



College of
Pharmacy

HOWARD UNIVERSITY COLLEGE OF PHARMACY

ANNUAL REPORT

2024 — 2025

Howard University College of Pharmacy's year in review continues to impact communities through advancement of pharmaceutical research, cultivation of innovative ideas, and further shaping the future of pharmacy.



HOWARD UNIVERSITY COLLEGE OF PHARMACY INTRODUCTION

Welcome to Howard University College of Pharmacy (HUCOP), where we honor a year of achievements and look ahead to a future full of possibilities. The 2024–25 year has been nothing short of extraordinary, as we highlight the countless

outstanding accomplishments of our staff, students, faculty, alumni, and community.

This year, members of our community showcased their incredible talents and leadership in countless ways.

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From groundbreaking publications to prestigious awards, HUCOP continues to inspire change and shape the future of pharmacy. Our impact extends beyond the nation’s capital, reaching communities across the globe through international initiatives that advance health and equity.

As we proudly send off the Class of 2025, we also look forward with

excitement, welcoming our returning students in the fall and greeting the Class of 2029 as they begin their journey with us.

Together, we celebrate the legacy of excellence that defines Howard University College of Pharmacy while embracing innovation and progress that will carry us into the next era of pharmacy education and practice.



COLLEGE OF PHARMACY



A MESSAGE FROM

DEAN RANTI AKIYODE, PHARM.D., R.PH., BCPS

DEAN'S INSIGHT: ESTABLISHING THE FOUNDATIONS FOR A BRIGHT FUTURE

As we close one academic year and step confidently into the next, I want to express my gratitude to all who came before us to Howard University College of Pharmacy. Their legacy serves as a constant reminder of why we are here and of the possibilities we seek to create for our students, alumni, and future healthcare leaders.

This past year has been one of growth, innovation, and achievement. Our enrollment numbers are increasing, and we are launching new and forward-looking programs designed to meet the evolving needs of the pharmacy profession. These programs, partnerships, and global initiatives are a true reflection of our purpose. Our why is rooted

in service, leadership, and legacy as we prepare future pharmacists to meet the needs of patients and communities everywhere. It is what drives us to educate with purpose, engage with impact, and lead with integrity.

Among these initiatives is the development of a few new curricular tracks: **Leadership and Entrepreneurship, Data Science and Analytics, and Pharmaceutical Industry**. Beginning in Spring 2025, these tracks will allow students to tailor their studies, gain expertise in emerging areas, and prepare for diverse career trajectories across the healthcare and pharmaceutical industries.

Our commitment to expanding opportunities has also led to the creation of the **Online Doctor of Pharmacy (Pharm.D.) Pathway**, which ensures

students nationwide can experience the hallmark of a Howard University education. This program, set to start Fall 2026, provides access to the same rigorous curriculum, mentorship, and rotation opportunities as our on-campus students, extending the “Howard University Experience” far beyond Washington, D.C.

This year, we proudly launched the **Pharmacy Technician Program** in partnership with the District of Columbia Department of Employment Services (DOES). This initiative was created to address the growing national shortage of pharmacy technicians while opening doors of opportunity for D.C. residents. We also continue to strengthen our **Pharmaceutical Industry Fellowship Program** under the leadership of Dr. Ettienne, who has been instrumental in expanding opportunities for advanced training.

Our robust international rotations also continue to thrive, reflecting the growth of our global research footprint. As we conduct more international collaborations and welcome visiting pharmacists from abroad, we remain committed to exchanging knowledge and advancing pharmacy practice worldwide.

Together, these initiatives along with our comprehensive academic offerings ensure that our students receive not only an excellent education but also the diverse experiences that prepare them to lead in the evolving field of pharmacy.

In addition to programmatic innovation, HUCOP has been recognized for its commitment to excellence in continuing education. We are proud to announce that the College was awarded **ACPE CPE Accreditation with Commendation**—the first HBCU to receive this honor, and one of only

a few programs in the District of Columbia and the DMV region to hold this distinction. This recognition affirms our role as a leader in maintaining and advancing the highest standards in pharmacy education and practice.

Our mission and vision capture the essence of our core values—**Collaboration, Accountability, Respect, and Excellence (C.A.R.E.)**— that are embedded within our faculty, students, and staff. These principles shape how we engage with one another and with the broader community. In a word, the Howard University College of Pharmacy Pharmily is one that leads with purpose, grounded in excellence, and committed to impact.

Our success is a collective effort, made possible through the dedication of our faculty, students, alumni, and partners who share our mission to elevate healthcare outcomes and expand access to quality care. As you explore this Annual Report, we invite you to witness how this shared purpose comes to life, serving as a testament to our unwavering commitment to excellence and impact.

The future at Howard University College of Pharmacy is bright, and I am deeply excited about the journey ahead, shaping the next generation of pharmacy leaders, innovators, scholars, and practitioners who will leave a lasting impact on healthcare and on the world.

With Excellence,
Dean Akiyode



BOARD OF VISITORS

Our Board of Visitors play a tremendous role in supporting our College of Pharmacy community. Each lead impactful careers as CEOs, presidents, founders, and professionals across a range of industries.

We thank each member for their continued dedication in helping us fulfill the mission, vision, and values of Howard University College of Pharmacy. Their guidance and support help shape the future of pharmacy education and empower the next generation of healthcare leaders.



Minnie V. Baylor-Henry, JD, '72

Board of Visitors, Chair
Board of Trustees, President of
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Board of Trustees 2012



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Board of Visitors, Co-Chair
Chief Regulatory Affairs Officer
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Board of Visitors 2020



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'14, '19**

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Ruth L. Kirschstein Fellow,
Yale University, Principal
Investigator, Center for
Community Engagement and
Health Equity, Yale Cancer
Center
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Board of Visitors, Member
100 Black Men of South Florida,
CEO of Hollist Consulting Group
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Board of Visitors, Member
Independent Pharmaceutical Consultant

Board of Visitors 2020



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Board of Visitors 2023



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Board of Visitors 2023



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Board of Visitors, Member
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Board of Visitors, Member
Vice President, R&D Global, Strategic Business Initiatives at GSK

Board of Visitors 2023



Amanda E/J Morrison, '08

Board of Visitors, Member
Co-Founder & CEO of Julie

Board of Visitors 2024



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Board of Visitors, Member
Vice President, Chief Strategy and Diversity Officer for the American Association of Colleges of Pharmacy (AACP)

Board of Visitors 2024

COLLEGE LEADERSHIP

Ranti Akiyode, PharmD, R.Ph., BCPS

Dean & Professor

Muhammad Habib, Ph.D.

Associate Dean of Academic Affairs & Professor

Youness R. Karodeh, PharmD, R.Ph.

Associate Dean & Associate Professor

Earl Ettienne, BSc Pharm, MBA, LP.D., R.Ph.

Assistant Dean of Graduate Program & Industry Partnerships

Kierra Wilson, PharmD, AAHIVP

Assistant Dean of Student Affairs

Monika N. Daftary, PharmD, BCPS, AAHIVP

Chair & Professor, Department of Clinical & Administrative Pharmacy Services

Indiran Pather, D. Pharm

Chair & Professor, Department of Pharmaceutical Sciences

Simeon K. Adesina, R.Ph., Ph.D.

Associate Professor & Interim Chair, Department of Pharmaceutical Sciences

DIRECTORS

Jamila Jorden, PharmD, MBA

Director of Experiential Education, Career & Professional Development Coordinator

Pradeep K. Karla, Ph.D., LEAD

Associate Professor & Director of Assessment

Grace Jennings, Ph.D.

Director of International Operations

James Jordan

Director of Development, Health Sciences, Development & Alumni Relations

PROGRAMS & DEPARTMENTS

Clinical and Administrative Pharmacy Sciences (CAPS)

Clinical and Administrative Pharmacy Sciences department, unifies pharmacy practice and social and administrative pharmacy sciences. With a dedicated team of sixteen faculty members in pharmacy practice and four in social and administrative pharmacy, we shape the majority of the college's curriculum and offer a prestigious Ph.D. program in social and administrative disciplines, providing students with hands-on experiences and opportunities for advanced learning and research.

Monika N. Daftary, PharmD, BCPS AQ-ID, AAHIVP

Chair & Professor, Department of Clinical & Administrative Pharmacy Sciences

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Pharmaceutical Sciences Department

The Pharmaceutical Sciences Department plays a pivotal role in the PharmD program by providing essential courses that impart a comprehensive understanding of fundamental pharmaceutical and biomedical sciences relevant to pharmacy practice. These courses, typically completed within the program's initial two years, serve as the cornerstone for subsequent clinical science education.

Indiran Pather, D. Pharm.

Chair & Professor, Department of Pharmaceutical Sciences Department

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Experiential Program

Experiential education comprises approximately one-third of the Doctor of Pharmacy curriculum, encompassing both Introductory Pharmacy Practice Experiences and Advanced Pharmacy Practice. This hands-on component enables students to effectively apply their classroom-acquired experiences and knowledge in diverse practice settings, with opportunities for pharmacy practice experiences spanning the United States and abroad.

Jamila J. Jorden, PharmD, MBA

Director of Experiential Department, Department of Pharmaceutical Sciences

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Office of Continuing Professional Education

Howard University College of Pharmacy, Office of Continuing Professional Education is dedicated to promoting the professional development of pharmacists, pharmacy technicians, and other professionals in the field of pharmacy, focusing on educational programs that address current trends in drug therapy management in diverse populations. Seeking to impact pharmacy practice across various settings and effectively cater to specific disease populations, aiming to create a significant and positive influence within the pharmaceutical community.

Anthea Francis, R.Ph., B.Sc.

Program Coordinator, Department of Clinical & Administrative Pharmacy Sciences

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PACE International Center

For over 25 years, the Pharmaceutical Care and Continuing Education (PACE) Center has been a significant component of Howard University's international presence, focusing on global and international initiatives. Since its establishment in 1993, the PACE center has been actively involved in training programs and projects, offering customized courses to leaders and professionals in pharmaceutical care across nearly 30 countries in Africa, the Caribbean, and Europe. Recognizing the evolving landscape of healthcare and drug development, the center has adapted to embrace international programming opportunities, providing valuable and sustainable public health training to pharmacists worldwide, empowering them to play a more strategic role in primary health care.

Grace Jennings, Ph.D.

Director of International Operations

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Center of Excellence

The Center of Excellence (COE) program aims to strengthen the national capacity for producing culturally competent healthcare professionals, with a focus on diverse representation. It supports designated health professional schools, certain historically black colleges and universities, and other educational institutions with high enrollment of Hispanic or Native American students. Additionally, the Center of Excellence program extends to public and non-profit entities, including graduate programs in mental or behavioral health, to train underrepresented minority students in various health professions.

Mary K. Awuonda, Ph.D.

Associate Professor, Director Center of Excellence, Director National Workforce Diversity Pipeline Project, Department of Clinical & Administrative Pharmacy Sciences

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Mid-Atlantic AIDS Education and Training Center (MAAETC)

The Howard University Mid-Atlantic AIDS Education and Training Center Regional Partner is dedicated to delivering comprehensive HIV/AIDS education, consultation, technical assistance, and resource materials. The primary focus is on supporting healthcare professionals in the Mid-Atlantic region, with a particular emphasis on the District of Columbia.

Monika N. Daftary, PharmD, BCPS AQ-ID, AAHIVP

Regional Director, Professor & Chair, Department of Clinical & Administrative Pharmacy Sciences
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Non-Traditional Doctor or Pharmacy (NTDP) Online Degree Program

Howard University College of Pharmacy stands as one of the United States' oldest and most technologically advanced institutions for pharmacy education. Its long-standing success with the traditional program has paved the way for the creation of an innovative Non-Traditional Doctor of Pharmacy Degree Program tailored to meet the needs of practicing pharmacists. This program aims to enhance their skills and keep them up to date with the latest advancements in the field.

Youness R. Karodeh, BSc., PharmD, R.Ph.

Associate Dean & Associate Professor, Director of Non-Traditional Doctor of Pharmacy (NTDP)
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Fellowship Program

The Howard University College of Pharmaceutical Industry Fellowship Program places a particular emphasis on candidates from diverse backgrounds, especially African Americans, who have demonstrated excellence, exceptional written and oral communication skills, a strong willingness to engage in mentorship, and innate leadership potential suitable for high-level executive roles.

Earl Ettienne, BSc. Pharm.D., MBA, LP.D, R.Ph.

Assistant Dean & Fellowship Director, Fellowship Program
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OUR HISTORY

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 (Pharm.D.) degree program, a two-year post-B.S. Pharm.D. degree program, a Non-traditional Pharm.D. degree program, and the M.S. and Ph.D. degrees in Pharmaceutical Sciences.

Today, the Howard University College of Pharmacy continues to build on its historic foundation by fostering academic excellence, innovation, and leadership in healthcare. With a strong commitment to addressing health disparities and advancing the profession through research, community engagement, and global partnerships, the College prepares graduates to make meaningful contributions to patient care and the pharmaceutical industry. As it moves forward, the College remains dedicated to shaping the next generation of pharmacists and scientists who will uphold Howard's legacy of service, scholarship, and social impact.

MISSION

The mission of Howard University College of Pharmacy is to provide pharmacy education of excellent quality to students possessing high academic, scholarship, and leadership potential, with particular emphasis upon the recruitment, retention, and graduation of promising African American and other ethnically diverse minority students.

The College fosters the creation of new knowledge through innovative research and scholarship, commitment to community service, continuous professional development, and dedication to superior pharmacy practice locally and globally.

VALUES

Our mission statement and vision capture the essence of the core values that are embedded within the fabric and identify of our faculty, students, and staff. We exude these core values in our interactions with each other as well as those who we contact on a daily basis. In a word, the Howard University College of Pharmacy Pharmacy is one that demonstrates C.A.R.E. Collaboration, Accountability, Respect and Excellence.

VISION

Howard University College of Pharmacy aims to excel in teaching, learning, research, leadership, and service locally and globally.

PACE CENTER



PHARMACEUTICAL CARE AND CONTINUING EDUCATION CENTER

Howard University College of Pharmacy and the Pharmaceutical Care and Continuing Education Center (PACE) continued its mission to provide structured, reciprocal international pharmacy training opportunities, which included mentoring and hands-on practice experience, for the purpose of positively impacting direct patient care and clinical outcomes both locally and globally. Our vision is to be a leader in international pharmacy initiatives, exemplifying the value and importance of teaching culturally competent care in pharmacy practice.

HUCOP continues to play a vital role in advancing HIV epidemic control in Nigeria, Zambia, and Malawi by serving as a technical assistance partner for pharmacy services. Through this work, the university promotes pharmacy best practices, strengthens pharmacy systems, and builds the capacity of pharmacists to deliver high-quality HIV/AIDS and TB services at both the health facility and community levels. Earlier this year, PACE Center grants experienced a temporary pause due to the U.S. government's Stop Work Order issued in January 2025. Fortunately, the order was rescinded in February 2025, allowing grant activities to resume and ensuring that this important work could move forward without further interruption.

Accelerating Control of the HIV Epidemic in Nigeria (ACE 5) ECEWS/USAID project, with an award of \$390,000 to implement pharmacy-related technical assistance activities in year 3 of the project. In June 2025, ECEWS expanded implementation activities to include Lagos State. The project helps:

- Support pharmacists in HIV prevention, treatment, and care intervention
- Strengthening pharmacovigilance monitoring, pharmacy systems and building capacity of pharmacy personnel in HIV prevention and care
- Increased access to high quality pharmacy-based prevention, care, and support services

Focal States in Nigeria: Cross River State and Akwa Ibom State, Lagos State.

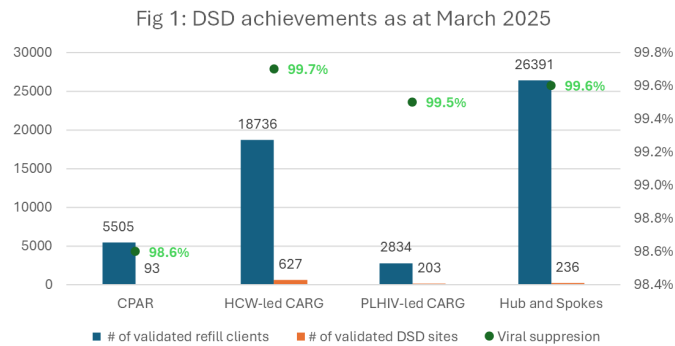


Figure-1 illustrates the project’s achievements in DSD in terms of number of sites, viral suppression rates and the number of devolved clients across the various DSD models.

Delivering Comprehensive and Sustainable HIV/AIDS Clinic and Community Services to Achieve HIV Epidemic Control in Subnational Units in Nigeria (SPEED) ECEWS/CDC project, with an award of \$200,000 to implement pharmacy-related technical assistance activities in year 3 of the project. The project helps:

- Support pharmacists in HIV prevention, treatment, and care intervention
- Strengthening pharmacovigilance monitoring, pharmacy systems and building capacity of pharmacy personnel in HIV prevention and care
- Implementation of decentralized drug distribution models (DDD) and efficient inventory management
- Increased access to high quality pharmacy-based prevention, care, and support services

Focal States in Nigeria: Delta State, Ekiti State, and Osun State.

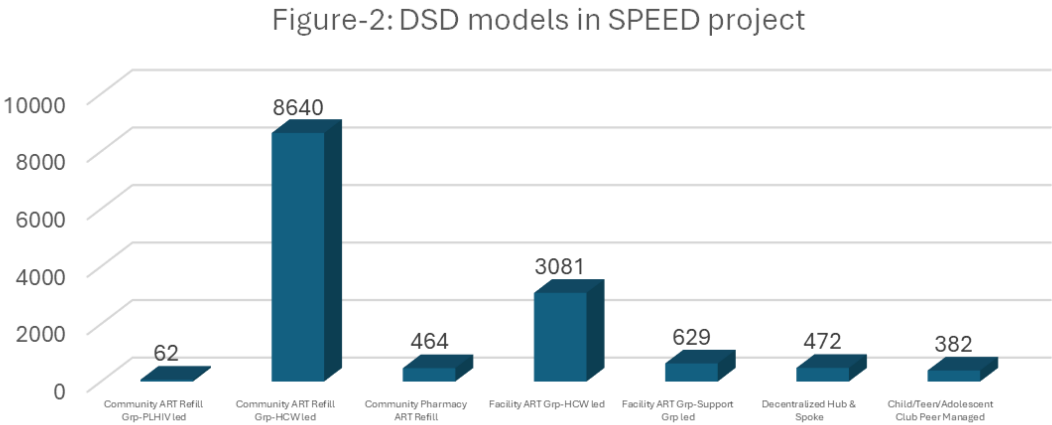


Figure-2 demonstrates some of the Decentralization Service Delivery (DSD) sites along with the number of clients on the models.

HIV Demonstration, Research, Public and Professional Education (DSD-Plus) Meharry/HRSA

projects in Zambia, with an award of \$1M to implement pharmacy-related technical assistance activities in year 3 of the project. The purpose of the DSD program is to increase the efficiency of ART service delivery and improve treatment outcomes among stable ART clients who have achieved viral load suppression status. HUCOP aims to reduce morbidity and mortality experienced by HIV patients.

- Reduced waiting time for ART care from 4 hours to under 60 minutes, helping decongest facilities
- Improved retention rates: 96% at 6 months and 95% at 12 months (up from 76%)
- Increased viral load coverage to 87% and viral suppression to 99%
- Enrolled more ART-stable clients into DSD-plus mode
- Strengthened identification, management, and reporting of Adverse Drug Events (ADRs)

HIV Demonstration, Research, Public and Professional Education Meharry/HRSA

projects in Malawi, with an award of \$326,620 to implement disease control and surveillance activities in year 3 of the project. The purpose of the program is to support the government of Malawi to achieve its goal and objectives on HIV prevention, the Presidents Emergency Plan for AIDS (PEPFAR) funded Jhpiego to implement the Pathway to Employment for DREAMS AGYW Project in Blantyre, Machinga and Zomba district, Malawi.

- Fulfilling the trained community healthcare worker gap by recruiting and training adolescent girls and young women who have completed DREAMS program
- Conduct Disease Control Surveillance Assistant (DCSA) training
- Providing essential access to pathways to economic empowerment through education and employment
- Deployed DSCAs to their respective districts to address under-resourced communities

PACE renewed its partnership with the following institutions:

- Seoul National University College of Pharmacy, South Korea
- Addis Ababa University, Ethiopia

PACE ratified a partnership through a Memorandum of Agreement with the following institutions:

- Taipei Veterans General Hospital, Taiwan
- Universidade Do Vale Do Itajaí, Brazil

PACE engaged in negotiations with 7 new institutions for potential partnerships

10 HUCOP pharmacy students were accepted in the program for the FY25 rotation cycle

11 HUCOP pharmacy students completed a rotation with the following partners within the FY24 cycle:

- Addis Ababa University (AAU) in Addis Ababa, Ethiopia (**1 student**)
- Howard University Global Initiative South Africa (HUGISA) in Pretoria, South Africa (**4 students**)
- University of the West Indies (UWI) in Kingston, Jamaica, (**2 students**)
- University of Cape Coast (UCC) in Cape Coast, Ghana (**2 students**)
- Universidade Federal de Santa Catarina (UFSC) in Santa Catarina, Brazil (**2 students**)

PACE continued its mission to provide structured, reciprocal international pharmacy training opportunities, which included mentoring and hands-on practice experience, for the purpose of positively impacting direct patient care and clinical outcomes both locally and globally. Our vision is to be a leader in international pharmacy initiatives, exemplifying the value and importance of teaching culturally competent care in pharmacy practice. Our goal is to send all HUCOP student pharmacists on at least one (1) International experience while they are in pharmacy school.



International Rotation in Brazil



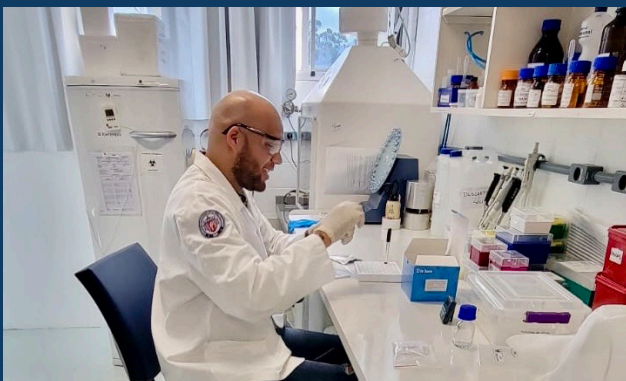
International Rotation in Jamaica



International Rotation in Ethiopia



International Rotation in Jamaica



International Rotation in Brazil



International Rotation in South Africa

FUTURE OF PHARMACY

AT HOWARD UNIVERSITY COLLEGE OF PHARMACY



SHAPING THE FUTURE OF PHARMACISTS AT HUCOP

At Howard University College of Pharmacy (HUCOP), the impact on the field of pharmacy is both deep and far-reaching, driven by a commitment to developing well-rounded, highly skilled pharmacists. Established in 1868, with its first Doctor of Pharmacy graduate in 1870, HUCOP has remained at the forefront of pharmaceutical education, innovation, and service—equipping generations of diverse and compassionate leaders who continue to transform healthcare locally and globally. Providing a pharmaceutical education of the highest quality for over 150 years, HUCOP has long excelled in teaching, learning, research, and community service.

Today, the College continues to evolve, preparing students to meet the demands of an ever-changing healthcare landscape. With a focus on excellence and adaptability, HUCOP recently launched its application for an Online Doctor of Pharmacy (Pharm.D.) Pathway,

“HOWARD UNIVERSITY COLLEGE OF PHARMACY IS TAKING THE NEXT STEPS TO ESTABLISH A FOUNDATION FOR ADVANCEMENTS”

expanding access to the “Howard University Experience” for students across the nation. This pathway ensures that students receive the same high-quality education, mentorship, and global/local rotation opportunities as their on-campus peers.

In addition to expanding access, HUCOP is also expanding possibilities. Beginning in Spring 2026, the College introduced new specialty tracks within the Pharm.D. curriculum, giving students the opportunity to tailor their studies and build expertise in emerging areas of pharmacy. The tracks include:

- Entrepreneurship & Leadership
- Data Science & Analytics
- Pharmaceutical Industry

These innovative pathways are designed to help students understand and apply

advancements in pharmacy, from the role of artificial intelligence in drug development to groundbreaking research in treatment and patient care. Additionally, the pathways prepare students to develop proficiency in business and entrepreneurial practices, machine learning, and the legal and policy frameworks shaping the pharmacy profession.

Howard University College of Pharmacy remains dedicated to creating opportunities that prepare students for impactful careers, ensuring they graduate ready to lead, innovate, and transform patient outcomes. Here, students not only learn the science of medicine but also embrace the responsibility of shaping the future of healthcare.

Because at HUCOP,
“When we C.A.R.E., we EXCEL!”





FOUR YEARS OF EXCELLENCE

CLASS OF 2025

This year, we proudly celebrated the Class of 2025, reflecting on the four transformative years they spent at Howard University College of Pharmacy.

Their journey began in 2021, just one year after the global pandemic reshaped healthcare and reaffirmed the vital role

of pharmacists in society. For many students, this moment reignited their purpose, reminding them why they chose to pursue a career in pharmacy. They were called to serve, to protect, and to heal.

From the very start, beginning with their White Coat Ceremony in



Fall 2021, this class demonstrated remarkable resilience, compassion, and dedication. Along the way, they formed lasting friendships and meaningful connections with peers, faculty, and staff, becoming an integral part of the HUCOP Pharmily. Through shared challenges and countless memories, they built a foundation that will support them well into their future careers.

Now, as they officially step into their roles as Doctors of Pharmacy, we celebrate their accomplishments and the commitment that brought them to this moment. Their journey is just beginning, and we have no doubt they will continue to make an impact, far beyond what they imagined in 2021.

Congratulations to the Class of 2025!





Class of 2025 Doctor of Pharmacy Non-Traditional Pathway



Class of 2025, Odinaka Oranekwu Shares Speech



Class of 2025 Courageous Leadership Group Recognition Award Winners



STUDENT HIGHLIGHTS

CELEBRATING HOWARD UNIVERSITY COLLEGE OF PHARMACY STUDENT ACHIEVEMENTS

The students of Howard University College of Pharmacy continue to shape the future of pharmacy in remarkable ways, and their impact only grows each year. We take great pride in pausing to reflect on their achievements, and this year is no exception. Below is a snapshot of the incredible work our students have accomplished over the past year.

As technology continues to advance, we are beginning to see the growing influence of artificial intelligence in shaping the future of pharmaceutical practice. Many of our students are exploring and drawing inspiration from the innovative ways AI can support research, development, and patient care in the field.



ARTIFICIAL INTELLIGENCE ADVANCEMENTS



Heather A. Noriega, MS Pharmacology, Ph.D. candidate for Pharmaceutical Science at Howard University College of Pharmacy. The solo author of an article recognized as the cover in the January 2025 edition of AAPS Newsmagazine. The AAPS is a nationally recognized organization known “to advance the capacity of pharmaceutical scientists to develop products and therapies that improve global health.”

Her research focuses on artificial intelligence and its possibilities to help the future of medicine by creating faster, cheaper, and more efficient drug discoveries and developments.

AMERICAN ASSOCIATION OF COLLEGES OF PHARMACY RESEARCH SHOWCASE



Eduardo Han, is one of the 2025 Howard University College of Pharmacy graduates. He had the honor of being selected as one of ten presenters for the American Association of Colleges of Pharmacy (AACP) Second Annual PharmD Research Showcase on April 1, 2025.

Dr. Han’s presentation explores his research on the reliability of AI chatbots and large language models in pharmacy education. As this technology continues to evolve, we may begin to see its growing influence on how pharmacy is taught and learned.



EXPANDING OPPORTUNITY: THE LAUNCH OF THE PHARMACY TECHNICIAN PROGRAM

In Fall 2024, the Howard University College of Pharmacy, in partnership with the District of Columbia Department of Employment Services (DOES) launched the Pharmacy Technician Program to address the growing shortage of pharmacy technicians in DC. This initiative provided funding for qualified D.C. residents to complete a board-approved training program, preparing them to sit for certification exams and

begin careers in diverse pharmacy settings.

Pharmacy technicians play a vital role in healthcare. They support pharmacists by preparing and dispensing medications, managing inventory, and assisting patients in settings such as retail pharmacies, hospitals, and long-term care facilities. With the job market for pharmacy technicians

projected to grow 7% between 2023 and 2033, HUCOP in partnership with DOES recognize the urgent need to both meet workforce demands and create meaningful opportunities for the local community.

The program quickly proved to be both necessary and impactful. The Fall 2024 and Spring 2025 cohorts collectively enrolled a total of 46 participants. Because of this early success, the city extended funding for an additional two cohorts, including the third cohort set to launch in October 2025 with 25 students enrolled. Many participants advance into externships and receive job offers from their placement sites, evidence of the program's effectiveness in creating pathways to employment.

Behind the numbers are powerful stories of transformation. One participant, who initially struggled to complete the program, credits the support of faculty and mentors for helping her graduate, secure a job, and build a brighter future for herself and her newborn. Stories like hers demonstrate the life-changing impact of this program, not just for individual students, but for families and communities.

Howard University College of Pharmacy is proud to continue building on this momentum. By uplifting residents and equipping them with the tools to succeed, the College reaffirms its commitment to excellence in patient care, workforce development, and community empowerment.



Pharmacy Technician Certificate Ceremony 2025



Student Speech Pharmacy Technician Certificate Ceremony 2025







TEACHING IN EXCELLENCE FACULTY ACHIEVEMENTS

The faculty at Howard University College of Pharmacy continue to set the standard for excellence in teaching, research, leadership, and service. Their dedication not only shapes the academic and professional success of our students but also contributes to the advancement of the pharmacy profession on a national and global scale.

During the 2024–25 academic year, our faculty earned prestigious awards, secured competitive grants, published

groundbreaking research, and took on leadership roles within professional organizations. These accomplishments highlight their commitment to innovation, mentorship, and community impact.

At Howard University College of Pharmacy, we are proud to celebrate the achievements of our faculty and recognize the vital role they play in preparing the next generation of pharmacy leaders while driving progress across the field.



HUCOP Faculty & Staff Celebrating Milestones at 2025 C.A.R.E. Awards Ceremony



HUCOP Faculty at 2025 Oath and Awards Ceremony in front of Cramton Auditorium



PHARMACOTHERAPY FOR MINORS: PEDIATRIC DRUG DEVELOPMENT FROM GOOD INTENTIONS TO GLOBAL ABUSE?

As part of its annual Research Month, Howard University hosted a landmark event titled “Pharmacotherapy for Minors: Pediatric Drug Development from Good Intentions to Global Abuse?” Held on April 9, 2025, this interdisciplinary panel brought together leading voices in medicine, ethics, and pharmaceutical science to examine the challenges and opportunities in pediatric drug development, a field where innovation and risk often intersect.

The panel was moderated by Dr. Earl Ettienne, Associate Professor at Howard University College of Pharmacy, the discussion featured:

- Dr. Raquel R. Mura, Founder, RGM Life Sciences Consulting
- Dr. Evaristus Nwulia, Professor & Chair, Medical Institutional Review Board, Howard University
- Dr. Klaus Rose, CEO, Klausrose Consulting Pediatric Drug Development
- Dr. Andrea Hayes Dixon, M.D., FACS, FAAP, Dean at Howard University College of Medicine

Panelists explored the globalization of pediatric clinical trials, noting the expansion of research to low and middle income countries. While this trend increases capacity and diversity, it also raises concerns regarding ethical oversight, informed consent, and equity for vulnerable populations. The role of institutional review boards, including Howard’s board, highlighted as essential in ensuring fairness, scientific necessity, and the protection of children’s rights.

The discussion also addressed U.S. policies such as the Best Pharmaceuticals for Children Act and the Pediatric Research Equity Act, which incentivize pediatric studies but often steer research toward profitable conditions rather than the most pressing pediatric health needs. Encouraging models like the Pediatric Trials Network were cited as examples of transparent, community-driven research that prioritizes both science and equity.

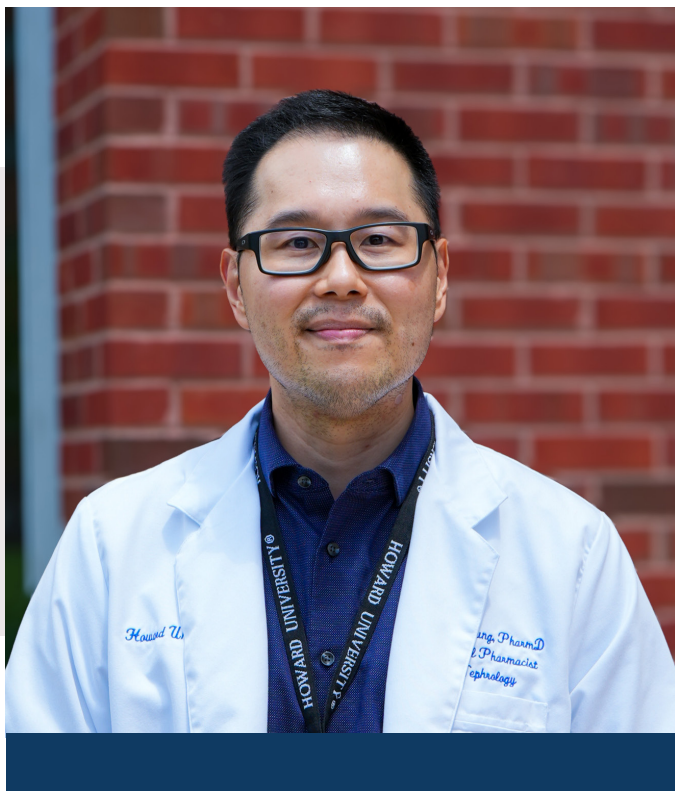
The panel concluded with a resounding message: progress in pediatric drug development must be matched with accountability, equity, and social justice. By championing these values, institutions like Howard University play a pivotal role in ensuring children worldwide benefit from safe, effective, and ethically sound treatments.



Panelist Sharing Insight



SCAN TO WATCH



HOWARD UNIVERSITY COLLEGE OF PHARMACY SPOTLIGHT DR. RUNG'S RESEARCH JOURNEY

Introducing one of the faculty members whose passion, innovation, and dedication helps make Howard University College of Pharmacy a standout institution. Meet Dr. Dhakrit Rungkitwattanakul, a valued member of the HUCOP Pharmily, whose commitment to pharmacy education and research continues to inspire both colleagues and students alike.

Dr. Rung, a graduate of the University of Maryland, launched his academic career shortly after completing his studies. He joined the College of Pharmacy in 2018 as Clinical Assistant Professor in the Clinical Educator Track, and through years of hard work and dedication, he was promoted to Associate Professor in 2023. His journey

is far from over, it's only just beginning.

Over the years, Dr. Rung has developed a deep understanding of the many ways pharmacy can impact patient care. For the past two years, he has balanced his time between mentoring students at the College and working directly with patients at Howard University Hospital. His research centers on kidney disease, specifically identifying patients at risk and tracking biomarkers that can signal early signs of medication-associated acute kidney injury (AKI).

Dr. Rung's work has not gone unnoticed. For the past two years, he has been honored with the C.A.R.E Faculty Recognition award at the College of Pharmacy. Most recently, he was

selected as the sole recipient of the \$50,000 Optimizing Technology Solutions Innovation Grant from the American Society of Health-System Pharmacists (ASHP) Foundation. His funded project, titled “Leveraging Clinical Decision Support System and Kidney Stress Biomarkers to Prevent Hospital-Acquired Acute Kidney Injury in High-Risk Populations,” reflects his commitment to innovation in patient-centered care.

In addition to national recognition, Dr. Rung was celebrated at the Howard University Office of Research Excellence in Innovation and Academic Achievement Awards, where he received the 2025 Up and Coming Researcher of the Year award, further affirming his influence as both a researcher and educator.

When asked what excites him most about the year ahead, Dr. Rung shared his enthusiasm for continuing his research on acute kidney disease and preventative interventions. His hands-on work with patients reinforces his belief that, with proper care and innovative treatment strategies, the progression of kidney disease can be delayed or even prevented.

Beyond research, Dr. Rung is deeply passionate about education. He finds joy in watching students grow from their first days in pharmacy school to the moment they cross the graduation stage. “The reward of this journey as a teacher,” he says, “is to see my students at the finish line. Not everyone makes it, but when you do, you’ll be amazed by the opportunities that lie ahead.”

He openly shares that his path wasn’t without rejection. “I heard ‘no’ many times before I got my ‘yes.’ But each ‘no’ motivated me to push

harder, learn more, and stay focused.”

As a practicing pharmacist, his patient interactions continue to fuel his determination to discover better care methods and improve health outcomes among kidney disease patients. Dr. Rung’s journey is a powerful reminder of the impact one person can make in pharmacy and all the lives that can be changed along the way.

His advice to students interested in research:

“Read. You must read and learn as much as you can. If you want to create something innovative, you need to understand what’s already been done.”

To those considering pharmacy school, Dr. Rung offers this guidance:

“Stay curious. Get hands-on experience and enjoy every moment of the learning process. Either you win, or you learn (never lose).”



TEACHER OF THE YEAR

SALOME WEAVER



Dr. Salome Weaver was recognized with the Teacher of the Year award for her exceptional dedication to educating and mentoring the next generation of pharmacists. Beyond her classroom excellence, she has been a strong advocate for advancing the profession through leadership, mentorship, and service. Her commitment to student success and her passion for shaping inclusive, high-quality pharmacy practice have left a lasting impact on both her students and colleagues. We are deeply grateful for Dr. Weaver's contributions, and her example continues to inspire future healthcare leaders.

EXCELLENCE IN TEACHING AWARD RECIPIENTS



Ebony Evans, Pharm.D.
Clinical Assistant Professor



Earl Ettienne, BSc Pharm,
MBA, LP.D., R.Ph.
*Assistant Dean of Graduate Program
and Industry Partnerships*



Padmamalini Baskaran,
Ph.D.
*Assistant Professor of
Pharmacology*



Adaku Ofoegbu, Pharm.D.,
Ph.D.
Assistant Professor



Simeon Adesina, R.Ph.,
Ph.D.
Associate Professor



Amusa Adebayo, Ph.D.
Associate Professor

HOWARD UNIVERSITY EXCELLENCE IN INNOVATION AND ACADEMIC ACHIEVEMENT AWARDS



Howard University Excellence in Innovation and Academic Achievement Awards Ceremony

ACADEMIC EXCELLENCE AND INNOVATION

On Wednesday, April 30th, 2025 Howard University hosted the 1st Annual Excellence in Innovation and Academic Achievement Awards Ceremony in celebration of Research Month. Three faculty members of the College of Pharmacy received awards for their continued dedication to research and academic excellence!



Senior Researcher of the Year

Dr. Bisrat Hailemeskel, B.Pharm, MSc, Pharm.D., RPh

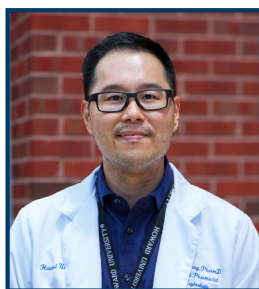
*Professor and Vice Chair, Co-Director for International Grants
Clinical and Administrative Pharmacy Sciences*



Faculty Innovation and Invention

Dr. Simeon Adesina, R.Ph., Ph.D.

Associate Professor of Department of Pharmaceutical Sciences



Up and Coming Researcher of the Year

Dr. Dhakrit Rungkitwattanakul, Pharm.D., BCPS, FNKF

Associate Professor



INNOVATIONS IN PHARMACY TRAINING AND PRACTICE TO ADVANCE PATIENT CARE: A NATIONAL WORKSHOP

In May 2025, the National Academies of Sciences, Engineering, and Medicine (NASEM) hosted a pivotal workshop titled Innovations in Pharmacy Training and Practice to Advance Patient Care. The event brought together national leaders in pharmacy and healthcare to discuss the evolving role of pharmacists, address workforce challenges, and reimagine the future of pharmacy education and practice. Among the distinguished participants was Dean Ranti Akiyode of

Howard University College of Pharmacy, who contributed her insights on advancing equity and excellence in the profession. She also is a key member of the planning committee.

This two-day workshop focused on critical topics such as addressing clinical burnout, reducing pharmacy deserts, expanding the pharmacy workforce, and modernizing pharmacy training to meet the needs of a rapidly changing healthcare landscape.

The National Academies of Sciences, Engineering, and Medicine is a respected institution that brings together experts across disciplines to advise the nation on pressing issues. Through evidence-based research, workshops, and collaborative initiatives, NASEM supports innovation that serves the public good. Each academy (Sciences, Engineering, and Medicine) brings a unique perspective and mission, but all work together to shape policy and practice through science-backed recommendations.

The workshop featured thought leaders in pharmacy education who examined how collaborative care environments can support both pharmacists and patients. Key discussions included:

- Strategies to eliminate pharmacy deserts through better recruitment, training programs, and community engagement
- Expanding access to affordable education pathways, including increased financial support and potential reductions in education length
- Creating easier, more inclusive entry points into pharmacy education, including paid internships and pathway programs that promote work-life balance
- Exploring the role of government support in sustaining vital pharmacy services and programs
- Reimagining the future of pharmacy practice to align with evolving patient needs and care delivery models

As healthcare systems evolve, the pharmacy profession continues to expand. The workshop emphasized that the next generation of pharmacy education and practice may look very different from the past, but that change brings opportunity. These conversations are vital to creating sustainable, equitable, and impactful solutions for the future of pharmacy.

This workshop marks the beginning of broader, ongoing efforts led by NASEM to transform pharmacy practice into a service of patient care. The call to action is clear, the future of pharmacy is collaborative, innovative, and inclusive, there are many ways for educators, students, and professionals to get involved.



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73. Vordenberg, S, Fusco, N, Ward, K, Darley, A, Brady, J, Culhane, N, Habib, M.J., Hernandez, E, Moye, P, Munusamy, S, Painter, J, Pope, N, Stevenson, L., Vanderboll, K, Chase, P and Matsumoto, R. "An Integrative Review of Micro-credentials and Digital Badges for Pharmacy Educators" *American journal of Pharmaceutical Education*, 88 (3) 100660, 2024.
74. Xu, J-X.; Ye, X-Y.; Lv, Z-C; Chen, Y-H*; Wang, X. S.* The role of base in reaction performance of photochemical synthesis of thiazoles: An integrated theoretical and experimental study. *Chemistry - A European Journal* 2024; [doi: 10.1002/chem.202304279](https://doi.org/10.1002/chem.202304279)
- Annual Meeting, Pharmacy Education 2025. Chicago, IL. July 19, 2025, to July 22, 2025
3. Adekiya TA, Kwabi-Addo B. Unraveling the oncogenic role of pdx1 in prostate cancer. RCMI National Conference 2025. Hyatt Regency, Bethesda, MD. March 16 - 19, 2025
 4. Adekiya TA, Kwabi-Addo B. Resolving the Metabolic and Oncogenic Role of PDX1 in Prostate Cancer: Insights from Gene Modulation and Glucose Titration Studies. CPDR Scientific Retreat. Henry M Jackson Foundation for the Advancement of Military Medicine 6720A Rockledge Drive, Bethesda, MD. April 17, 2025
 5. Adekiya TA, Kwabi-Addo B. PDX1 Knock-down Modulates Breast Cancer Proliferation and Drug Sensitivity: Insights into Paclitaxel and Doxorubicin Response Mechanisms. Howard University Research Symposium 2025, at Ballroom of the Armour J. Blackburn University Center, Howard University, Washington, DC. April 24 - 25, 2025
 6. Adesina, Simeon K. and Perpetue Bataille Backer. Targeted Peptide Dual Drug Conjugate for the Treatment of Glioblastoma. American Association of Pharmaceutical Scientists 2024 PharmSci 360. Salt Palace Convention Center, Salt Lake City, UT. October 20-23, 2024
 7. Adesina, Simeon K. and Omotola Ogundipe. Gemcitabine/Doxorubicin-Combination Polymer-Drug Conjugate Synthesized by SPAAC Click Chemistry: Characterization and Evaluation in OVCAR-3 Ovarian Cancer Cells. American Association of Pharmaceutical Scientists 2024 PharmSci 360. Salt Palace Convention Center, Salt Lake City, UT. October 20-23, 2024
 8. Adesina, Simeon K. Olamide Olatunji, Allan Ajuk. Impact of Polymer Molecular Weight on Nanoparticle Size and Size Distribution. Howard University Research Symposium 2025, Ballroom of the Armour J. Blackburn University Center at Howard

POSTER AND PODIUM PRESENTATIONS

1. Adaku Ofoegbu; Rakchhya Uprety ; Rashidat Elesho; Faith Ogini ; Katrina Sookraj; Earl B. Ettienne, Edwin C. Chapman The Impact of Discordant Health Insurance Policies on Health Care Provider Reimbursement for Opioid use Disorder Treatment
2. Adebayo, Amusa S., Agbaje, K. Adesina, S. K. Biorelevant Dissolution Profiles Of An Optimized Dual-Drug Niosome For Passive Targeting To Colorectal Cancer", 2025 AACP,

University, Washington, DC. April 25, 2025

9. Agbaje, K. & Adebayo, A. (T1030-07-41) A Targeted Drug Delivery System for the Treatment of Colorectal Cancer, American Association of Pharmaceutical Scientists (AAPS). AAPS 2025 PharmSci 360, Henry B. Gonzalez Convention Center, San Antonio, TX. November 9-12, 2025
10. Agbaje, K.O. and Adebayo, A.S.. Formulation and Optimization of a Niosomal Drug Delivery System for the Treatment of Colorectal cancer. 21st Annual Yale Virtual Bouchet Conference on Diversity and Graduate Education, Yale University, Yale Graduate School of Arts and Sciences campus, New Haven, CT. April 4-5, 2025
11. Agbaje, K.O. and Adebayo, A.S. Formulation of a Niosomal Drug Delivery System for the Treatment of Colorectal Cancer. Armour J. Blackburn Center, Friday, Washington DC. April 25, 2025
12. Akiyode, O, Lyons, J, Nonyel, N, Habib, M, Jorden, J, Adesina, S.K., Williams, S, and Turner, M. "Leveraging Howard University's Local Government Partnerships to Implement a Pharmacy Technician Program for Underserved Communities". AACP Annual Meeting, Chicago, IL. July 2025
13. Akinrinsola O*, Takyi R*, Rebold N, Daftary MN, Awuonda M. Evaluating the utilization of antiretroviral therapy (ART) in critically ill patients living with HIV/AIDS (PLWHA) admitted to the intensive care unit (ICU) in the post pandemic era. Poster presentation American Society of Health Systems Pharmacists Meeting ASHP Midyear Clinical Meeting and Exhibition, New Orleans, LA. December 8-12, 2024
14. Akpede C, Johnson B, Rungkitwattanakul D, Assessing and enhancing adherence to the 2012 KDIGO Acute Kidney Injury (AKI) guidelines in African American patients with AKI at Howard University Hospital. Poster presentation at American Society of Health Systems Pharmacists Meeting ASHP Midyear Clinical Meeting and Exhibition, New Orleans, LA
15. Alzaid, N.; Wang, X. S. Exploring Large Language Models for text-based molecular design using in-context learning. Howard University Research Symposium 2025. Washington, DC. April 2025
16. Alzahri, H.; Wang, X. S. Designing of focused libraries for Glucagon-like peptide-1 generative AI models: Fine-tuning a GPT-3.5 turbo for rule of five compliant SMILES notations. Howard University Research Symposium 2025. Washington, DC. April 2025
17. Asadi A, Obidiro O, Elesho R, Kafilat A, Kochakzade M, Karla PK. Recent advances and FDA approvals in nanoformulations for drug delivery. J Nanomed Nanotechnol Res. 2025;27(1):12-25.
18. Ayuk Patricia Bessem Evolving Landscape of Biologics and Biosimilars: Pharmacists as game changers Washington Metro Society of Health System Pharmacists (WMSHP) Continuing Education (CE). November 2024
19. Baskaran, P (Presenter), 2024 Obesity Week – The Obesity Society Annual Meeting, "TRPV1- Activation Enhances Exercise Endurance in Obese Mice via PRDM-16", San Antonio, TX. November 03 – 06, 2024
20. Battogtokh, G and Akala, E.O. (128).2024 FDA Cannabis Products and the Potential Impact on Patients. October 29, 2024
21. Brown J*, Hennessee M*, Daftary MN, Gas-melseed H, Awuonda M. Awareness and acceptability of DoxyPEP among HBCU students. Poster presentation American Society of Health Systems Pharmacists Meeting ASHP Midyear Clinical Meeting and Exhibition, New Orleans, LA. December 8-12, 2024
22. Brown, R, Telawi, S, Cheung, T, Baskaran, P. "The Evolution of GLP-1: A Journey from Basic Science to Clinical Impact ". Research Symposium, Howard

23. Bryan A, Oranekwu O, Akinrinsola O, Takyi R, Rungkitwattanakul. Characteristics of Nephrotoxin Exposure Among Hospitalized African American Patients. Poster presentation at American Society of Health Systems Pharmacists Meeting ASHP Midyear Clinical Meeting and Exhibition, New Orleans, LA
24. Byers S*, Demery C*, Rich Z*, Winfield E, & Robinson K. Advocating for HPV vaccination access: Addressing healthcare disparities for African American women at Howard University. Poster presentation at American Society of Health Systems Pharmacists Meeting ASHP Midyear Clinical Meeting and Exhibition, New Orleans, LA. December 8-12, 2024
25. Byers S*, Demery C*, Rich Z*, Winfield E, Robinson R. Advocating for HPV Vaccination Access: Addressing Healthcare Disparities for African American Women at Howard University, Poster presentation American Society of Health Systems Pharmacists Meeting ASHP Midyear Clinical Meeting and Exhibition, New Orleans, LA. December 8-12, 2024
26. Chiehhsiong, C. (Co-author), Ameyaw, E. (Co-author and Advisor), Howard University Research Symposium. "Machine learning algorithms predicting cancer associated with diabetes and hypertension: NHANES 2021 to 2023," Howard University, Howard University, Washington, DC. April 24, 2025
27. Crentsil N*, Simmons D*, Daftary MN, Awuonda M. A Comparison of the ASCVD vs. PREVENT Calculators in Urban HIV-infected Affected Cohort. Poster presentation American Society of Health Systems Pharmacists Meeting ASHP Midyear Clinical Meeting and Exhibition, New Orleans, LA. December 8-12, 2024
28. Eduardo, H.; Wang, S. Exploring AI chatbot effectiveness in enhancing pharmacy education. Howard University Research Symposium 2025. Washington, DC. April. 2025
29. Eduardo, H.; Wang, S. Exploring AI chatbot effectiveness in enhancing pharmacy education. National Academies' workshop on Innovations in Pharmacy Training and Practice to Advance Patient Care. Washington, DC. May 2025
30. Eduardo, H.; Wang, S. Exploring Large Language Models effectiveness in enhancing pharmacy education. The Second Annual AACP PharmD Research Showcase. World Wide Web. April 2025
31. Emmanuel Oppong, PharmD, RPh1,4, Ifra Rehman, PharmD, MS2,3,4, Earl Ettienne, BSc.Pharm., MBA, LP.D1, Michael Toscani, PharmD2,3 Backing Up The Feed: Evaluating Feedback Opportunities on Corporate and Medical Information Websites among Pharmaceutical Companies. 1Howard University College of Pharmacy Pharmaceutical Industry Fellowship Program, 2Rutgers Institute for Pharmaceutical Industry Fellowships (RPIF), 3Ernest Mario School of Pharmacy (EMSOP), 4Pfizer Inc
32. Emmanuel Oppong, PharmD, RPh1,2 Earl Ettienne, BSc.Pharm., MBA, LP.D.1 Discovering Medical Information: Assessing Google Indexing of Scientific Response Documents among Medical Information Departments 1Howard University Pharmaceutical Industry Fellowship (HUPIF), 2Pfizer US Medical Information
33. Ettienne, Earl "It's in Our Genes: Genetics and the Future of Precision Medicine" Oral Presentation. Black Health Connect-Bridging Healthcare Communities Conference, Washington DC. June 2025
34. Evans E. New Considerations in Diabetes Management: The Role of Continuous Glucose Monitors & The Risk of Euglycemic Diabetic Ketoacidosis (eDKA). Podium CE presentation at American College of Clinical Pharmacy Conference. Phoenix, AZ. October 2024
35. Evans E. Preparing for Tomorrow Through Continuous Glucose Monitors. Podi-

- um presentation at National Pharmaceutical Association 2024 National Convention, Los Angeles, CA. August 2024
36. Evans, E. CGM Pharmacotherapy & Recent Updates in Diabetes Management. Presentation at Howard University College of Pharmacy Pharmacy License Renewal CE Program. Washington, DC. February 2024
 37. Hailemeskel, B. Natural Cosmetic Products. Presented at the Nutraceutical & Traditional Medicines for Public Health. Bahir Dar University, Ethiopia. April 2025
 38. Hailemeskel, Bisrat, Sisay Eskinder Ayalew, Chalkeba, Legese, Abay, Solomon Mequanente, and Engidawork, Ephrem. Doctor of Philosophy in Clinical Pharmacy: PhD program with Specialty track. Poster presented at ACCP 2024 Annual Virtual Conference. 2024
 39. Hailemeskel, B. and Ayuk, A. Psoriasis: An Overview, Herbal Remedies, and Healthcare Professional's Perspectives. American Public Health Association (APHA) Abstract #544881, Minneapolis, MN. 2024
 40. Hannahoe V, *Porselvame E, Nonyel NP. "Adherence to SCD Pain Management Protocol for Hospitalized Adults with Vaso-Occlusive Crisis at an Academic Medical Center." IRB Protocol #2024-1360 with Howard University. 03/22/2025 at APhA (American Pharmacist Association) 2025 Annual Meeting & Exposition. Nashville, TN.
 41. Harrison D, Wingate L, Daftary M, Ayuk Patricia. An Evaluation of the Effects of a Specialty Pharmacist Embedded into a Specialty Disease State Clinic on Patient Access and Outcomes. March 2025. Poster presentation at American Pharmacists Association Annual Meeting & Exposition, Nashville, TN, March 2025.
 42. Hayes, J. (Co-author), Ameyaw, E. (Co-author and Adviser), Andy, A. (Co-author), Howard University Research Symposium, "Leveraging Generative artificial Intelligence (AI) Large Language Models (LLMs) and Reinforcement Learning in Medicinal Chemistry Patent Review," Howard University, Washington, Washington, DC. April 25, 2025
 43. Ifra Rehman, PharmD, MS2,3,4, Emmanuel Oppong, PharmD, RPh1,4, Earl Ettienne, BSc.Pharm., MBA, LP.D1, Michael Toscani, PharmD2,3 Pharmaceutical Websites in Focus: Evaluating the Availability of Feedback Mechanisms in Pharmaceutical Industry, Superstore and Pharmacy Department Digital Platforms 1Howard University College of Pharmacy Pharmaceutical Industry Fellowship Program, 2Rutgers Institute for Pharmaceutical Industry Fellowships (RPIF) , 3Ernest Mario School of Pharmacy (EMSOP), 4Pfizer Inc.
 44. Jajua M*, Daftary MN, Awuonda M, Gasmelseed H. Oral COVID-19 Therapy Utilization in an Outpatient Urban Facility. Poster presentation American Society of Health Systems Pharmacists Meeting ASHP Midyear Clinical Meeting and Exhibition, New Orleans, LA. December 8-12, 2024.
 45. Karla, P, Habib, M., Karodeh, Y and Michael, M. "Developing HU-MÉTIS App to Improve Faculty Advising and Student Academic Experience", 2024 RCMI Consortium National Conference, Hyatt Regency Hotel in Bethesda, MD. April 29, 2024
 46. Katrina Sookraj, Rashidat Elesho, Faith Ogini, Rakchhya Uprety, La'Marcus T. Wingate, Natasha Brown, Adaku Ofoegbu, Earl B. Ettienne Howard University College of Pharmacy, Indiana University Northwest Effect of Relative Autonomy Index on Exercise in Black Women
 47. Leek B**, Nonyel N, Weaver SB, Wingate LT. Evaluating the Psychosocial Burden of Sickle Cell Disease in Acute Care Settings. Poster accepted at: 59th ASHP Midyear Clinical Meeting and Exhibition. New Orleans, LA. December 7 - 10, 2024

48. Liggins, A, Montague, T', and Hailemeskel, B. Efficacy of Herbal Remedies (Cocoa & Shea Butter, Vitamin E, Calendula Oils) in the Management of Stretch Marks and Student Survey. 2024 NPhA/SNPhA Convention held in Los Angeles, CA. 2024
49. Lowery J*, Daftary MN, Awuonda M. Comparison of Hypertension Management Guidelines Utilizing the National Ambulatory Medical Care Survey. Poster presentation American Society of Health Systems Pharmacists Meeting ASHP Midyear Clinical Meeting and Exhibition, New Orleans, LA. December 8-12, 2024.
50. Lyons, Jessica. Opioid Use Disorder: Responsible Opioid Prescribing and Effective Pain Management. Presentation at DC License Renewal Program, Washington, DC. February 2025
51. Mandala, B. and Akala, E.O: Nanotechnology Platform for Targeted Delivery of Taxane and Tyrosine Kinase Inhibitors for HER2-Positive Breast Cancer Therapy (Podium presentation: SuRE Biennial Conference '24, at NIH Campus in Bethesda, MD. July 23 - 24, 2024
52. Mncube-Barnes, F. (Co-author), Ameyaw, E. (Co-author), American Society for Nutrition, "Pre-pandemic Protein Intake: Analysis of the National Health and Nutrition Examination Survey, 2017–2020," Chicago, IL. July 2, 2024
53. Noriega, H. A.; Akala, E. O.; Wang, X. S. Optimizing PEGylated monoclonal antibodies for HER2-targeted nanoparticles using multiscale computational methods. Howard University Research Symposium 2025. Washington, DC. April 2025
54. Nonyel NP. "Social and Structural Determinants of Obesity in a New Era of Obesity Management." (Live CPE Credit: 1.0). Presented at the 2025 Biennial DC Pharmacy License Renewal CE Blitz through Howard University College of Pharmacy, Office of Continuing Professional Education. Washington, DC. February 08, 2025
55. Nonyel, NP. Amplifying Voices for Sickle Cell Disease Prevention & Advocacy. Presented to the Women's and Men's Wellness Summit at St. Paul AME Church through the Eastern Shore of Maryland Sickle Cell Disease Association. Salisbury, MD. November 23, 2024
56. Nonyel NP, Colmerauer J. "Medication Prescribing Safety & Error Prevention". Presented to HUH Medical Resident at Howard University Hospital, Washington, DC. October 28, 2024
57. Nonyel NP. "Therapeutic Advances in the Management of Sickle Cell Disease" (Live CPE Credits: 1.00/1.0; ACPE). Presented at National Pharmaceutical Association (NPhA) Annual National Convention, Los Angeles, CA. August 10, 2024
58. Obidiro, O., Battogtokh, G and Akala, E. Multifunctional Targeted Nanotechnology Platform for Triple Negative Breast Cancer Treatment (Poster presentation: SuRE Biennial Conference '24, at NIH Campus in Bethesda, MD. July 23 - 24, 2024
59. Olajubutu, O and Adesina, S.K. Innovative Combination Drug Therapy for Pancreatic Cancer Treatment. Howard University Research Symposium 2025, Ballroom of the Armour J. Blackburn University Center at Howard University, Washington, DC. April 25, 2025
60. Olajubutu, O and Adesina, S.K. Targeted Cell-Penetrating Peptide-Drug Conjugates for the Treatment of Pancreatic Cancer. American Association of Pharmaceutical Scientists 2024 PharmSci 360. Salt Palace Convention Center, Salt Lake City, UT. October 20 - 23, 2024
61. Oranekwu O, Bryan A, Quantifying nephrotoxin burden among hospitalized patients diagnosed with hospital-acquired acute kidney injury (HA-AKI) at an urban academic medical center. Poster presentation at American Society of Health Systems Pharmacists Meeting ASHP Midyear Clinical Meeting and Exhibition, New Orleans, LA

62. Oppong E*, Rehman Ifra*, Ettienne E, Toscani M. Backing Up The Feed: Evaluating Feedback Opportunities on Corporate and Medical Information Websites among Pharmaceutical Companies. Poster presentation American Society of Health Systems Pharmacists Meeting ASHP Midyear Clinical Meeting and Exhibition, New Orleans, LA, December 8 - 12, 2024
63. Pather I, Appointed Subject Matter Expert to participate in the US Science Advice and Guidance for Emergencies (SAGE) program. SAGE operates under the Readiness, Safety, and Security (RSS) Office within the DHS Directorate of Science and Technology. March 31, 2025
64. Pather I, Axios Breaking Barriers in Medicine: Policy and industry solutions to expand access to lower-cost medicines and reduce burdens for Americans in accessing the treatments they need. Invited roundtable participant. June 12, 2025
65. Pereira A*, Shelton A*, Daftary MN, Awounda. Knowledge and Perceptions of Washington DC Pharmacists on Online Access to Oral OTC Birth Control. Poster presentation American Society of Health Systems Pharmacists Meeting ASHP Midyear Clinical Meeting and Exhibition, New Orleans, LA. December 2024.
66. Rehab A A., Wingate, L, Weaver, S.B., Ameyaw, E.E., Adebayo, A. Exploring Factors Influencing Healthcare Access and Quality Among Arthritis Patients: An Analysis of the Medical Expenditure Panel Survey 2020" ISPOR Digital Conference. May 22 - June 24, 2024
67. Rungkitwattanakul D. Effect of Removing Race Coefficient from Glomerular Filtration Rate Estimating Equations on antidiabetics dosing and eligibility. Poster presentation at American Society of Health Systems Pharmacists Summer Meeting, Portland, OR
68. Rungkitwattanakul D, Equity in Kidney Care: Reducing Nephrotoxin Burden and Improving Acute Kidney Injury Outcomes. World Health CME, State University of New York Downstate (SUNY Downstate), Brooklyn, NY. June 2025
69. Rungkitwattanakul D, African American Kidney Health: Addressing Disparities in Care, Medicine Grand Round, Department of Medicine, Howard University College of Medicine. April 2025
70. Rungkitwattanakul D, From Outdated to Updated: Ending Cockcroft-Gault for Safer Dosing. Washington Metropolitan Society of Health-System Pharmacists (WMSHP) Virtual webinar, Home study (ACPE-accredited). April 2025
71. Rungkitwattanakul D, How to prevent nephrotoxin-associated AKI, Department of Medicine, Howard University College of Medicine. March 2025
72. Rungkitwattanakul D, HIV and Kidney Disease in African American Patients. MidAtlantic AIDS Education and Training Center (MAAETC). February 2025
73. Rungkitwattanakul D, Nephrotoxin burden, acute kidney injury, and nephrotoxin stewardship. District of Columbia College of Clinical Pharmacy (DC-CCP) CE Conference. October 2024
74. Rungkitwattanakul D, Kidney disease among African Americans: Recent updates and therapeutic advances, National Pharmaceutical Association (NPhA) Annual Convention (ACPE-accredited)
75. Weaver, S. Comprehensive Pain Strategies for Sickle Cell Disease. (Speaker) Pain Management Certificate Program by Massachusetts College of Pharmacy and Health Sciences. September 2024
76. Weaver S, Taylor J. Optimizing Opioid Prescribing for Chronic Pain in Sickle Cell Disease. (CME Speaker) DC Health. November 2024
77. Williams SP. APhA-ASP Policy in Action:

Interpretation Services. Podium presentation at the American Pharmacists Association (APhA) Annual Meeting and Exposition, Nashville, TN. March 2025

GRANTS

78. Williams SP. Student National Pharmaceutical Association (SNPhA) and Dose of Melanin Dress for Success Fashion Show at the National Pharmaceutical Association 2024 National Convention, Los Angeles, CA. August 2024

79. Winfield, E'Shay. The Pharmacist's Role In Increasing Access To Treatment for Opioid Use Disorder. Podium Continuing Education Presentation at NPhA Annual Convention, Los Angeles, CA. August 2024

80. Winfield, E'Shay: Bridging the Gap: The Role of Community Pharmacists in the HIV Care Continuum. Virtual Continuing Education Presentation via MidAtlantic Aids Education & Training Center. June 18, 2025

81. Yifter, N, King, A, Hassen, N, and Baskaran, P. "Spicing Up Medicine: A Comprehensive Survey of Capsaicin's Multifaceted Roles in Modern Medicine". Research Symposium, Howard University, April 2025

82. Zilles, J.C. and Akala, E.O. Howard University Research Symposium: Kojic Acid Dipalmitate-Loaded Nanoparticles: Development and Characterization, *Julia Capp Zilles and Emmanuel O. Akala Presented at the Howard University Research Month 2025 (Biological & Biomedical Sciences) held at the Howard University Armour J. Blackburn University Center, 2397 Sixth Street NW, Washington, DC. April 24, 2025

1. Akala, E.O. (PI) "Targeting Lymph Node and Spleen HIV Reservoirs for HIV Cure" has been funded (\$772,500) 3U54MD007597-3 3 S 4) 0 1 / 1 0 / 2 0 2 1 - 1 0 / 3 1 / 2 0 2 5

2. Akala, E.O. (PI) 1R16GM145483-01: "Multifunctional Nanotechnology Platform for Triple Negative Breast Cancer Treatment": (August 2022 to July 2026) \$618,000"

3. Akala, E. O. Project 2: (HU: PI) and Wilfred Ngwa Co-PI (Professor of Radiation Oncology and Molecular Radiation Sciences at The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins). Award Number 1U54CA295337-01 Howard - Hopkins Comprehensive Alliance in Cancer Research, Education, and Equity (H2CAREE). Multiple PI (MPI) in Project 2 "Development of Enhanced Radio-immunotherapy in Cancer Treatment approach For Pancreatic Cancer. Project/ Proposal Start and End Date: (01/10/2024-10/31/2028) Total Award Amount (including Indirect Costs): \$6,726,529 (Budget for Akala Laboratory at Howard University including Indirect Costs: \$ 915,680;

4. Ameyaw, E, Sponsor: National Cancer Institute (NIH), Organization: Howard University. Project Period: September 20, 2024 – Present. FY2025 Total Cost (Sub-Project): \$154,322. Center FY2025 Total Cost: \$1,340,544 (Direct: \$874,368; Indirect: \$466,176).

5. Awuonda MK (Co-PI), Kwagyan, Carter-Nolan, Ettienne E, Wingate LM, Daftary M, Mccants T, Unonu J. PHIT4DC Year 2 Renewal (\$ 8 million total Award for 5 years)

6. Baskaran, P. (PI) - "Analyses of expression and function of TRPV1 Thermogenic proteins in human fat", 2024-2025 RCMI Coordinating Center Clinical Research Pilot Projects Program, \$110,000. (April 2025 – April 2026)

7. Baskaran, P. (PI) - "Evaluation of once a day capsaicin", The Howard University (HU) Research Centers in Minority Institutions (RCMI) - 2024 Investigator Development Core research grants, \$140,000. (Jan 2025 – Jan 2027).
8. Burge L, Ameyaw E, Wingate L (Co-PI), Chaudhary V. ALLM-AHEAD NCATS Program. \$514,050.
9. Burge L, Ameyaw E, Wingate L (Co-PI), Chaudhary V. ALL of US Research Training Program. \$302,567.
10. Daftary M (Site PI), Overall program PI: Linda Frank, PhD – University of Pittsburgh. 7/1/2024 – 6/30/2025 – MidAtlantic AIDS Education and Training Center Howard University Regional Partner Site subcontract from University of Pittsburgh, Graduate School of Public Health - funded for \$351,219.
11. Hailemeskel, B. Visbiome Unrestricted Educational Grant: The Gut Microbiome & Probiotics in clinical practice. . 2024; FUNDED: Role: Principal Investigator; Amount: \$6,000.00
12. Nonyel, NP (PI), Harrison BW, Ameyaw EE, Wingate LT, *Akala EO, *Nekhai S. Optimizing Health Outcomes of Sickle Cell Disease Populations in Underserved Communities through Community-Based Participatory Research. Amount \$140,000. Howard University RCMI IDC Pilot Grant.
13. Rungkitwattanukul D (PI), Identifying barriers and facilitators to improve nephrotoxin management at historically black colleges and universities hospital. Awarded \$2,200, American College of Clinical Pharmacy- Adult Medicine PRN Seed grant
14. Rungkitwattanukul D, ASHP Foundation Grant Funding Awarded for Research on Early Detection of Drug-Induced Acute Kidney Injury for \$50,000.
15. Rungkitwattanukul D (PI), Pharmacokinetic

of cefepime for the treatment of peritonitis in automated peritoneal dialysis. Awarded \$5,000, Howard University College of Pharmacy Seed Grant

16. Wang, S. (PI) - "Artificial Intelligence Assisted Adeno-associated Virus (AAV) Capsid Design" AAVnerGene Inc. (Aug. 1, 2021 – Jul. 31, 2026) \$200,000

AWARDS

1. Adesina, Simeon K. Faculty Innovation and Invention Award Recipient: 2025 Howard University at the Inaugural Inspiring Academic Excellence & Innovation Awards Ceremony
2. Earl Ettiene, Cultivate Leadership Award, Young Black Pharma at the YBP Conference & Gala
3. Hailemeskel, B. Senior Researcher Award Recipient: 2025 Howard University at the Inaugural Inspiring Academic Excellence & Innovation Awards Ceremony
4. Hailemeskel, B. The Minority Pharmacy Entrepreneur (MPECrx) Legacy Award Recipient! 2024
5. Rungkitwattanukul D. Up and Coming Researcher of The Year Recipient: 2025 Howard University at the Inaugural Inspiring Academic Excellence & Innovation Awards Ceremony
6. Rungkitwattanukul D. Certificate of Recognition from the University of Pittsburgh School of Pharmacy, June 2025
7. Rungkitwattanukul D, C.A.R.E. Faculty Recognition Award – Howard University College of Pharmacy, May 2025
8. Weaver, Salome. Certificate of Recognition from the University of Pittsburgh School of Pharmacy: June 2025
9. Weaver, Salome, AACP Teacher of the Year 2024 – 2025





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HOWARD
UNIVERSITY

DEAR ALUMNI

I hope this message finds you well and filled with pride in your connection to the Howard University College of Pharmacy. As one of our distinguished alumni, you are an integral part of the College's enduring legacy of excellence, service, and leadership in the field of pharmacy.

Your accomplishments reflect the strength of the education and values instilled here at Howard, and your continued engagement ensures that our legacy remains strong for generations to come. We invite you to stay connected and involved in the life of the College in the following ways:

Stay Engaged: Reconnect with classmates, mentor current students, and share your professional experiences to inspire the next generation of Bison pharmacists.

Give Back: Your generosity, whether through scholarship support, program funding, or unrestricted gifts—directly enhances student success, research innovation, and community impact.

Join Us: Attend alumni events, homecoming celebrations, and College programs to celebrate our shared achievements and strengthen our community bonds.

Your continued participation and support help advance our mission to produce compassionate, skilled, and visionary pharmacy professionals committed to serving diverse communities.

On behalf of the Howard University College of Pharmacy, thank you for your ongoing commitment and for representing the excellence of our institution in all that you do. We look forward to reconnecting with you at upcoming events and celebrating the continued success of our Bison family.

Maria A. Clary, Pharm.D.

President

Howard University Pharmacy Alumni Association

hurxalumni@gmail.com



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