Please continue to support the College of Pharmacy. Our funding priorities for the coming year include: increased scholarship support for students, support of academic programs, and planning for a new building.

Please visit our website for additional information.

http://healthsciences.howard.edu/education/colleges/pharmacy.

Thank you!
Howard University College of Pharmacy strives to be a premier college in teaching, learning, practice, research, leadership, and service.

Consistent with the mission of Howard University, the mission of the College of Pharmacy 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 ethnically diverse minority students.
MESSAGE FROM THE DEAN

The College of Pharmacy had another successful academic year in 2016 - 2017. It has been a busy year! Many thanks to our leaders, faculty, staff, and students for making this possible. I am honored to showcase the great work that our faculty, staff, and students have accomplished during the past year displayed in this report.

In our first 100 days of the school year we:
1. Assembled an entrepreneurship and innovation committee to explore ways to increase revenue into the Howard University College of Pharmacy.
2. Facilitated the revision of the college bylaws and adopted a vision statement with subsequent approval by the faculty.
3. Implemented strategies to increase enrollment - We have over 80 students enrolling for class of 2021.
4. Developed and executed systems for personnel and fiduciary accountability and began the process of preparing the college for an accreditation visit.
5. Submitted a balanced budget amidst a prescribed 4% budget cut.
7. Created and executed a mission driven budgeting tool for cost units.

Several faculty attended the AACP Holistic admissions, experiential, and assessment training. In addition, we completed a successful Board of visitors Meeting March, 2017 during which we reactivated the Dean’s Circle/Dean’s Society giving level, focused on strategies for a capital campaign to raise funds for a new building ($50M).

Our students were very successful at securing pharmacy internships with pharmaceutical industry acceptances doubling over the past year. They also continue to participate in research, clinical training, and community pharmacy initiatives to enhance the educational opportunities provided through the curriculum locally and globally. I have received feedback from professors and employers at conferences that the Howard College of Pharmacy students have demonstrated that they are prepared to withstand the various challenges of scare resources in the workplace by being creative. When prospective students visit the college, testimonies from our student ambassadors to them include opportunities for students to participate in international rotations in Ethiopia, Ghana, India, Qatar, South Africa, South Korea, Zambia, and other international sites continue to play a part in attracting them to enroll. Mostly they commend our students and indicate how positive and passionate they are about the program here. During our focused visit, I was extremely proud to hear ACPE site visit team say our students were “positive and articulate” they also added that our students played an “integral part” in the accreditation self-study process. We are raising leaders here at Howard University and I am honored to be in the presence of such talented faculty, staff, alumni, preceptors, and students while having the privilege of serving you as your dean.

Please feel free to stop by and visit. There is a lot going on at the College as you will see in the pages below. We look forward to your continued support.

Thank you for all you do to make Howard University College of Pharmacy proud!

Toyin Tofade, MS, Pharm.D., BCPS, CPCC
Dean and Professor
Follow me on Twitter @hurxdean
Facts & Statistics

Pharm.D. Program

TOTAL ENROLLMENT 300
GRADUATES (2017) 90
ENTERING CLASS (CLASS OF 2020) 46

Ph.D. Program

TOTAL NUMBER OF AWARDS 9
(3 foreign government scholarships, 2 Edward Bouchet Scholarships, 2 Graduate School Assistantship and 2 COP Teaching Assistantships; Full-time and Part-time)

TOTAL ENROLLMENT 14
GRADUATES (2017) 1
ENTERING CLASS 0

New Promotions

MARY MANENO-ASSOCIATE PROFESSOR
SIMEON ADESINA-ASSOCIATE PROFESSOR

Scholarships

(PHARM.D.) $129,999.99 OF NIH GRANT AWARDED
TOTAL NUMBER OF SCHOLARSHIP STUDENTS (PHARM.D. & NTDP) 29

Academic Training

POSTDOCTORAL FELLOWS 5

Faculty

FULL TIME 29
PART TIME 2
PRECEPTOR FACULTY 400

Staff

TOTAL NUMBER OF STAFF 21

Grant Productivity College of Pharmacy
Student accomplishments (Awards)

ADOM EXCELLENCE AWARD I
Nebil Mohammed

ADOM EXCELLENCE AWARD II
Nikeshia Dunkelly-Allen

ADOM EXCELLENCE AWARD III
Sara Bekele

APHA ACADEMY OF STUDENT PHARMACIST (APHA-ASP) CHAPTER RECOGNITION AWARD
Jeremy McLemore

BLACK APOTHECARY AWARD
Annabelle Dorian

CENTER OF EXCELLENCE OUTSTANDING SENIOR AWARD
Extraordinary Service
*Chijoke Onejeme
Outstanding Service
1. Nikeshia Dunkelly Allen
2. Rut Beyene

CENTER OF EXCELLENCE OUTSTANDING SENIOR RESEARCHER AWARD
1. Christina Peterson
2. Yewande Dayo

COLLEGE OF PHARMACY FACULTY AWARD
Jateh Major

COURAGEOUS LEADERSHIP AWARD
Christina Peterson

COURAGEOUS LEADERSHIP GROUP RECOGNITION AWARD
Bisons Without Borders

DEAN CHAUNCEY I. COOPER MEMORIAL AWARD
Nikeshia Dunkelly Allen

DEAN’S LEADERSHIP AWARD
1. Ester Jan
2. Akalu Alemayehu
3. Ojo Abiola
4. Jorge Aguilera

DEAN WENDELL T. HILL, JR. MEMORIAL AWARD
Nebil Mohammed

DEPARTMENT OF PHARMACEUTICAL SCIENCE FACULTY AWARD
Sara Bekele

EXCELLENCE IN ANTIMICROBIAL THERAPY AWARD
1. Tolani Ishola
2. Nikeshia Dunkelly Allen

EXCELLENCE IN PUBLIC HEALTH PHARMACY PRACTICE AWARD – USPHS
Tolani Ishola

EXEMPLARY HIV ROTATION PERFORMANCE AWARD
Tolani Ishola

FACTS AND COMPARISONS AWARD OF EXCELLENCE IN CLINICAL COMMUNICATIONS
1. Christina Peterson
2. Nicole Catterlin

FLOYD L. WHITE AND NARENDRA J. SHAH MEMORIAL PHARMACEUTICS AWARD
Akalu, Alemayehu

GOING AGAINST THE GRAIN AWARD
Quanesha Holland

IRANIAN PHARMACEUTICAL ASSOCIATION AVICENNA AWARD
Nebil Mohammed

KAPPA PSI PHARMACEUTICAL FRATERNITY, INC. - DISTRICT OF COLUMBIA GRADUATE CHAPTER AWARD
Christina Peterson

MERCK AWARD
Sara Bekele

MOST IMPROVED PHARMACY STUDENT AWARD
Adnew Workneh

MYLAN EXCELLENCE IN PHARMACY AWARD
Rut Beyene

NATURAL MEDICINES COMPREHENSIVE DATABASE RECOGNITION AWARD
Nicole Catterlin

PROFESSIONALISM AWARD
Christine Tran

PHARMACEUTICAL HEALTH SERVICES RESEARCH AWARD
Yewande Dayo

PROFESSOR SAMUEL M. HEMAN-ACKAH MEMORIAL AWARD
Sara Bekele

TEVA PHARMACEUTICALS OUTSTANDING STUDENT AWARD
Nebil Mohammed

THEODORE B. ZALUCKY MEMORIAL PHARMACEUTICS AWARD
Nebil Mohammed

THEODORE B. ZALUCKY MEMORIAL PHARMACEUTICS AWARD
Nebil Mohammed

KENNETH SCOTT SCHOLARSHIP FUND
Sara Bekele

MALCOLM X PRESTIGIOUS AWARD
Abiola Ojo

AMERICAN SOCIETY OF CONSULTANT PHARMACY
Chijoke Onejeme

MEDICAL RESERVE CORP
Nwosu Onyekachi
Faculty Productivity

PUBLICATIONS


PRESENTATIONS


8. **Elekwachi, O., Wingate, L.T., and Clarke-Tasker, V.** An examination of the role of advertising and promotional labeling in adult immunization disparities. *FDA Science Forum. Silver Spring, MD (June 2017)*.


15. Tofade T. Paving your career path through targeted development Keynote Presentation to student body. *University of Cincinnati James Winkle College of Pharmacy*. (March 2017).


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**ABSTRACTS**

Keith A. Hecht, Southern Illinois University Edwardsville; Regan Healy, Roseman University of Health Sciences; Jingyang Fan, Southern Illinois University Edwardsville; Krishna Kumar, Howard University Washington DC, Development and Implementation of a Clinical Oncology Pharmacy Learning Module in India, AACP Annual Meeting, Pharmacy Education 2016 in Anaheim, CA.

Intensive workshop in Mysore, India provides clinical pharmacy preceptor training to multi-University Indian faculty. Elizabeth Sherman, Pharm.D., Mark Decerbo, Pharm.D., Krishna Kumar, PhD, MPS, William Wolowich, Pharm.D., Parthasarathi Gurumurthy, PhD, PG Dip Clin Pharm (Australia), Ponnusankar Sivasankaran, MPharm, PhD, Arun Kanniyappan Parthasarathy, MPharm, PhD, Suresh Bhojraj, MPharm, PhD, DSc, Pharmacotherapy Volume 36, Number 12, 2016, 298. (e279).

US faculty provide infectious disease training to doctor of pharmacy students and faculty at workshops in India. Elizabeth Sherman, Pharm.D., Miranda Nelson, Pharm.D., Krishna Kumar, PhD, MPS, Mark Decerbo, Pharm.D., Ponnusankar Sivasankaran, MPharm, PhD, Gopinath Chakka, MPharm, PhD, Suresh Bhojraj, MPharm, PhD, DSc, Arun Kanniyappan Parthasarathy, MPharm, PhD, Pharmacotherapy Volume 36, Number 12, 2016, 299, (e279-80).


Acute Aerobic Exercise Does Not Alter Heart Rate Variability During Mental Stress in Young Adult African Americans: Precious Ndukwe, Vernon Bond, Krishna Kumar, Howard University Research Symposium 2017, p. 168. (Winner most outstanding presentation in the area of translational and clinical sciences).


Ruth Kirschstein Auditorium, Natcher Conference Center (Building 45) NIH Main Campus, 9000 Rockville Pike Bethesda, MD 20892. Development of Antiretroviral Drugs-Loaded Nanoparticles Fabricated by Dispersion Polymerization for GALT Targetable Drug Delivery Systems.


Emmanuel O. Akala: Design of Biodegradable Nanoparticles Fabricated by Dispersion Polymerization for the Delivery of Bioactive Agents, February 17, 2017 at the Snowbird Symposium in honor of Jindrich Kopeck, Ph.D., D.Sc., Distinguished Professor of Pharmaceutics & Pharmaceutical Chemistry and Bioengineering, University of Utah on the occasion of his birthday. Professor Kopecek directed Professor’s Akala postdoctoral research work at the University of Utah, Salt Lake City.


*Ariyo O., Adedokun A., Daftary M., and Maneno M. Knowledge, Attitudes, and Readiness of Student Pharmacists About to Enter Practice Regarding Naloxone for Opioid Overdose Reversal.APhA2017 abstracts of contributed


Funded Grants

- **China Scholarship Council (CSC) of the Ministry of Education Special Programs to Training Regional Professional in West of China** (201408615090; Aug. 1, 2016 – Jul. 31, 2017) Role: U.S. Mentor (0% Effort) Total direct costs: $21,600 Project title: Drug Design for HDAC2 Inhibitor to Treat Alzheimer’s Disease (Simon Wang).

- **Gene-Physical Activity Interaction on Energy Expenditure in Obese African American Women** Principal Investigator(s): Vernon Bond, Jr; Latifa Jackson; Fatima Jackson; Krishna Kumar; Celia De Souza Batista. 2017-2018. RCMI (P3) Program (externally reviewed) $100,000.00 (Role: responsible for specific aim 2).


- **National Association of County and City Health Officials Agreement NACCHO** ($15,000) “Prepare DC - Pharmacists Promoting Community Resilience” Project: April 1, 2016 – July 31, 2016 Closeout Completed (October 2016).

- **NIH/NCI**: 1SC1CA199810-01 Akala (PI) 05/01/15-04/30/18: Title of Project: Novel Nanotechnology Platform for Breast Cancer Treatment ($1,132,500:00).


- **NWDP grant (National Workforce Diversity Program)**, 1 CPIMP151110-01-00. 8/16-Present- Director Toyin Tofade, Co-director Dr. Mary Maneno. Award amount $500,000 annually.

Honors and Awards

Hailemeskel B.
Fulbright Visiting Scholar 2016 – Current

Daftary MN.
2016 Cardinal GenerationRx Champions Award, October 2016, Washington DC Pharmacists Association

McCants T.
Reappointed to the District of Columbia Board of Pharmacy until March 2020. Has served on the Board of Pharmacy since 2006. Served as the Chair of Legislative and Regulations Subcommittee from 2007 through 2012. Served as a delegate for Washington, DC at the 2016 National conference for NABP.
ABOUT US

The HUCOP STEM and Healthcare Professions Pipeline programs include all programs supported through the Howard University Center of Excellence (COE) which is funded by the Health Resources and Service Administration (HRSA) from July 2000 and the Howard University National Workforce Diversity Pipeline (NWDP) Program funded through the Office of Minority Health within the Department of Health and Human Services (DHHS) since July 2015.

OUR TEAM

Program Director COE/NWDP
Dean Toyin Tofade

Program Co-Director COE/NWDP
Dr. Mary Maneno

Program Manager Center of Excellence
Mrs. Celia Williams-Fowlkes

Program Outreach Coordinator Center of Excellence
Ms. Veronica Bruce

Recruitment Coordinator
Ms. Terry Morris

COE/NWDP Faculty and Trainees
Dr. Simeon Adesina
Dr. Emmanuel Akala
Dr. Oluwaranti Akiyode
Dr. Matthew Boyd (Fellow)
Dr. Monika Daftary
Dr. Imbi Drame
Dr. Earl Ettienne
Dr. Amol Kulkarni
Dr. Yolanda Mckoy Beach

Dr. Beverly Mims
Dr. Erika Romeus
Dr. Jacquese Unonu
Dr. Salome Weaver
Dr. La'Marcus Wingate

Program Manager National Workforce Diversity (NWDP)
Ms. Tawanna Terry

Program Administrative Assistant/Outreach Coordinator National Workforce Diversity
Ms. Lawander McFarland

Database and IT Specialist
Mr. Jonathan Murphy

COE/NWDP Partnership Institutions/Sites
Eastern Senior High School
Prince George’s Community College
Friendship PCS
North Virginia Community College
Montgomery College
Alabama A & M University
Coppin State University
Eleanor Roosevelt High School
HD Cooke Elementary
Benjamin Banneker High School
Cardozo Senior High School
Howard University Pre-professional Educ. Program
Howard University Middle School
Morgan State University
Bell Multicultural Middle/Columbia Heights
Bowie State University
Friendly High School
Bowie High School
Charles Flowers High School
Girls Inc. of Washington DC
City Gate Community Center
Ambassador Horace G. Dawson Scholars Program
Andromeda Transcultural Clinic
La’Clinica Del Pueblo
McKinley Technical High School
MISSION STATEMENT
The mission of our pipeline programs is to deliver excellence, consistency, and continuity in the creation of educational opportunities and pathways for workforce diversification in STEM, and Healthcare related fields. This will be achieved through the implementation of a vital curriculum, academic support services, career pre-exposure, and a combination of practical experiences that will guide students’ pursuit of their career goals.

VISION STATEMENT
The HUCOP STEM and Healthcare feeder pipeline programs at Howard University strive to be the leading programs in developing diverse professionals within the STEM and healthcare fields. HUCOP programs envisions having a monumental impact on the national efforts to diversify the STEM and healthcare workforce. We will educate, empower, and expose parents, students, and other educators nationally for the purpose of facilitating student entry into STEM and healthcare professions.

PROGRAMS DESCRIPTIONS

High School Summer Enrichment Science Academy (HSSESA)
The High School Summer Enrichment Science Academy (HSSESA) is one of the many support programs offered through the COE to facilitate entry to any health professions program, but preferably Howard University’s Doctor of Pharmacy Program. The HSSESA is a six-week residential summer enrichment science academy for rising 11th and 12th grade high school students where they are exposed to undergraduate courses, an internship (at the Veterans Affairs and Howard University Hospitals), and the various health professions career paths available at Howard University.

Junior Under Represented Minorities (URM) Program
The Junior URM Mentoring Program (JUMP) is one of the many support programs offered through the NWDP to serve as a diversity pipeline in healthcare and STEM careers. The JUMP program is a one-week summer enrichment program for rising 9th and 10th grade high school students.

Pharmacy and Pre-Professional Tutorial Programs
The COE also offers year round tutorials to interested students in elementary, middle, high, undergraduate and professional schools.

Health Occupational Program
The Health Occupational Program (HOP) is one of many support programs offered through the NWDP to serve as a diversity pipeline in healthcare careers. HOP is a sixteen week program for rising 9th grade high school students who have a specific interest in health professions. Students in this program meet throughout the academic school year for a career lecture series which includes hands-on activities to engage them in respective health careers.

STEM Career Intervention Program
The STEM Career Intervention Program (SCIP) is a sixteen week program for rising 10th grade high school students who have a specific interest in professions within science, technology, engineering, and mathematics (non healthcare related). Students in this program will meet twice per month for a career lecture series which includes hands-on activities to engage them in respective STEM careers.
Advanced College Summer Enrichment Program (ACSEP) Tier 1
ACSEP Tier 1 through the NWDP is designed to introduce interested college freshman and sophomore students to the expectations of the healthcare and STEM fields. The program curriculum includes a five-day academic schedule that exposes students to pre-requisite classes that are required for a major in the health care and/or STEM professions. Required workshops and research projects allow students direct hands-on exposure.

Advanced College Summer Enrichment Program (ACSEP) Tier 2
The Advanced College Summer Enrichment Program (ACSEP) Tier 2 is another support program offered through the COE to facilitate entry to any health professions program, but preferably Howard University’s Doctor of Pharmacy Program. ACSEP Tier 2 is a five-week summer enrichment program for undergraduate level students who have completed at least sixty credit hours in an accredited college or university. The first four weeks of the program consist of didactic classes in Organic Chemistry, Anatomy/Physiology, Biochemistry, Microbiology, Calculus, Medical Terminology, and English. Students are taught real world professionalism behaviors to mimic pharmacy, medical, nursing and Dental School curriculums. The 5th week of the program, participants are exposed to research methods, and they learn about the relationship between researchers and clinicians and their impacts on one another.

Pharmacotherapy Preview Program
The Pharmacotherapy Preview (P3) Program offered through the COE to meet the needs of current Howard University Student Pharmacists. The P3 Program is proposed to prepare rising second year students for the pharmacology and pharmacokinetics component of the curriculum. This twelve-week component (during the summer prior to the second academic year) will be offered online only to all rising second year students, through the COE and Blackboard website, and will utilize AccessPharmacy®, You Tube, Survey Monkey, Tegrity and ExamSoft. Students will receive preparation guidelines, and a structured introductory module including weekly assignments, textbook readings, online chat room discussions, and online assessment. Course materials will focus on Integrated Therapeutics I & Integrated Therapeutics II (Pathophysiology, Pharmacotherapy, Pharmacology and Dispensing).

Faculty Student Research Program (FSR)
The COE Faculty/Student Research Program is designed to increase the active engagement of professional pharmacy students in research projects along with faculty/research mentors who are conducting research which have a focus on minority health issues.

Pharmacy Biomedical Preview Program (PBP)
The Pharmacy Biomedical Preview (PBP) Program offered through the COE to meet the needs of Howard University Student Pharmacists. The PBP Program is a five-week on-site non-stipend enrichment activity. The purpose of the PBP Program is to provide students with an early academic experience in pharmacy school while improving the on-time graduation rate of Pharm.D. Candidates. This PBP Program is designed to offer a jumpstart to students in Pharmaceutical Calculations, Structures and Functions in Therapeutics (Anatomy/Physiology), and Applied Biomedical Sciences (Biochemistry/Microbiology) while providing first year student pharmacists with an opportunity to prepare, organize and assimilate new scientific knowledge.

Standardized Testing Preparation Programs
HUCOP through the support of the COE provides preparation for key standardized tests including the SAT, ACT, the Pharmacy College Admission Test (PCAT), and the (North American Pharmacist Licensure Examination (NAPLEX).
• The COE leadership, staff, and faculty successfully hosted a site visit by HRSA the Health Resources and Services Administration (HRSA) Division of Health Careers & Financial Support Personnel July 2016 where we showcased all program activities as a representative of COE programming around the country.

• The NWDP/COE pipeline academic enrichment programs have served 117 this past fiscal year and over 1000 students (90% under represented minority) now engaged post program’s initiation.

• COE/NWDP leadership and faculty including Dr. Maneno, Dr. Ettienne, Dr. Mims, and Dr. Wingate successfully facilitated the development of our National STEM and Health Care Pipeline Resource center. (launch set for Fall 2017).

• Collaborative partnership between the NWDP pipeline program and the College of Pharmacy alumni association continued this fiscal year which led to receipt of funding for workshop enhancements and meal support for the JUMP program.

• Mrs. Celia Williams-Fowlkes was a Webinar Presenter for the COE Quarterly Meeting on February 16, 2016 and a Workshop Speaker at the 2016 AACP Annual Conference on July 23, 2016 where the PBP Program was showcased as a model pipeline program to facilitate entry through the leadership efforts of Mrs. Williams-Fowlkes the HUCOP pipeline programs collaborated to expand STEM pipeline programming in the College of Engineering through successful receipt of $45,000 in grant funding from the Army Education Outreach Program.

• Through the leadership outreach efforts of Ms. Veronica Bruce, the Howard County Library HiTech Program collaborated to visit the College and for the last 2 years hosted an exchange program of Japanese students affiliated with Eleanor Roosevelt High School’s Science and Technology Program.

• The COE and NWDP pipeline programs have continued partnerships with 16 institutions including. This fiscal year Flowers High School, Ambassador Horace G. Dawon Scholars Program and Girls Inc. were engaged as new partners.

• Through the leadership efforts of Ms. Tawanna Terry, the HUCOP pipeline programs hosted the first inaugural internal pipeline meet and greet across campus. Participants included the SHPEP program, Girls Inc., Upward Bound, and HU-School of Business.

• Through the leadership efforts of Ms. Lawander Mcfarland, the first “Passing the Bison series”, where outgoing P4 students gave a mentoring session for the HOP/SCIP students was successfully conducted.

• Through the leadership efforts of COE/NWDP Clinical faculty Dr. Beverly Mims, Dr. Jacquiese Unonu, Dr. Imbi Drame, and Dr. Salome Weaver, at the Simulation Center will formally offer live-simulation and clinical skills activities for our summer academic enrichment programs.
The COE faculty-student research activities have expanded significantly and continued to provide research opportunities for pharmacy and graduate students in the program. Key faculty who have supported the program have been engaged in pharmaceutical sciences, health outcomes, health services research, and supported research has been presented at national meetings including APhA, ASHP, as well as the Howard University “Research Day”. Topics and faculty student pairs for the academic year of 2016-2017 are shown below:

<table>
<thead>
<tr>
<th>TOPIC</th>
<th>FACULTY</th>
<th>STUDENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Predicting Academic Success of Pharmacy Students using Admission Data at the Howard University College of Pharmacy</td>
<td>Dr. La’Marcus Wingate</td>
<td>Kirsten Bazemore</td>
</tr>
<tr>
<td>Opdivo (Nivolumab): A Cost Effectiveness Analysis</td>
<td>Dr. La’Marcus Wingate</td>
<td>Erica Howard</td>
</tr>
<tr>
<td>Epclusa: A Cost Effectiveness Analysis of the newest HCV Regimen</td>
<td>Dr. La’Marcus Wingate</td>
<td>Lauren Latten</td>
</tr>
<tr>
<td>A Cost effectiveness evaluation of Ixekizumab in treatment of Psoriasis</td>
<td>Dr. La’Marcus Wingate</td>
<td>Keisha Stubbs</td>
</tr>
<tr>
<td>Evaluating the Role of Historically Black Colleges and Universities in production of underrepresented minorities receiving PhDs in pharmacy related disciplines</td>
<td>Dr. La’Marcus Wingate</td>
<td>Aslam Ujala</td>
</tr>
<tr>
<td>Knowledge and Attitudes at a Pharmacy Students at an urban teaching Center with a High Risk Urban Population in regards to HCV infection and Point of Care testing</td>
<td>Dr. Daftary Detron Brown</td>
<td>Detron Brown</td>
</tr>
<tr>
<td>The effect of Physicians Adherence to JNC8 Guidelines on Patients’ Blood Pressure Control</td>
<td>Dr. Daftary</td>
<td>Micah Johnson</td>
</tr>
<tr>
<td>Economic Community of West African States’ (ECOWAS) Inclusion in the International Council of Harmonization (ICH) Initiative: Overcoming Barriers to Pharmaceutical Global Regulatory Harmonization</td>
<td>Dr. Earl Ettienne</td>
<td>King Gyasi</td>
</tr>
<tr>
<td>Using Real-World Evidence to access the institutional review board (IRB) process: Enabler or Inhibitor?</td>
<td>Dr. Earl Ettienne</td>
<td>Titilope Ajayi and Kayonda Bayo</td>
</tr>
<tr>
<td>In vitro Characterization of Anticancer Drug-loaded Nanoparticles</td>
<td>Dr. Adesina</td>
<td>Bryanna Gray</td>
</tr>
<tr>
<td>Fabrication of Polymeric Multifunctional Biodegradable Nanoparticles for HER-2 Positive Breast Cancer Treatment</td>
<td>Dr. Emmanuel Akala</td>
<td>Ginika Ezeude</td>
</tr>
<tr>
<td>Is there a generic for that? Perceptions of Generic Drugs among Physicians and Patients</td>
<td>Dr. Mary Maneno</td>
<td>Sandrine Maffo-Tchinda</td>
</tr>
</tbody>
</table>
Walgreens Health System Pharmacy and Howard University College of Pharmacy are united in their commitment to train future champions in the community pharmacy arena. In December 2015 Walgreens awarded Howard University a $50,000 grant to establish the program. This postgraduate year one learning experience is the only community pharmacy residency program based in our Nation’s Capital. Participation in this residency program that will encourage the resident’s creativity and enhance practice skills as they find ways to address unique healthcare challenges in the community pharmacy setting. The 2017-2018 resident, Andrea Babb is a 2017 graduate of Florida A&M University.

Howard University/Trusted Health Plan Health Outcomes Research Academic Fellowship

Health outcomes research is a unique “field of inquiry,” defined by questions and work, and not discipline or disease. Health outcomes researchers address a branch of public health research, which studies the end results of the structure and processes of the health care system on the health and well-being of patients and populations. It spans a broad spectrum of issues from studies evaluating the effectiveness of a particular medical or surgical procedure to examinations of the impact of insurance status or reimbursement policies on the outcomes of care. Trusted Health Plan is a Washington D.C. based Managed Healthcare Organization. The goal of the Howard University/Trusted Health Plan Health Outcomes Research Academic Fellowship to provide post-doctoral training to pharmacy graduates to become competent health outcomes researchers within 24 months by implementing a minimum of two clinical pharmacy service impacting a minimum of 500 patients.
Global contributions: A Medical Missions trip was conducted in Gambia where more than 1,000 patients were counseled on proper use of medications as well as preventive health measures. Pharmacists collaborated with other health care professionals including physicians, nurses, and dietitians to optimize therapeutic outcomes in patients. Dr. Noumedem played a critical role in this trip.

- **AcademyHealth** Welcomed President/CEO Lisa Simpson (January 18, 2017): The Howard University College of Pharmacy (HUCOP) AcademyHealth Student Chapter kicked off their first event by inviting Dr. Lisa Simpson, President and CEO of AcademyHealth, to speak to an audience of HUCOP students. Dr. Simpson encouraged students to pursue unique career opportunities in health services research and health care disparities research for pharmacists. Furthermore, Dr. Simpson encouraged involvement in the AcademyHealth Student Chapter and highlighted student membership benefits, including networking opportunities at annual conferences.

- **AcademyHealth** Networking Events (April 19, 2017): The chapter attended the AcademyHealth Invitational Mentoring and Networking Reception hosted by the AcademyHealth Center for Diversity, Inclusion, and Minority Engagement at the AcademyHealth Headquarters on April 19, 2017. Students networked with members of other chapters and local policy and health research organizations, such as the Urban Institute, the Patient-Centered Outcomes Research Institute (PCORI), the MITRE Corporation, the Agency for Healthcare Research and Quality (AHRQ), and RTI International.

- **AcademyHealth @ Howard: HSRProj Student Competition Finalist (May 19, 2017):** The AcademyHealth Organization, in conjunction with the National Information Center for Health Services Research and Health Care Technology (NICHSR) of the National Library of Medicine (NLM), hosted a student research competition for members of the AcademyHealth Student Chapters. This competition asked Student Chapter members to conduct research using data from the Health Services Research Projects in Progress (HSRProj) database to identify research gaps in important topics in HSR.

Patricia Noumedem was recognized amongst peers as a 2016 Bowl and Hygeia Award recipient and invited to the prestigious Remington Award.
The 2017 HSRProj Research Competition for the AcademyHealth Student Chapters focused on understanding potential gaps in HSR by asking students to use data from the HSRProj database, (with a focus on HSR projects funded in 2005 and afterward) along with other sources as necessary, to identify a research topic in HSR that is both interesting and important and for which there seems to be insufficient research or funding. The team consisted of Iman Ahmed (P2), Kevin Nguyen (P2), and Adaku Ofoegbu (1st year PhD). They presented an abstract aimed at exploring the effect of integrating pharmacogenetic testing in buprenorphine management on treatment outcomes for African American patients. The team determined that there is a gap in funded projects that integrate pharmacogenetic testing into buprenorphine management.
Seven student researchers (Kwame Sarpong, Maimouna Traore, Omobolanle Kayode, Kelechi Eluchie, Adoma Yeboah, Laura Campbell, Adaku Ofoegbu) and two professors (Dr. Ettienne, Dr. Stiles) embarked to Accra, Ghana from between June 1, 2016 and July 31, 2016 to conduct research at the Korle Bu Teaching Hospital. Students working with Dr. Ettienne conducted research on comorbid mood disorder and diabetes and students working with Dr. Stiles conducted research in malaria. This report summarizes the research activity of the comorbid mood disorder in diabetes project.

Participants of this study were recruited from the Korle Bu Teaching Hospital and originated from the various regions of Ghana, such as the Greater Accra, Volta, Eastern, and the Northern regions. An electronic patient intake form was used to collect patient data at each visit.

Initially, participants completed a questionnaire to collect demographic information via an electronic intake form. Each participant completed a glycated hemoglobin (Hb) A1c test via the A1cNow testing devices to determine how they have been managing their diabetes over three months. Patients with A1c readings above 7% were counseled regarding pharmacological and non-pharmacological diabetes management approaches and referred to the Korle Bu Teaching Hospital medical team for further intervention.

In addition, the participants underwent a buccal swab to collect genetic material for pharmacogenomic analysis. The examination concluded with two emotional assessments to establish the correlation between the patient’s mental health and how they have been managing the disease. This study continued with a retrospective review of the medical history of each individual.
BENEFITS OF THE PHARM.D. DUAL DEGREE

If I had to cite one principle benefit of obtaining a Ph.D. in addition to my Pharm.D., it would be flexibility. With the combination of a Pharm.D. and a Ph.D., you may have opportunities to impact society that you would not have with a Pharm.D. alone. For me specifically, the Ph.D. degree presented opportunities to have an impact in government. In graduate school, I had the opportunity to have my dissertation funded by the Social Security Administration. The dissertation findings provided valuable information to the Social Security Administration on the preferred structures of Medicare Part D drug plans. After completing my Ph.D., I was able to take part in the Prevention Effectiveness Fellowship at CDC. The fellowship team shared that my background as a Pharm.D./Ph.D. was one of the main reasons they wanted me to join them. At the CDED, I had the opportunity to estimate the public health benefit, cost, and economic value of several international programs being considered to reduce morbidity from certain infectious diseases. After joining Howard my Pharm.D./Ph.D. training has allowed me to provide an analysis of how public health programs would impact population health. As an example, I was able to work with the local public health department and estimate how many new HIV infections would be prevented through implementation of certain initiatives such as placing more HIV infected individuals on antiretroviral therapy and having greater proportions of these people to achieve viral suppression. I thoroughly enjoy these types of projects and would heartily encourage someone considering a Pharm.D./Ph.D. to pursue this opportunity.

Graduates of our program have assumed successful leadership roles in, managed care organizations (MCO’s), pharmacy benefit management companies (PBMs), government, pharmaceutical industry community and clinical practice sites. Alumni of the joint program have remarked about how well prepared they were to move into leadership roles. Employer engagement is often a sign of program excellence, and we can boast of a continued tradition of employers seeking our students for internships prior to graduation and permanenet placement after graduation.
College of Pharmacy

Algon, Iowa – Ms. Theresa H. (Nguyen) Castellanos has been named the 2017 Distinguished Young Pharmacist of the Year in Alaska. The prestigious award was conferred on the Anchorage pharmacist at the Alaska Pharmacists Association Annual Convention. Castellanos has been employed at Southcentral Foundation for seven years. She graduated from Howard University in 2009 with a Doctor of Pharmacy degree.

The Distinguished Young Pharmacist of the Year award is presented annually to a pharmacist in each state for individual excellence and outstanding contributions in state pharmacy association activities, community affairs and in professional practice. The award is sponsored by Pharmacists Mutual Companies.

Pharmacists Mutual, rated Excellent by A.M. Best, is a nationally recognized leader and provider of insurance products and risk management solutions for pharmacists and pharmacies, dentists and dental practices, associated businesses, and professionals. For over a century, Pharmacists Mutual has provided peace of mind to its policyholders through comprehensive, quality products and services.

Notable Alumni

2017 DISTINGUISHED YOUNG PHARMACIST OF THE YEAR IN ALASKA

DR. THERESA H. (NGUYEN) CASTELLANOS
Board of Visitors

LEONARD EDLOE, PHARM.D.
Co chair of the Board of Visitors.
Chief Executive Officer of Edloe’s Professional Pharmacies

Leonard Edloe, Pharm.D. is Co chair of the Board of Visitors. He is also a pharmacist and Chief Executive Officer of Edloe’s Professional Pharmacies, his family owned pharmacies located in Richmond, Virginia, and Pastor of the New Hope Fellowship, Gloucester, Virginia. He earned a Bachelor of Science in Pharmacy from the Howard University School of Pharmacy, a Master of Divinity from the Samuel Dewitt Proctor School of Theology at Virginia Union University, and a Doctor of Pharmacy degree from the University of Florida, School of Pharmacy.

NORMA JENKINS STEWART, R.PH.
Regulatory Health Consultant

Norma Jenkins Stewart is a licensed pharmacist and public health regulatory administrator (retired). Norma Jenkins Stewart is a graduate of Howard University College of Pharmacy and is a member of several professional pharmacy associations, having held offices and committee chairs in several.

SYBIL RICHARD, ESQ.
Attorney

Ms. Sybil Richard, is Vice President of Professional Affairs at Wal-Mart US; Sam’s US and Puerto Rico. Ms. Richard earned a Bachelor of Science in pharmacy from Xavier University of Louisiana in 1991. She also has a Juris Doctor and Master of Health Administration, both from Indiana University.

ROGER S. CLARK, MBA
Senior District Manager-Novartis Pharmaceuticals

Roger S. Clark is a sales executive with over 30 years of experience in the Petrochemical and Pharmaceutical industries.

Roger holds a BA degree from Bucknell University and a MBA from the University of New Haven. Roger, a Native Washingtonian, is the father of two daughters Ashley and Kailah and currently resides in Prince Georges County with his wife Regina.
MINNIE BAYLOR HENRY, ESQ.

Worldwide Vice President for Regulatory Affairs, Johnson & Johnson Medical Devices & Diagnostics

Minnie Baylor Henry received her pharmacy degree from Howard University’s College of Pharmacy and her law degree from Catholic University’s Columbus School of Law.

BASIL ANTHONY SMIKLE, JR.

Political Consultant and Professor, School of International and Public Affairs, Columbia University

Basil Smikle, Jr. is a political consultant and policy analyst whose commentary is featured in local and national media outlets. In addition to running his consulting firm, Basil is a PhD candidate at Columbia University concentrating in Education and Politics. Basil graduated with a Bachelor of Science in 1993 from Cornell University in Industrial and Labor Relations. In 1996, he received a Masters Degree in Public Policy from Columbia University’s School of International and Public Affairs.

FRANK L. BROWN, MD

Senior Medical Director, Cigna HealthCare

Dr. Brown, an internist, is a Senior Medical Director with Cigna HealthCare and Fellow of the American College of Physicians, the Royal Society of Medicine, and the American College of Emergency Physicians.

He received his training and education in pharmacy, medicine, and business at Howard University, Yale University, and Virginia Commonwealth University, respectively.
CHARLES MICHAEL VAN DER HORST, MD
FACP, FIDSA

Retired Professor

Charles van der Horst is Emeritus Professor of Medicine and Infectious Diseases at the University of North Carolina. He currently serves as Senior Technical Advisor to More Than Me, a Liberian NGO.

MICHAEL KIM, PHARM.D.

Entrepreneurial pharmacist

Michael Kim, Pharm.D., is an entrepreneurial pharmacist and currently owns multiple pharmacies in the District of Columbia and Maryland. Dr. Kim has been the recipient of several awards since graduation including the Bowl of Hygeia award, the Howard University College of Pharmacy Alumnus of the Year award and the Washington DC Pharmacy Association Pharmacist of the Year award. He has been featured in multiple pharmacy publications and has been interviewed by many news media such as CNN, NBC, ABC and NPR.

Dr. Kim is the current Chairman of the Care Pharmacies Board of Directors, Vice President of the Washington DC Pharmacy Association, a Vice President of the National Community Pharmacist Association (NCPA) and sits on many other Boards and committees. He received his Pharm.D. from Howard University in 1998 and was part of the first ever entry-level Pharm.D. class to graduate from the College of Pharmacy.
March 2nd, 2017 marked the Sesquicentennial Anniversary celebration of Howard University College of Pharmacy. For 150 years Howard University, has been a beacon of excellence in truth and service through academic rigor, civic engagement and professional standards. I am writing to invite you to join our Dean’s Society.

The Dean’s Society was inaugurated in 2015 as a multicultural group of benefactors committed to assist Howard University College of Pharmacy in creating the critical funding for the much-needed resources.

The College of Pharmacy has a vision to be a premier college in teaching, learning, research, practice, leadership and service. We are seeking multicultural benefactors willing to use their time, talent, resources, and sphere of influence to help us:

- Build a $100 million state-of-the art building;
- Create internship/employment pipeline opportunities for our talented students;
- Create endowed professorships for merit and need; and
- Create faculty support resources to enable conferences and research.

Please consider supporting the Howard University College of Pharmacy by donating to our Building Campaign, joining our Dean’s Circle/society of Giving or contributing to our annual scholarship fund. Your generous donation will aid our students, faculty and staff to reach unprecedented success in the future. No gift is too small, nor is any gift too large. If interested, please send a note to rminan@howard.edu. My office will be in touch with you to arrange a meeting to further outline our needs and your capabilities to assist us.

In closing, I am very hopeful that you will accept our Dean’s Society invitation and join us in the journey of creating a state-of-the-art pharmacy school and academic environment.

In Service,

Toyin Tofade, MS. Pharm.D., BCPC, CPCC
Dean and Professor
Toyin.tofade@howard.edu
## GIVING LEVELS

**DEAN’S SOCIETY AND ABOVE**

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- $10,000 - $24,999 **GOLD**
- $5,000 - $9,999 **SILVER**
- $2500 - $4,999 **BRONZE**
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**Contributions to the Howard University Pharmacy Alumni Association and Gala**

Donations received from the pharmacy alumni association and the University between **July 1, 2016 - June 2017**.

*Thank you so much for your support!*

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