

A background image showing three people in a professional setting. On the left, a woman in a grey blazer is smiling and looking towards the center. In the center, a woman with braids in a white shirt is also smiling. On the right, a man in a blue and white striped shirt is seen from the side, looking towards the center. They appear to be in a meeting or discussion.

ASTRAZENECA/HOWARD UNIVERSITY

Pharmaceutical Industry Fellowship Program Brochure 2027-2029



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About AstraZeneca

We are a global, science-led, patient-focused pharmaceutical company. We are dedicated to accelerating the delivery of life-changing medicines that create enduring value for patients, society, the planet and our shareholders.



Pascal Soriot
CEO, 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.

Our Purpose and Values



We Follow the Science

I am curious to 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

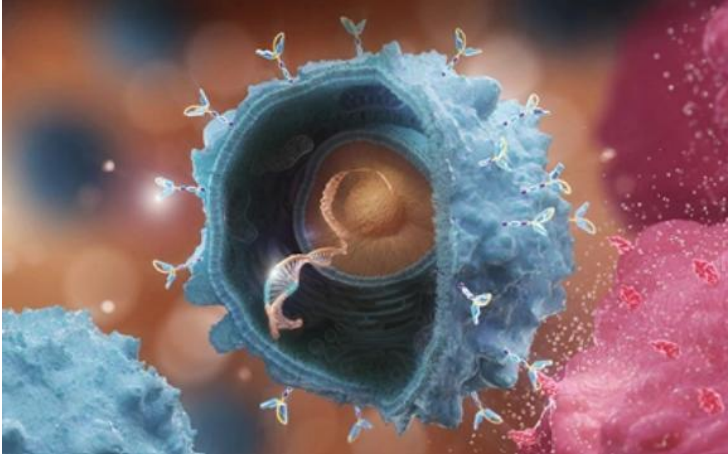


We Are Entrepreneurial

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

Our Therapeutic Areas

We are creating novel therapies that help people with cancer or other chronic and rare diseases. Our focus is on therapy areas where we can transform care and improve outcomes for patients.



Oncology

We are leading a revolution to transform cancer care. Our ambition is to eliminate cancer as a cause of death.

We seek to transform outcomes for people living with cancer through innovative medicines, powerful collaborations and a world-class, purpose-driven team.



BioPharmaceuticals

Our ambition is to transform care for billions of people living with chronic diseases and deliver long-lasting immunity.

We are working to intervene earlier to protect vital organs, slow or reverse disease progression, and achieve remission for often degenerative, debilitating and life-threatening conditions, so many more people can live better, healthier lives.



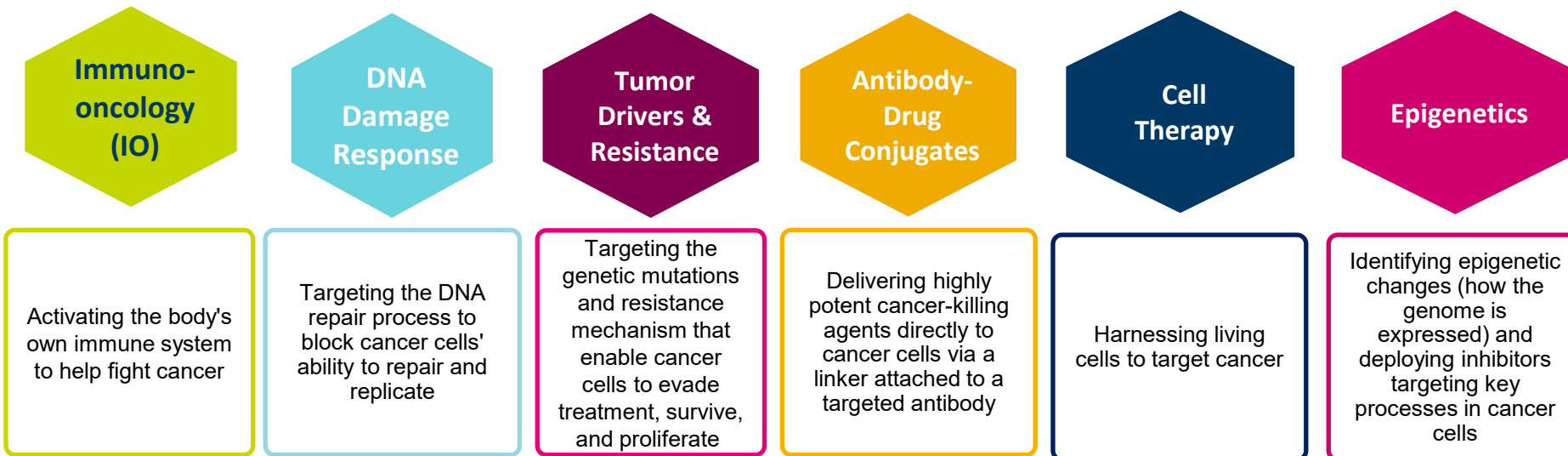
Rare Disease

We are dedicated to improving the lives of those living with rare diseases and the people who support them.

Alexion, AstraZeneca Rare Disease continues to build a diversified pipeline across disease areas with significant unmet medical need, using an array of innovative modalities, while expanding our global geographic footprint.

Our Oncology strategy is built with one goal in mind – to push the boundaries of science to change the practice of medicine and transform the lives of patients living with cancer. Our broad pipeline of next-generation medicines, together with our focus on excellence in execution, are aimed at expanding treatment options and improving outcomes for patients with solid tumors and hematological cancers.

Strategic priorities: Pioneering research across six scientific platforms



Key Tumor Areas

Lung, Breast, Ovarian, Hematologic, Prostate, Liver, Pancreatic, Cervical

A Message from Leadership



Roula Qaqish

VP Head of US Medical Affairs, Oncology

"At AstraZeneca, we believe that advancing innovation in healthcare requires investing in the next generation of scientific and medical leaders. The AstraZeneca/Howard University Pharmaceutical Industry Fellowship Program reflects our commitment to creating meaningful opportunities for talented pharmacists and scientists to gain hands-on experience in Medical Affairs while contributing to our mission of improving outcomes for patients.

Through this partnership with Howard University, we are helping fellows build the skills, knowledge, and leadership capabilities needed to thrive in the pharmaceutical industry. The program not only provides valuable professional development and mentorship but also strengthens the diversity of perspectives that are essential to advancing healthcare innovation.

We are proud of the impact this collaboration has had on our fellows and our organization, and we remain committed to fostering an environment where emerging talent can learn, grow, and make a meaningful difference for patients."

Fellowship Program Directors

“ The AstraZeneca/Howard University Fellowship Program is designed to empower talented individuals from diverse backgrounds and educational experiences by offering them ***immersive, hands-on, real-world exposure to the pharmaceutical industry.*** ”



Kazeem Idowu, PharmD
USMA Medical Head,
Breast Oncology

Participants will work alongside collaborative, dedicated professionals within AstraZeneca, gaining invaluable experience across key areas that value their unique perspectives, and support their personal/professional growth such as medical communications and information, medical strategy, clinical development, health outcomes research, regulatory affairs, and publications.

We invite you to learn more about our program and wish you continued success in your future career endeavors.



Victoria Spence, PharmD
Senior Medical Science
Liaison, Thoracic Oncology

- At AstraZeneca, we recognize that ***our people are our greatest assets*** and know what's possible with a talented and diverse team that believes in what science can do. We are dedicated to innovatively transforming the future of healthcare
- The AstraZeneca/Howard Fellowship Program offers an ***exemplary medical affairs experience*** tailored to the interests of our PhD and PharmD graduates
- Our fellows gain invaluable skill sets providing them the opportunity to shape the future of medicine
- As a leadership team, we take pride in fostering our fellows' development ***every step of the way***

Meet our Current Fellows

Second -Year Fellows



Alexis Clark,
PhD

Global/US Medical Affairs,
Hematology/Oncology



Martina Bakhoun,
PharmD

US Medical Affairs,
Breast Oncology



Ricky Brathwaite,
PhD

US Medical Affairs,
Medical Diagnostics



Widny Nazaire,
PharmD

US Medical Affairs,
Thoracic Oncology

First -Year Fellows



Alicia Rowe,
PharmD

US Medical Affairs,
Gastrointestinal Oncology

Program Perspectives from Fellows



“The opportunity to contribute to meaningful and high impact initiatives while working alongside exceptional colleagues has been one of the most rewarding aspects of my fellowship experience. Beyond strengthening my scientific foundation, this experience has challenged me to grow into a strategic medical affairs professional, showing me how scientific evidence, cross functional collaboration, and innovation come together to advance patient care. What has been most valuable is not only what I learned, but how I learned it. Being trusted with meaningful responsibilities and collaborating across diverse teams has expanded my perspective, strengthened my confidence, and deepened my appreciation for the role medical affairs plays in shaping healthcare. This experience has reinforced my passion for oncology and inspired me to continue growing as a thoughtful contributor, collaborative partner, and future leader in the field.”

- Martina, USMA Oncology PharmD Fellow/Breast



“My Global/ US Medical Affairs fellowship has been both **energizing and eye-opening**. I have had the opportunity to gain a deeper understanding of the strategic role medical affairs plays across the product lifecycle. Since joining the medical affairs team at AZ, I have led various projects and initiatives to support both pre- and post-launch medical products. What stands out most is the mentorship I have received and the collaborative environment. Everyone is genuinely invested in my growth, and I feel encouraged to ask questions, contribute, and begin **shaping my own value as part of the team**. I look forward to continuing to develop scientific, strategic, and leadership skills in the pharmaceutical industry.”

- Alexis, GMA/USMA Oncology PhD Fellow/Hematology

Program Perspectives from Fellows



Widny

USMA Oncology PharmD Fellow/Lung

“The Howard University/AstraZeneca Medical Affairs Oncology Fellowship has provided an exceptional opportunity to develop expertise in pharmaceutical medical affairs. Through my experience on the Lung Cancer Medical Team, I have gained valuable insight into how scientific evidence, cross-functional collaboration, and medical strategy work together to improve patient care. Working alongside Medical Affairs leaders, MSLs, and HEOR colleagues has strengthened both my scientific expertise and my understanding of how innovative oncology therapies are translated into real-world practice.

One of the most rewarding aspects of my fellowship has been the opportunity to contribute to meaningful oncology initiatives that support patients with complex treatment needs while continuing to practice as an oncology pharmacist. Collaborating across teams to support strategic initiatives, educational activities, and stakeholder engagement has reinforced my passion for advancing cancer care through scientific exchange, innovation, and collaborative leadership. These experiences have prepared me to become a future Medical Affairs leader in oncology.”

Potential Roles Post Fellowship*

- Medical Science Liaison (MSL)
- Medical Director/Associate Medical Director
- Scientific Communications Manager
- Evidence Generation/Epidemiology Roles
- Medical Information/Medical Review Scientists
- Clinical Development Scientists
- Medical Project Manager
- Publications Manager
- Medical Education Manager
- Medical Advisor/Medical Affairs Consultant

**Not inclusive of all nor a guarantee of any potential opportunities a fellow may obtain.*

Tangible Deliverables for Fellows*

❑ Scientific and Educational Materials

- Contributing to scientific publications, abstracts, posters, or conference presentations
- Literature reviews and Evidence analyses
- Medical assets and resource guide updates

❑ Cross-Functional Project Contributions

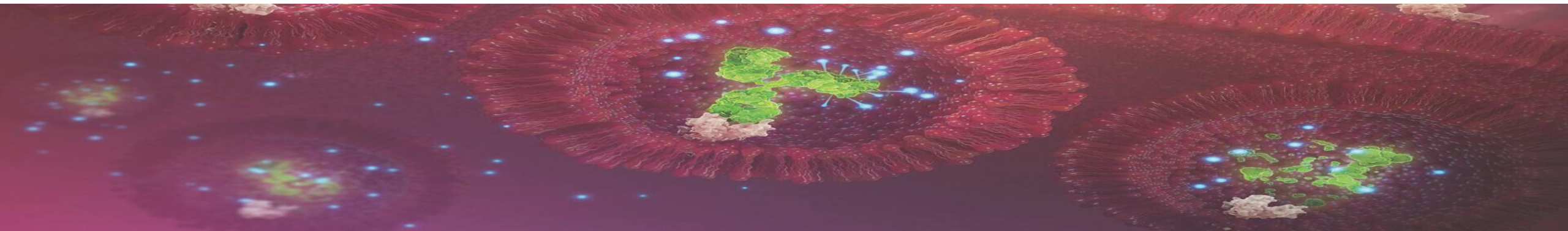
- Strategic development and execution of advisory boards
- Symposia development and execution

❑ Data Generation and Communication

- Support development, implementation, and/or interpretation of real-world evidence studies
- Preparing scientific and standard responses to medical information requests

❑ Stakeholder Engagement

- Congress planning and execution
- Steering committee planning
- Supporting consolidation of field medical insights



**List not inclusive nor a guarantee of all deliverables tasked to a fellow.*

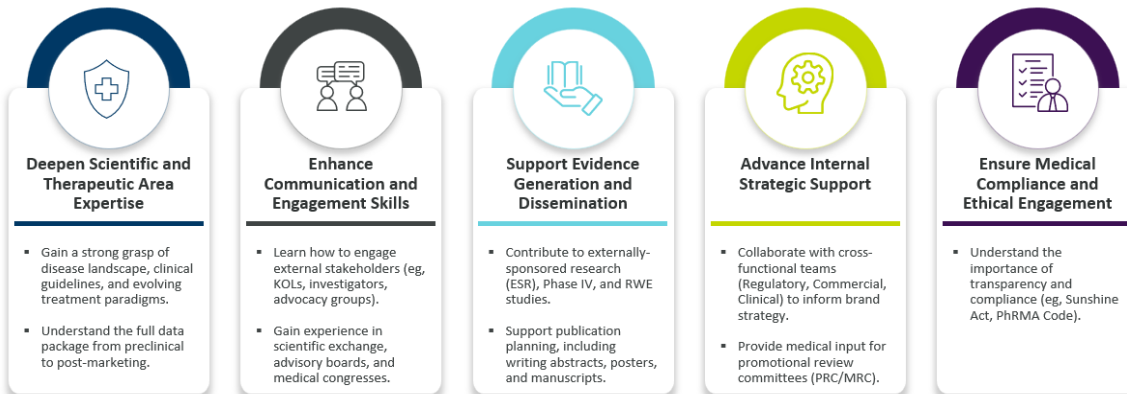
Recruiting Fellowships 2027-2029

US Medical Affairs Strategy, Oncology Hematology & Breast

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

Core Objectives for a US Medical Affairs Fellowship



Learn compliance concerning off-label discussions, understand the importance of fair balanced materials, and engage in promotional review activities

Objectives

During this two-year Medical Affairs fellowship, each fellow (one supporting Heme/Oncology, one supporting Breast Oncology) will:

- ❑ Become a member of the US Medical Affairs team, working directly with the Medical Lead and Medical Director for either Hematology/Oncology or Breast Cancers (depending on assigned area), while also developing a strong knowledge base of AstraZeneca's oncology pipeline
- ❑ Gain a thorough understanding of US Medical Affairs from strategy to implementation through involvement in developing and delivering on the integrated Medical Affairs Plan (iMAP)
- ❑ Develop leadership experience through the execution and coordination of activities relevant to launch, in collaboration with cross-functional partners
- ❑ Develop conference planning acumen
- ❑ Participate in the development of the medical affairs key external expert engagement plan, work closely with the headquarters and field teams in the delivery of relevant insights, and drive advisory board planning and execution to support the brand strategy

Overview and application requirements

Eligibility Criteria:

Graduated with a Doctor of Pharmacy (**PharmD**) OR Doctor of Philosophy (**PhD**) degree by July 2027

Program Structure:

- **PharmD Fellowship:**

First 6 months: Concentrated clinical oncology experience with a local hospital plus gradual integration into OBU US Medical Affairs.

Remaining 18 months: Full integration into OBU US Medical Affairs/Medical Strategy (ie, working with Medical Leads, Medical Directors). Potential opportunities for rotation/special projects with other medical functions.

Must obtain Pharmacy License within 90 days of program start.

- **PhD Fellowship:**

First 12 months: Full integration into OBU US Medical Affairs Teams (ie, working with Medical Leads, Medical Directors).

Remaining 12 months: OBU US Medical Strategy plus potential opportunities for rotation/special projects with other medical functions.

- Approximately **80%/20% split of industry/university components** throughout 2-year period
- Experience tailored according to background, interests, and AZ needs



Location:

Gaithersburg, MD (AstraZeneca) & Washington, DC (Howard University)

Application Requirements

- **Curriculum Vitae**
- **Letter of Intent**
- **3 Letters of Recommendation**

University Component:

Adjunct Faculty appointment at Howard University with teaching requirement

For questions, contact us at:

Howard University Pharmaceutical Industry Fellowship (HUPIF)
Pharmacy.Fellowship@howard.edu and AstraZeneca
AZHUFellowshipProgram@AstraZeneca.com

Alumni Fellows

2021-2023:



**Rachel Mayaka,
PhD**

**USMA Medical Science Liaison,
Thoracic Oncology
AstraZeneca**



**Maryland Okoro,
PharmD**

**USMA Medical Director,
Gynecologic Oncology
AstraZeneca**

2023-2025:



**Nifemi Owoseni,
PhD**

**Solid Tumor Medical
Science Liaison,
Jazz Pharmaceuticals**



**Mele Pitia,
PharmD**

**Staff Pharmacist,
CVS Health**



**Kelsi Buraimoh,
PharmD**

**Associate Director – Global
Medical Omnichannel
Education,
Eli Lilly & Company**

2024-2026:



**Eugene Agho,
PharmD, RPh**

**USMA, Medical Science Liaison,
Thoracic Oncology
AstraZeneca**



**Zerick Dunbar,
PhD**

**USMA, Medical Science Liaison,
Thoracic Oncology
AstraZeneca**

Our Howard University Partnership



Howard University was founded in 1867. Soon after, Pharmacy instruction at Howard University began in the “Department of Medicine” in 1868. The initial program, held in the evening, offered students a “knowledge of the art and science of pharmacy”. As a result of this program, in 1870, the first graduate of Howard University, James Thomas Wormley, received the Doctor of Pharmacy degree from the Medical Department. During the same year, the pharmaceutical program was differentiated from the medical program, and by 1882, the Medical Department consisted of the College of Medicine, the College of Pharmacy and the College of Dentistry. Since this early beginning, the College of Pharmacy has been among the leaders in the preparation of individuals for rewarding careers in pharmacy. The College of Pharmacy currently offers an entry-level four-year Doctor of Pharmacy (PharmD) degree program, a two-year post-BS PharmD degree program, a Non-traditional PharmD degree program, and the MS and PhD degrees in Pharmaceutical Sciences.

Consistent with the mission of Howard University, the College’s mission is to provide pharmaceutical education of excellent quality to students with high academic, scholarship and leadership potential, with particular emphasis upon the recruitment, retention, and graduation of promising African American and other minority students.

ABOUT THE FELLOWSHIP

Envisioned in 2012, the pioneering HUCOP Pharmaceutical Industry Fellowship Program places a special emphasis on ***“taking the limits off”*** our fellows while taking them from ***“success to significance”***. We seek candidates that represent America and the Global community. They must have a proven track record of excellence, exceptional communication skills both written and oral, a receptive aptitude for mentorship, and an innate reservoir of leadership potential primed for future C-suite consideration.

Structured as immersive experiences spanning one to two years, our post-doctoral fellowships empower participants with hands on training in academic, biopharmaceutical, clinical, medical, corporate, research and regulatory spheres.

We extend sincere gratitude to our valued partners, dedicated preceptors, and diligent staff members. Their commitment to guiding our fellows through role modeling, coaching, and professional advancement remains instrumental to our shared success.

Howard University College of Pharmacy Pharmaceutical Industry Fellowship Program (HUPIF) serves to develop post-doctoral fellows with competency and the skill set necessary to serve as integral leaders in academia, biopharmaceutical industry, policy arena, research enterprise, and the US Government inclusive of the Food and Drug Administration (FDA). Our fellows will participate in cutting-edge projects and provide expertise on unique patient health challenges in partnership with their respective fellowship programs.



Dr Earl Ettienne
Assistant Dean of Graduate Programs and
Industry Partnerships
College of Pharmacy



Mrs Christina Flood
Fellowship Budget Analyst
College of Pharmacy



Dr Jacqueline Anglin-Dixon
Assistant Director of Graduate Programs &
Industrial Partnerships
College of Pharmacy