values

We push the boundaries of science to deliver life-changing medicines.

Our purpose underpins everything we do. It gives us a reason to come to work every day. It reminds us why we exist as a company. It helps us deliver benefits to patients and create value for shareholders. It also sets the context for our employees’ activities and the roles of our teams, partners, and other collaborators.

We follow the science. We put patients first. We play to win. We do the right thing. We are entrepreneurial.

Our values determine how we work together and the behaviors that are integral to our drive for success. Our values guide our decision-making, define our beliefs, and foster a strong AstraZeneca culture.

Pascal Soriot, CEO
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.

Flavia Borellini, CEO
Fellowship Positions

**AstraZeneca**
Gaithersburg, MD

- Oncology Medical Information/Medical Strategy Fellowship (1 Position)
- US Immuno-Oncology Marketing Fellowship – Franchise Marketing and New Product Planning (1 Position)
- Hematology Oncology Medical Strategy Fellowship (1 Position)
- Global Labeling Strategy (1 Position)

**AstraZeneca**
Wilmington, DE

- Cardiovascular/Metabolic Medical Information/Medical Strategy Fellowship (1 Position)
- Respiratory Medical Information/Medical Strategy Fellowship (1 Position)

**Acerta Pharma**
South San Francisco, CA

- Clinical Development/Clinical Science (1 Position)
Fellowship Opportunities

US MEDICAL AFFAIRS
Medical Information / Medical Strategy

GLOBAL REGULATORY AFFAIRS, PATIENT SAFETY, AND QUALITY ASSURANCE (GRAPSQA)
Global Labeling Strategy

US MARKETING
Franchise Marketing and New Product Planning

CLINICAL DEVELOPMENT
Clinical Development / Clinical Science
2019 Fellowship Preceptors

US Medical Affairs

Lisa Chen, Pharm.D.
Senior Medical Information Manager
Oncology

Kate Coyle, Pharm.D.
Director, Medical Alignment
Oncology

Josephine Ohioma, Pharm.D.
Director, Medical Information
Respiratory

Raweesh Chaudhary, B.Pharm, M.B.A. CCPE
Director, Medical Alignment
Cardiovascular/Metabolic

Johanna Golias, Pharm.D.
Director, Medical Information
Cardiovascular

Terri You, Pharm.D.
Director, Medical Alignment
Respiratory Biologics

*Not Pictured: Cindi Elesinmogun, Pharm.D., Director, Medical Alignment, Hematology Oncology
2019 Fellowship Preceptors

Clinical Development/Clinical Science
Michael Wilinsky, RPh.
Executive Director, US IO Franchise Marketing

GRAPSQA
Rowell Medina, Pharm.D., BCPS
Associate Director, Global Labeling Strategy

US Marketing
Salah El-Saheb, Pharm.D.
Senior Director, Clinical Science

Tara L. Chen, Pharm.D. BCOP
Clinical Scientist

Nisha Parikh, Pharm.D., MBA
Manager, Global Labeling Strategy
Fellowship Steering Committee

Jose Argueta, Pharm.D.
Director, Medical Information

Melissa Pavilack, Pharm.D.
Associate Director, HEOR

Marilyn Tsourounis, Pharm.D., PhD
Regulator Affairs Director, Oncology

Danielle Titus, Pharm.D., RPh.
Senior Director, Medical Information

Jung Lee, Pharm.D.
Senior Director, Medical Information

Salah El-Saheb, Pharm.D.
Senior Director, Clinical Science
US Medical Affairs
US Medical Information/ Medical Strategy Fellowships (2 Years)

Overview
Three 2-year fellowships will be offered this year which will have a predominate focus on the Medical Information functional area and a strong Medical Affairs strategy component within the Cardiovascular/Metabolic, Oncology, and Respiratory therapeutic areas within Medical Affairs.

Medical Information 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 field 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 Strategy 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 sponsor 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 US Medical Affairs’ activities

Oncology Medical Information/Medical Strategy Fellowship
(1 Position)
Cardiovascular/Metabolic Medical Information/Medical Strategy Fellowship
(1 Position)
Respiratory Medical Information/Medical Strategy Fellowship
(1 Position)
US Medical Strategy Fellowship (2 Years)

Overview
The rapidly expanding Hematology Oncology Franchise at AstraZeneca is seeking exceptional candidates for consideration for a Hematology Oncology Medical Strategy Fellowship. Given our robust pipeline and recent approvals of new medicines, Medical Affairs at AstraZeneca is an exciting place to learn. This unique fellowship will be anchored in the Core Medical Team, developing expertise in strategy and execution as it relates to commercialization and product life cycle management. As such, the fellow will have the opportunity to work with each of the functional groups that together make up the AZ Medical Affairs organization.

Fellowship Objectives
• Participate in the development and execution of the medical affairs and medical value strategy (product lifecycle planning, integrated 3-year and 1-year medical plans, quarterly focus documents)
• Understand how the Core Medical Team collaborates across the organization to deliver key objectives in support of the commercialization of new product and lifecycle planning in additional to evidence generation
• Understand the key elements of launch excellence
• Deliver Medical Affairs plans through engagement with Medical Affairs functions (e.g. field medical, medical information, publication strategy, medical education, evidence generation teams)
• Develop an understanding of unmet medical needs from the perspectives of patients, providers, and payers and participate in the development and delivery of appropriate scientific messaging and education to healthcare providers
• Interact with Marketing, Clinical Development, Global Medical Affairs, Legal, and Regulatory Affairs as they relate to US Medical Affairs’ daily activities and special projects (e.g. advisory boards, congress planning, vendor management, evidence generation)
• Gain an understanding of the laws, regulations, and policies required to help ensure legal and ethical interactions with health care professionals
US Marketing Fellowships (2 Years)

Overview
The fellow will spend most of their time supporting the US Immuno-Oncology Marketing team and has the opportunity to pursue additional projects with other cross-functional teams, depending on personal goals.

Fellowship Objectives
• Learn the clinical and business elements of US Oncology Marketing in the immuno-oncology space including pre-launch activities, strategic planning, and forecasting
• Develop new tools and resources through innovation, collaboration with cross functional partners, and ownership through the Legal/Medical/Regulatory process
• Build strategic and tactical plans for future immuno-oncology indications
Clinical Development
Clinical Development / Clinical Science (2 Years)

Overview
This 2-year fellowship will provide the fellow with a great opportunity to develop experiences in a strategic clinical development role. The fellow will acquire hematology disease knowledge and have the responsibility of being part of a team that develops compounds that help advance our hematology product portfolio. The fellow will also work on high priority projects aligned with the clinical development plan to deliver impactful data to our medical community. The fellow will develop leadership and communication skills while collaborating across the clinical development teams and other key functions.

Fellowship Objectives
• Support the Medical Monitor with protocol implementation including site identification and communication, attendance at investigators’ meetings, correspondence with sites including IRBs, and interaction with cross-functional teams
• Support program development including cross-functional interaction with all of the disciplines necessary for successful drug development: Pre-clinical, Manufacturing, Quality Assurance, Regulatory, Medical Affairs, Marketing, Legal, Biostatistics and Data Management, Pharmacovigilance, and Clinical Operations
• Support data compilation for efficacy and safety evaluation with Medical Monitor oversight and review
• Support interim response determination of patients on study with Medical Monitor oversight and review
• Work closely with the Medical Monitor, project and study teams to deliver enhanced efficiencies and quality around tactical deliverables, IND and other regulatory submissions, protocol development, amendments and all supporting documents, PK/PD and clinical data collection and analysis, investigator and site communications, study reports, and publications
• Serve as key clinical lead in cross-functional sub-team meetings in collaboration with the Medical Monitor
• Author, develop, and amend clinical study protocols, consent forms, case report forms, and ancillary documents in collaboration with the Medical Monitor and study teams
• Work with Clinical Operations and Data Management in database review, query, and clean-up activities in real-time and prior to database lock
• Work with the Medical Monitor in preparation of abstracts, posters, oral presentations, and manuscripts
Global Labeling Strategy Fellowship (1 Year)

Overview
This unique Global 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, life-cycle, 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 for AstraZeneca marketed or development products. This is a highly matrixed role collaborating with a variety of stakeholder functions.

Fellowship Objectives:
• 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 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 and analysis skills in support of labeling strategy development
• Interact with colleagues from various departments to learn about the contributions of key stakeholder functions to labeling activities
• Build competencies in leadership, negotiation skills, relationship and consensus building, critical information seeking, and multi-cultural awareness and sensitivity
• Enhance written and verbal communication skills
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 950 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.

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 and Dr. Michael Toscani, Research Professor and the Director for the Institute for Pharmaceutical Industry Fellowships.
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:

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

**O**utstanding Alumni Track Record—Over 950 alumni hold prominent positions at many leading companies.

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

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

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

**R**igorous Academic Component—Rutgers affiliation provides academic and professional development opportunities.

Rutgers, The State University of New Jersey, with approximately 68,500 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 is the only state school of pharmacy in New Jersey, with approximately 1,300 students in its Doctor of Pharmacy program.

The Rutgers Ernest Mario School of Pharmacy is located on the University’s main science and technology campus in Piscataway, New Jersey. Because of its close proximity to the nation's leading pharmaceutical and biopharmaceutical companies, the Ernest Mario School of Pharmacy and the RPIF Program are uniquely capable of providing fellows with exposure to the pharmaceutical and biopharmaceutical industries.
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 are invited to electronically submit a curriculum vitae, three letters of recommendation and a letter of intent and complete a program interest form online by visiting our website at: pharmafellows.rutgers.edu

All application materials must only be submitted electronically via our website, pharmafellows.rutgers.edu (Applicant Portal) as early as November 17th. Applicants are strongly encouraged to submit a CV, Letter of Intent and (1) Letter of Recommendation by December 1st.

Please address your Letter of Intent & Letters of Recommendation 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"
In Memory of Our Beloved Fellowship Program Founder,

Debra S. Weintraub, Pharm.D.