

CURRICULUM VITAE

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&
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EDUCATION

1994 - 2001	Ph.D. Microbiology, Howard University, Washington D.C., USA
1986 - 1991	M.Sc. Microbiology & Botany, King Saud University, Riyadh, Saudi Arabia
1980 - 1984	B.S. Microbiology, King Abdul-Aziz University, Jeddah, Saudi Arabia

POST-DOC TRAINING

2001 - 2004	Post-doc Molecular Biology, Howard University Cancer Center, Washington, D.C. & Sidney Kimmel Comprehensive Cancer Center, Johns Hopkins, Baltimore, MD.
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EMPLOYMENT HISTORY

2010- Present	Associate Professor, Department of Microbiology, College of Medicine, Howard University Cancer Center.
2005- 2010	Assistant Professor, Department of Microbiology, College of Medicine, Howard University.
2004- 2005	Instructor, Department of Microbiology, College of Medicine, Howard University.
1996- 2005	Instructor and Coordinator (Summer Program) Microbiology Course in Health Careers Opportunity Program College of Pharmacy and Pharmaceutical Sciences, Howard University.
1996	Counselor in the Young Scholars Program (Summer Program) Department of Microbiology, College of Medicine, Howard University. Responsible for supervision, lectures, site visits, and conducting sessions for high school students.
1996-1998	Teaching Assistant, Department of Microbiology, College of Medicine, Howard University. Responsibilities: Conducting laboratory sessions for Medical, Dental, Pharmaceutical and Allied Health Students.
1988-1991	Teaching Assistant, College of Arts and Sciences, King Saud University, Riyadh, Saudi Arabia Responsibilities: Conducting laboratory sessions for Microbiology course.

HONORS, AWARDS & SCHOLARSHIPS

- 2019 Outstanding Faculty Research Award, Howard University College of Medicine.
2014 Graduate Faculty Exemplar, Graduate School, Howard University.
2000 First place award Poster presentation, Howard University, Graduate School of Arts and Sciences.
2000 Roland & Walden Nickens Scientific Research award, Howard University Medical Center Scientific Forum.
2000 Oral & poster presentation award, American Society for Microbiology, Washington D.C. branch.
2000 Oral & poster presentation award, National Medical Association.
2009 AACR Minority-Serving Institution Faculty Scholar in Cancer Research Award.
1987 Ministry of Education of Saudi Arabia Scholarship; King Saud University, Riyadh, Saudi Arabia.
1995 Honor List, Cash Award, Saudi Arabian Cultural Mission, Washington, D.C.
1994-2000 Full Scholarship, Saudi Arabian Cultural Mission, Washington, D.C.

PROFESSIONAL MEMBERSHIPS

- 2016-Present American Association for Cancer Research, Tumor Microenvironment (TME) Working Group.
Role: To promote research of the tumor microenvironment as an integral part of the prevention and cure of cancer; To support the education, training, and professional advancement of early-career scientists to drive interest in the field.
- 2005-2007 American Cancer Society
Role: Advocate: work to encourage elected officials and candidates to make cancer a top national priority.
- 2005-2007 Neurotoxicity Society
Role: discussed the latest research in neurotoxicology from molecular through epidemiological studies.
- 2000-Present American Association for Cancer Research
Role: Shape the future of Breast Cancer Research by supporting AACR programs
- 1996-2000 Sigma Xi, Research Honor Society, Howard University Chapter
Role: support the interests of young scientists in order to broaden participation in science and engineering.
- 1996-2000 Society for Experimental Biology & Medicine
Role: Participate in committee on how to best prepare trainees to gain command of diverse biomedical disciplines, leadership qualities, communication skills and how to work in teams.
- 1995-2000 American Society of Microbiology
Role: Shape the future of microbiology by supporting ASM programs.

COMMITTEE SERVICES

Institutional Service/Howard University (University Wide) Services

- 2020-Present **Faculty Reviewer for Ukweli**, The Howard University (HU) Undergraduate Research Ukweli is a biannual, interdisciplinary publication designed to give HU students a platform to share research and academic writing. The need to promote and recognize Black academic thought and research is more pressing than ever. Born of this need, Ukweli serves as a virtual learning center for the exchange of knowledge and ideas across disciplines.
- 2020-Present **Chair, Biorepository Ad Hoc Committee**, The committee established to develop Biorepository Standard Operating Procedures (SOPs) for various biobanking practices and all associated processes and policies including ethical, legal; and the collection, storage, use, and re-use of all human biospecimen that are generated within, transferred to, or transferred from the Howard University and its covered entity.
- 2020-Present **Member, The 1993 Faculty Grievance Commission (The 1993, FGC)**. As recommended by the Provost, the 2019-2020 Faculty Grievance Commission (FGC), which was elected prior to the adoption of the 2019 Faculty Handbook, to continue making recommendations for the resolution of Grievances, bring to conclusion, resulting in formal recommendations, for all FGC cases received prior to adoption of the 2019 Faculty Handbook, on June 7, 2019, in accordance with the 1993 Faculty Handbook.
- 2017-2020 **Member, Faculty Grievance Commission**, Howard University. Role: Make recommendations for the resolution of Grievances.
- 2014-Present **Member, Research Committee, Strategic Planning Committee**, Howard Cancer Center (HUCC). Role: 1) Providing opportunities for greater interdisciplinary interaction among trainees; 2) Creating a network of trainees and mentors which will facilitate targeted communications about research careers, research opportunities, and scholarly activities.
- 2012-2016 **Member, Hearing Panel, Faculty Grievance Commission**, Howard University. Role: conducts a Grievance Hearing and makes recommendations for the resolution of Grievances.
- 2011-present **Member, Howard University Institutional Review Board (IRB) Committee**. Role: 1) Review all relevant materials before committee meetings; 2) Attend committee meetings and voice objective opinions on issues; 3) Pay attention to association activities that affect or are affected by the committee's work; 4) Support the efforts of the committee chair and carry out individual assignments made by the chair; 5) Work as part of the committee and staff team to ensure that the committee's work and recommendations are in keeping with the general association mission and goals.

Howard University College of Medicine (HUCM) Services

- 2018-Present **Member of Search Committee**, New Director, Howard University Cancer Center. Role: Review applications, screen, interview, and recommend the best candidates for the position.
- 2013-2014 **Member, Medical Student Summer Research Program (MSSRP) Review Board**, Howard University College of Medicine. Role: To organize, coordinate, and expand the opportunities for high quality research training at Howard University College of Medicine.
- 2013 **Applications Reviewer, HUCM Medical Student Summer Research Program (MSSRP) Review Board**. Role: 1) Providing opportunities for greater interdisciplinary interaction among trainees; 2) Creating a network of trainees and mentors which will facilitate targeted communications about research careers, research opportunities, and scholarly activities.
- 2011-2014 **Member, Research Committee**, Howard University College of Medicine. Role: 1) Responsible for ensuring a well-balanced, high-quality conference/seminar program/series; 2) Organizing, coordinating, and developing professional conferences that enhance, generate, and produce new knowledge or understanding in one or more fields of research; 3) Discuss problems and difficulties that might face the faculty at the department and find resolutions.
- 2007 **Member, Search Committee**, New Chair of Department of Pediatric
- 2005, 2008 **Judge**, Research Symposium and Honors Day, Howard University
- 2003 **Member, Search Committee**, New Director Howard University Cancer Center.

Microbiology Department Services

- 2016-Present **Member, Graduate Students Admissions Committee**, Microbiology Department, Howard University. Role: 1) Review all applications to the Department of Microbiology from the Graduate School; 2) Insure that applicants have pre-requisites for admission to the department; 3) Present qualified applicants to the Department for final decision on admission; 4) Confer with the financial Aid Committee on student support availability; 5) Prepare letter of acceptance (check with Graduate School); 6) Send students information on 1st semester course offerings and recommended texts (confer with Advisory Committee).
- 2016-Present **Member, Appointment, Promotion and Tenure Committee**, Microbiology Department. Role: 1) Review candidates seeking appointment, promotion, or tenure. 2) In the case of initial appointment, the Committee reviews the candidate's dossier and makes recommendations regarding appropriate academic rank and, in rare cases, tenure. 3) The Chair of the APT forwards the committee's recommendations to the Chair of the Department.
- 2016-Present **Member, Executive Committee**, Microbiology Department, Howard University. Role: Review the major issues facing the organization, weighing pros and cons, and making preliminary decisions, to be ratified by the board at the actual board meeting.
- 2016-Present **Member, Recruitment Committee**, Microbiology Department, Howard University.

- 2015-2017 **Member, Research and Seminar Committee**, Microbiology Department, Howard University. Role: to discuss and fund funding opportunities and seeking outside speakers to present in our Departmental Seminar series.
- 2007-Present **Member, Off-Campus Research Committee**, Microbiology Department, Howard University. Role: 1) Prepare application to perform off-campus dissertation research; 2) Prepare Guidelines for off-campus research partnerships for (students, off-campus mentor, and departmental advisors); 3) Monitor student progress towards landmarks and dissertation completion.
- 2007-2016 **Member, Honors and Awards Committee**, Microbiology Department, Howard University. Role: 1) Develop criteria for awarding of prizes for medical, dental, and graduate students; 2) coordinate with departmental trustee as to source of award prizes; 3) coordinate nominations for and submission of faculty and staff awards; 4) coordinate with College of Medicine's Awards Committee; 5) seek new sources of revenue for student awards.
- 2007-2016 **Member, Financial Aid Committee**, Microbiology Department, Howard University students. Role: 1) Seek and identify all sources of financial aid available to current and incoming graduate 2) develop criteria for each type of financial receipt; 3) coordinate the awarding of financial aid to incoming and continuing students; 4) ensure that all Awardees meet and maintain the criteria for the award; 5) develop a post-award evaluation of student performance and progress; 6) serve as Liaison(s) to ASM Local Chapter and Student Chapter.
- 2007-2016 **Chair, Graduate Education Committee**, Microbiology Department, Howard University. Role: 1) Evaluate and up-dates the Departmental Rules and Regulations handbook; 2) provides input, data and statistics for departmental evaluations and surveys (i.e., NSF survey on Financial Aid, Departmental Review, et.); 3) assists with the preparation of the Annual Report for the College of Medicine and the Graduate School; 4) Alumni Tracking.

National Services

- 2021 **Program Reviewer**, Master of Science in Microbiology and Infectious Disease Program. Fakeeh College for Medical Sciences (FCMS), Abdul Wahab Naib Al Haram, Al-Hamra'a, Jeddah 23323, Saudi Arabia.
- 2017 **Judge** for the Twelfth Annual Undergraduate Student Caucus and Poster Competition. Science Education, American Association for Cancer Research Washington, DC. April 1, 2017.
- 2014-Present **Editorial Board Member**, Austin Journal of Microbiology

Community and Organizations Services

- 2017-Present **Client Advocacy Board**, Member, Washington Retirement Planning Specialists, 6701 Democracy Blvd #711, Bethesda, MD 20817.
- 2006-2008 **Legislative Ambassador**, American Cancer Society
- 2000-2008 **Board Member and Secretary**, Springfield Square Homeowner's Association

GRANTS, BOOKS, & SCIENTIFIC MANUSCRIPTS REVIEWR

Grants Reviewer

- 2017 NIH Eastern Regional Comprehensive Metabolomics Research Core (ERCMRC) Pilot and Feasibility (P&F) Program.
- 2016 Developmental Research Projects Program. University of Puerto Rico, Universidad De Puerto Rico Medical Sciences Campus.
- 2016 IDeA network of Biomedical Research Excellence (INBRE) program, NIH.
- 2016 VA HBCU CDA2 Career Development Award review panel. US Department of Veterans Affairs, Office of Research & Development, 810 Vermont Avenue (10P9), Washington, DC 20420.
- 2014 United States Department of Veterans Affairs, VA-ORD Historically Black College and University Research, Scientist Training Program Award.
- 2013 Congressionally Directed Medical Research Programs (CDMRP) peer review, Prostate Cancer Research Program (PCRP) Pre-application-Molecular Biology and Genetics.
- 2013 Congressionally Directed Medical Research Programs (CDMRP) peer review, Exploration-Hypothesis Development-Clinical and Experimental Therapeutics-2.
- 2013 Congressionally Directed Medical Research Programs (CDMRP) peer review, Prostate Cancer Research Program - Exploration-Hypothesis Development-Clinical and Experimental Therapeutics-
- 2012, 2014 Georgetown-Howard Universities Center for Clinical and Translational Science (GHCCTS) KL2 Applications.
- 2012 Congressionally Directed Medical Research Programs (CDMRP) peer review, Prostate Cancer Research Program (PCRP) Exploration-Hypothesis Development-Pathology-2.
- 2012 Congressionally Directed Medical Research Programs (CDMRP) peer review, Prostate Cancer Research Program (PCRP) Clinical and Experimental Therapeutics-3.
- 2011 NIH Prostate Cancer Research Program, Mechanisms of Cancer Therapeutics Study Section.
- 2011 Congressionally Directed Medical Research Programs (CDMRP) peer review, Prostate Cancer Research Program (PCRP), Training-Pathobiology.
- 2009 Congressionally Directed Medical Research Programs (CDMRP) peer review, Breast Cancer Research Program - Molecular Biology & Genetics #2.
- 2008 Howard University General Research Clinical center

Books Reviewer

- 2019 **Bentham Science Publishers, Reviewer, eBook title** “Current Advances in Breast Cancer Research: A Molecular Approach”.

Scientific Manuscripts Reviewer

2021	The Howard University (HU) Undergraduate Research Ukweli Platform. Manuscript ID: 1235962
2019	Nature Research Journal, Manuscript number, SREP-19-29539.
2017	World Journal of Surgical Oncology (WJSO)
2017	Tumor Biology Journal
2016-2018	OncoTargets and Therapy
2015-2018	Dove Medical Press
2015	Cancer Biology & Therapy
2015	PLOS ONE Journal
2015	Prostate Cancer Journal
2015	Journal of Human Nutrition and Dietetics

SPECIAL ASSIGNMENTS & COURSES TAUGHT

Special Assignments

2007-Present	Graduate Course Coordinator: Cell Biology (CRN14903; MICR 305- 01), Microbiology Department, Howard University.
2005-Present	Facilitator , Problem-based learning (PBL) and Small Group Learning Session (SGL), Howard University College of Medicine.
2005-2006	Facilitator , Liaison Committee on Medical Education (LCME), Howard University College of Medicine.

Lecturer, Teaching Services

Medical Courses:

Molecules and Cells, Unit 2/Medicine and Society (Total 7 hours); Topics: 1) Immunoglobulins structure, function, gene rearrangement and associated deficiencies; 2) The Complement System and Complement Component Deficiencies; 3) Basis of immunologic Diagnostics; 4) Hypersensitivities: Types II and III.

Small Group Learning Activities Facilitator (Total 38 hours); Topics: 1) Molecules and Cells Unit 2 (12 hours); 2) Bacteriology Small Group Sessions *Organ System-1* (4 hours); 3) *General Principles* (10 hours); 4) *Microbiology CNS* (4 hours) 5) Organ Systems Course; Cardiorespiratory Unit (4 hours); 6) Microbiology CNS (4 hours)

Bacteriology & Virology laboratories Facilitator (Total 4 hours)

Medicine and Society Integrated Learning Groups Research Projects Course (Total 12 hours= 10 class hours and poster sessions 2 hours)

Preliminary Academic Reinforcement Program (PARP); Topics: Antibodies; Immunoglobulin Gene Rearrangement (Total 4.5 hours)

Dental Courses:

Microbiology and Immunology (16172-DENT-112-01) (Total 6 hours); Topics: 1) Hypersensitivities II and III reactions; 2) Epidemiology; 3) Complement-antibody reaction. Laboratory Facilitator: (Total 2 hour).

Pediatric Dentistry Seminar Course (PGY1) (PGDP64201201808): Immunology in Pediatric Dentistry (Total 2 hours)

Nurses Course:

Microbiology in Health and Disease (MDMI-103-01201608) (Total 6 hours). Topics: 1) Tools for Observing Microorganisms through a Microscope; 2) Structure and Function of Prokaryotic Cells; 3) Structure and Function of Eukaryotic Cells; 4) Specific and Non-specific Defenses of the host and Specific Immunity; 5) Complement System; 6) Practical Applications of Immunology, Laboratory Facilitator (Total 6 hours).

Pharmacy Course:

2004-2015 **Biomedical Sciences II** (CRN 86688; PHAR 302-01); (20042013) (Total 6 hours). Topics: 1) Role of Immune System in Health and Disease: Microbial Antigen; 2) Role of Immune System in Health and Disease: Blood and Tissue Antigens.

Graduate Courses:

Biology of Pathogen 1 (231-300) (Total 8 hours); Topics: Macromolecular Synthesis: Replication, Transcription and Translation **Biology of Pathogen II** (129127-302-02) (Total 2 hours); Topics: Antiphagocytic Factors

Cellular and Molecular Immunology (85604-304) (Total 10 hours); Topics: 1) Immunoglobulins; Structure and Function; 2) Organization and Expression of Immunoglobulin Genes; 3) Antigens Antibody Interactions; 4) Complement System; 5) Journal club.

Cell Biology (CRN14903; MICR 305-01) (Total 4.5 hours); Topics: 1) Introduction; 2) Cell Culture; 3) Cancer; 4) Molecular Structure of Gene and Chromosome.

Cancer Genomics Course (MICR 418/71- 51689; 72- 5330; & 73-5331) (Total 2 hours); Topics: Biology of Breast Cancer.

Graduate Course: Dissertation Research (CRN 14245; MICRO 600 02), Spring 2012-2016

Graduate Course: Dissertation Research (CRN 84250; MICR 600 02), Fall 2012-2015

Graduate Course: Dissertation Research (CRN 88356; MICR 600 02), Fall, 2007-2011

Graduate Course: Dissertation Research (CRN 17583; MICR 600 02), Spring, 2007-2011

Graduate Course: Research in Micro (CRN 87500; MICR 22808), Fall 2019

Graduate Course: Special Topics (CRN 88716; MICR 41804) Fall 2019

Graduate Course: Research in Micro (MICR 22810) Spring 2020

Graduate Course: Dissertation Research (MICR 600 04) Spring 2020

RESEARCHS ERVICES & TRAINING

Post-Doctorial

2011-2014 **Emmanuel Y Jingwi**

Mentoring and Ph.D. Research Dissertation Advisor

- 2016-Present **Mustafa Qasim**, Microbiology Department
Investigating the Role of *KISS1/KISS1R* in Breast Cancer .
- 2016-2020 **Ahmed Kabrah**, Microbiology Department
The Role of Acinar Cells Function in Oral and Gut Microbiota in Autoimmune Pancreatitis and Sjögren's Syndrome.
- 2016-2019 **Safaa Turkistani**, Microbiology Department
miRNA Signatures of Triple Negative Breast Cancer in African American Women
- 2016-2019 **Maram Almohaywi**, Microbiology Department
Integrated analysis of copy number alterations and miRNA profile of triple negative breast cancer in Latina women.
- 2013-2016 **Ashley Queen**, Microbiology Department
Investigating the phenotypic and clinical features associated with the presence or absence of BRCA1 gene mutations in breast cancer patients.
- 2012-2016 **Lance Buckley**, Microbiology Department.
Characterizing commonalities and differences between the breast and prostate cancer metapotypes in African American cohorts.
- 2010-2014 **Sylvia Dasi**, Department of Genetics & Human Genetics.
Methylation of *ESRα* Promoters in Pre-Malignant Breast Tissues Could Be a Biomarker that Correlates with Disease Progression of Breast Cancer.
- 2009-2014 **Ashley Parker**, Microbiology Department.
Small RNA Regulation of an outer membrane protein ToLC.
- 2009-2013 **Whitney Barfield**, Microbiology Department.
Osteopontin Genotype as a Determinant of Skeletal Muscle Remodeling: A Study of Healthy Young Adult Females.
- 2007-2010 **Mohammad R. Daremipouran**, Department of Genetics & Human Genetics.
UV Exposure, Vitamin D, and Prostate Cancer Risk in African Americans.
- 2005-2007 **Douglas White**, Microbiology Department.
Biological Evaluation of 1,4-Naphthoquinone Derivatives on Prostate Cancer Cell Lines.

Member, Graduate Students Ph.D. Research Dissertation Committee

- 2019-Present **Josef Paul**, Biochemistry Department, Co-mentor
Investigating the Functional Role of RASAL2 in Prostate Cancer.
- 2019-2020 **Afnan Shakoori**, Genetics Department, Genetic and Epigenetic Associations of serotonin receptor 7 (5-HT7) Breast Cancer in African Americans.
- 2018-2020 **Nicole Retland Moreland**, Microbiology Dept., Association of Genetic Variation in the Serotonin receptor, 5-HT2A, with Breast Cancer in African American Women.
- 2018-Present **Victoria Brooks**, Microbiology Department, Immunological Profiling of Chronically Transfused Sickle Cell Disease Patients.

- 2017-2020 **Anastasia Robinson**, Pharmacology Department, Combinatorial effects of 2, 3-dichloro-5, 8-dimethoxy-1, 4-naphthoquinone and 4-hydroxytamoxifen on Triple-Negative Breast Cancer Cell Lines.
- 2017-2019 **Abrar Aloufi**, Microbiology Department, Genetics and Epigenetics Associations of Vitamin D Receptor with Breast Cancer in African American Women.
- 2015-2017 **Zeina Sharawi**, Genetics Department, The Role of Calcium and Nitrite in the Activation of the Androgen Receptor.
- 2015-2017 **Aliza Ibad**, Microbiology Department, Genetics and Epigenetics in HPV-Infected Anal Carcinomas.
- 2012-2014 **Kimberly Mason**, Microbiology Department, Analysis of the Vitamin D Binding Protein Gene Variants, and Associated Risks for Prostate Cancer among African American Men.
- 2013-2014 **Hamid Rahi**, Department of Genetics & Human Genetics, Detection of Methylation Targets in Advanced Adenoma in African American: Discovery of Colorectal Cancer Risk Markers.
- 2011-2013 **Danyelle Winchester**, Department of Genetics & Human Genetics, Genetic Variation in the IL-6 Response Element of *SPINK1* Promoter and Prostate Cancer in Men of African Descent.
- 2012-2014 **Ezra Hackett**, Microbiology Department, Potential Inhibition of Heat Shock Protein 90 by Muscadine Grape Skin Extract in Metastatic Prostate Cancer.
- 2009-2011 **Denitra Alexis Breuer**, Microbiology Department, CDK9 phosphorylation by CDK2 in HIV-1 transcription.
- 2009-2011 **Sharla Michele Peters**, Microbiology Department, Identification, and *in vivo* characterization of inflammatory biomarkers in swine.
- 2009-2011 **Bradford Daniel Wilson**, Department of Genetics & Human Genetics, Characterization of variation in the vitamin D receptor promoter and association of Ancestral haplotype with prostate cancer in African Americans.
- 2009-2011 **Erica Jones, Chair**, Microbiology Department, The isolation, and *in vivo* characterization of ClpX mutants with altered activities.
- 2009-2011 **Zebalda Baji**, Microbiology Department, Dithiocarbamate analogs of emetine as potential chemotherapeutic agents: their apoptotic role, gene regulation and efficacy in prostate cancer.
- 2006 **Jacqueline Mason**, Microbiology Department.

Research Training

A. Graduate Students

- 2009 **Oladimeji Abegunirn**, Microbiology Department
- 2005-2007 **Hilaire Kenguele**, Biology Department
- 2006 **Altreshia Foster**, Microbiology Department

B. Medical Students/Residents

- 2013-2015 **Kwesi Blackman, M.D.**
- 2012-2013 **Maryam Sarraf, M.D.**, Internship, Internal medicine, HUH.
- 2011-2012 **Shani Scott**

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2007-2008 **Nina Rajaei, M.D.**, Internship, surgery, Union Memorial Hospital, (2009) Baltimore. Residency in Physical Medicine & Rehab (National Rehabilitation Hospital), Washington, DC.

2008 **Amal Khoury, M.D.**

2007-2008 **Bobby Oomemen, M.D.**, Residency, Surgery, Easton Hospital, PA (2009)

2006-2007 **Teena George, M.D.**

2004 **Audura Harris, M.D.**

2004-2006 **Enaruna Igiehon, M.D.**

C. Undergraduate Students

2010 **Nickia King**, High performance, Chemistry Department

2010 **Takiya Rowe**, Nursing School

2010 **Natasha Graves**, Health Education

2004-2007 **Vonetta Williams**, Chemistry Department

2005-2006 **Gina Bazemore**, Pharmacy School

Academic Advisor/Medical Students Basic Science

Serving as an academic advisor for the advisee in the following areas: 1) Personal and career guidance; 2) Specialty preference choices; 3) Encouraging the formulation of a strategy that guides them through to graduation; and 4) Information regarding research.

2019-2020 **Lancelor Benn**

2016-2017 **Maryam Laiyemo**

2014-2015 **Jerry Umeh**

2014-2015 **Ruth Jobarteh**

2013-2014 **Metty A Dessalegan**

2012-2013 **Noreen Islam**

2010-2013 **Jerome Clayton**

GRANT SUPPORT

Extramural Grants

Sponsor: **Charles and Mary Latham Foundation**

Grant Number: 427225

Dates: 2020-2022

Title: Investigating the role of KISS1/KISS1r in breast cancer

Role: PI Effort: 10%

Total Funding: Direct cost \$15,000

Sponsor: **National Institutes of Health, National Center Institute**

Grant Number: 5R21CA210126-02 (PI: Masoud Agah, Virginia Tech)

Dates: 7/1/2016-6/30/2018

Title: High Throughput Mechanical Modulatory Assay for Breast Cancer Drug Testing

Role: Co-I Effort: 10%

Total Funding: \$394,703 (Sub-award \$64,194)

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Sponsor: Charles and Mary Latham Foundation
Grant Number: 0008926
Dates: 1/1/2016-12/31/2018
Title: Characterization and establishment of triple negative breast cancers from African American women
Role: PI Effort: 25%
Total Funding: Direct cost \$11,000

Sponsor: National Institutes of Health, Common Fund Metabolomics Program
NIH Eastern Regional Comprehensive Metabolomic Resource Core; Pilot and Feasibility Project
Grant Number: 1U24DK097193
Dates: 2015-2016
Title: Characterizing commonalities and differences between the breast and prostate cancer metapotypes in African American cohorts
Role: PI (Sub-project) Effort: 25%
Total Funding: Direct cost \$50,000

Sponsor: National Institutes of Health, National Center Institute
Howard/ Hopkins Partnership
Grant Number: 2U54 CA091431-06
Dates: 2009-2011
Title: Altered expression and function of metabolism genes in triple-negative breast cancers
Role: PI (Sub-project) Effort: 20%
Total Funding: Direct cost \$375,000

Sponsor: National Institutes of Health, National Center Institute
Washington DC-Baltimore Research Center on Child Health Disparities
Grant Number: RFA-MD-06-003
Dates: 9/30/06- 9/29/2011
Title: AKT haplotypes as a risk factor for glycemia and metabolic syndrome in minority populations
Role: Eric Hoffman (PI); Kanaan (Co-PI) Effort: 25%
Total Funding: \$1,030,015

Sponsor: National Institutes of Health, National Center Institute
Howard/ Hopkins Partnership
Grant Number: 2U54 CA091431-06
Dates: 2006-2009
Title: Cytotoxic Effects of Imido-Substituted 2-Chloro-1,4-naphthoquinones on Human Prostate Cancer Cell Lines
Role: Co-PI (Sub-project) Effort: 20%
Total Funding: Direct cost \$300,000

Sponsor: **National Institutes of Health, National Center for Research Resources**
Howard/ Hopkins Partnership
Grant Number: 2U54CA091431-06-A1
Dates: 2006-2008
Title: Molecular Profile of a Basal-Like Phenotype of Breast Cancer in African American Women
Role: PI (Sub-project) Effort: 20%
Total Funding: Direct cost \$120,000

Sponsor: **Department of Defense (DOD)**
Grant Number: DAMD17-03-1-0069
Dates: 2005-2008
Title: UV Exposure, Vitamin D, and Prostate cancer Risk in African Americans
Role: PI Effort: 25%
Total Funding: Direct cost \$425,664

Sponsor: **Charles and Mary Latham Foundation**
Grant Number: OC060218
Dates: 2005-2007
Title: Design and Synthesis of Imido-Substituted 2-Chloro-1,4-Naphthoquinone Derivatives for Studies in Ovarian Carcinoma Cell Lines
Role: PI Effort: 10%
Total Funding: Direct cost \$35,000

Sponsor: **National Institutes of Health, National Center for Research Resources**
Howard/Hopkins Partnership
Grant Number: 5-U54-CA914-31-10 (PI: Smoot, Howard University)
Dates: 2004-2005
Title: Cytotoxic Effects of Imido-Substituted 2-Chloro-1,4-naphthoquinones on Human Prostate Cancer Cell Lines
Role: Co-PI (Sub-project) Effort: 10%
Total Funding: Direct cost \$126,500

Intramural Grants

Sponsor: **Howard University College of Medicine** Research Development program; Bridge Funds and pilot Study Awards Program (BFPSAP)
Grant Number: U400042
Dates: 2012-2013
Title: Metabolomic profile of breast cancer progression in African American women
Role: PI Effort: 20%
Total Funding: Direct cost \$30,000

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Sponsor: **Howard University Collaborative Alcohol Research Center**
Grant Number: NIAAA 5-P20-AA014643-04 (PI: Dr. Robert Taylor)
Dates: 2006-2007
Title: Allelic variations and the risk of alcoholism in African American population
Role: PI Effort: 10%
Total Funding: Direct cost \$50,000

Sponsor: **GHUCCTS-Pilot Translational and Clinical Studies Program**
The National Center for Advancing Translational Sciences (NCATS),
National Institutes of Health, through the Clinical and Translational
Science Awards Program (CTSA).
Grant Number: U54TR001366-01 (Previously ULTR000101)
Dates: 12/1/2015-03/31/2016
Title: Correlates of Triple Negative Breast Cancer and Chemotherapy Patterns in
Black and White Women with Breast Cancer
Role: Dr. Shepperd (PI), Dr. Kanaan (Co-I) Effort 10%
Total Funding: Direct cost \$49,132 (Sub-project)

PROFESSIONAL DEVELOPMENT

Symposiums/Conferences

- 2019 **San Antonio Breast Cancer Symposium**, December 10-14, 2019, Henry B. Gonzalez Convention Center, San Antonio, Texas, USA.
- 2019 **American Association for Advancement of Science (AAAS)**, Dialogue on Science, Ethics, and Religion (DoSER) Program. Professional Development Workshop: Science Communication and Engagement with Religious Publics, Howard University, Interdisciplinary Research Building, Washington DC. February 27, 2019.
- 2019 **The Second International Multidisciplinary Breast Conference**, February 22-23, 2019, Dubai, UAE.
- 2018 **The International Multidisciplinary Breast Conference**, International Multidisciplinary Breast Conference co-sponsored by the UAE Chapter of the American College of Surgeons and the American Society of Breast Surgeons. The conference reveals up-to-date management of breast cancer from screening to diagnosis to treatment. It highlights the importance of multidisciplinary care in managing breast diseases. The meeting also promotes breast sub-specialization among different medical specialties that deal with breast diseases. February 15-17, 2018, Dubai, UAE.
- 2017 **San Antonio Breast Cancer Symposium**, December 5-9, 2017, Henry B. Gonzalez Convention Center, San Antonio, Texas, USA.
- 2016 **San Antonio Breast Cancer Symposium**, December 6-10, 2016, Henry B. Gonzalez Convention Center, San Antonio, Texas, USA.
- 2016 **The American Society of Breast Surgeons**, 17th Annual Meeting. Pre-meeting course “High-risk patients and breast cancer genetics”; April 14, 2016. Dallas, Texas.
- 2014 **9th International Conference of Anticancer Research**, October 6-10, 2014. Sithonia, Greece.
- 2011 **The Charmettes Incorporated 56th Annual Convention**; Minority Health Issues, Up-to-date information on cancer treatments and research, with an emphasis on women’s health and wellness, May 18-22, 2011. Las Vegas, USA.
- 2010 **San Antonio Breast Cancer Symposium**, December 8-12, 2010, Henry B. Gonzalez Convention Center, San Antonio, Texas.
- 2009 **American Association for Cancer Research**, April 18-22, 2009, Denver, Colorado.
- 2008 **American Association for Cancer Research**, April 12-16, 2008, San Diego, CA.
- 2007 **American Association for Cancer Research**, April 14-18, 2007, Los Angeles, CA.
- 2005 **American Association for Cancer Research**, April 16, 2005, Anaheim, CA.

Workshops

- 2021 **University of Kentucky**, Interactive Mentoring to Enhance Research Skills (IMERS) Virtual Grant Writing Workshop! Virtual workshop; March 23-25, 2021.
- 2020 **Center for Excellence in Teaching, Learning, and Assessment** “Creating and Developing an Active Online Space that Creates Interactivity between Faculty and Students” Jul 9, 2020
- 2020 **Howard University Louis Stokes Health Sciences Library** Demystifying the Library Databases: PubMed, MeSH, & Evidence-Based Searching. March 26, 2020.

- 2019 **Howard University College of Medicine, Annual Faculty Retreat.** AAMC Headquarters 655 K Street NW, Washington D.C. 20001. May 30, 2019. The theme of the retreat: 1); Virtual Reality; Moving to competency-based medical education; 3) Health System Change: A medical student’s guide to advocacy; 4) Introducing Modified Mini Clinical Evaluation into the Preclinical Medical Clerkships; 5) Enhancing Psychiatric Training and Promoting Health Equity through Case-Based Learning; 6) Centering Prenatal Care in Residency.
- 2019 **Research Center in Minority Institutions (RCMI), Ingenuity Pathway Analysis (IPA) Seminar & Hands-on Training.** April 10, 2019. Interdisciplinary Research Building 2201 Georgia Avenue Northwest, Washington. D.C.
- 2018 **Howard University College of Medicine, Annual Faculty Retreat (May 2018)** AAMC Headquarters 655 K Street NW, Washington D.C. 20001. The theme of the retreat: 1) Metacognition: The Key to Increasing the Success of At-Risk Students, 2) Developing Strategies for Teaching Metacognitive Learning Strategies, 3) Adaptive Learning Resources for Students, 4) Benefits of a Vertical Integration for At-Risk Students.
- 2018 **Howard University College of Medicine, Office of Faculty Development,** Next Generation Sequencing Workshop Series (Part I). HUCM, Washington DC, April 5th, 2018.
- 2017 **Howard University College of Medicine, Office of Faculty Development,** Effective Active Learning Facilitation Workshop. HUCM, Washington DC, August 25, 2017. Howard University College of Medicine, Annual Faculty Retreat. AAMC Headquarters 655 K Street NW, Washington D.C. 20001. May 25th, 2017. The theme of the Annual Faculty Retreat for HUCM is Innovating and Updating the Medical School Curriculum. Despite wide consensus on needed changes in medical education, experts agree that the gap continues to widen between how physicians are trained and the future needs of our health care system. A new model for medical education is needed to create the medical school of the future. This retreat aims to provide a framework around successful innovation and updating existing medical school curricula.
- 2017 **Howard University, University of Kentucky; Grant Writing Workshop,** Louis Stokes Health Sciences Library, 501 W St., NW, Washington D.C. May 17-18, 2017. The aim of the workshop is to learn the essentials of writing successful NIH proposals.
- 2017 **PRIMER, IRB Administrator Boot Camp, Hyatt Regency,** Baltimore, Maryland. May 6-8, 2017
IRB Administrator 101 is a one-and-a-half-day program that provides a holistic look into the many functions and components of an HRPP. To 1) Identify the primary responsibilities of IRB administrators and staff; 2) Implement strategies and policies for creating a culture of compliance and ethical responsibility; 3) Discuss methods for ensuring administrators and staff support, improve, and strengthen your HRPP.
IRB Administrator 201 is a one-and-a-half-day course will provide knowledge to address issues, strategies an IRB administrator and chair can implement, and skills needed to successfully carry out responsibilities related to IRB oversight. The aims of this course to learn a framework to ensure having the knowledge, skills, and strategies to address questions like: 1) Where do I fit into the IRB and how does the IRB fit into my HRPP? 2) How do I implement effective communication pathways between stakeholders and the HRPP? 3) Which projects require IRB review? 4) When can informed consent or documentation thereof be waived? 5) What questions should I be asking the principal

- investigator? 6) What are the important elements of an IRB reliance agreement and how do I implement and track them?
- 2016 **Research with Vulnerable populations, and Strategies for Minority Recruitment.** Office of Regulatory Research Compliance. Louis Stokes Health Sciences Library, 501 W St., NW, Washington, D.C. 20059. February 18, 2016.
The aim is to discuss research with vulnerable populations, and strategies for overcoming barriers to minority recruitment.
- 2016 **How do I get promoted?** Academic advancement, promotions, and tenure (APT) at Howard University College of Medicine. Howard University College of Medicine, Office of Faculty Development. Seeley G Mudd Building, March 24, 2016.
- 2016 **Howard University Cancer Center Retreat;** Louis Stokes Health Sciences Library. Howard University, Washington D.C., June 26, 2016.
- 2014 **Elsevier Publisher "How to Get Your Article Published",** Louis Stokes Health Sciences Library, Howard University, September 17, 2014.
- 2014 **The First International Workshop on Plasma for Cancer Treatment,** Marvin Center George Washington University, Washington, DC., 03/25/2014-03/26/2014.
- 2014 **HU ADVANCE-IT writing retreat;** Osprey Point 6670 Cedar Cove Road; Royal Oak, MD 21662; 02/06/2014-02/08/2014.
- 2013 **Wiley Publishing Workshop,** Louis Stokes Health Sciences Library, Howard University. Oct. 24, 2013.
- 2013 **Quantitative Methods Workshop,** Room C-133K, CB Powell Communications Building, 525 Bryant Street NW, Washington DC. 5/20/2013-5/31/2013.
- 2012 **The item writing workshop** (12/13/2012), Sponsored by the Office of Faculty Development/HUCM, in conjugation with National Board of Medical Examiners (NBME). Howard University College of Medicine, Washington DC.
- 2012 **Think Tank on Use of Metabolomics in Population-Based Research** (September 27, 2012). Neuroscience Building, 6001 Executive Blvd., Rockville, MD 20852.
- 2012 **LC/MS Applications in Biomedical Research** (2/28/2012) Workshop. Sponsored by Agilent Tech. Inc. NIH, Rockville. MD 20892.
- 2012 **Advising is not enough: mentoring matters!** Workshop (2/9/2012): GTHU Center for Clinical Translational Science/Research center in Minority Institutions (RCMI) Program. Howard University College of Medicine.
- 2011 **Howard University College of Medicine, Faculty Retreat** (2011)
Workshops: a) Grant Review, b) Manuscript Review.
- 2010 **The Scientific of Western Blotting** (2010), Howard University Cancer Center, June 2010.
- 2009 **Institution/Cancer Center Partnership** (MI/CCP) Funded Investigators Workshop (September 17, 2009), NIH, Legacy Hotel & meeting Center, Rockville Pike, MD.
- 2008 **DC Cancer Consortium Breast Cancer Conference** "Discovery through Recovery: A Comprehensive Approach to Breast Cancer in the District". November 5, 2008. Kellogg Conference Hotel, Gallaudet University. Washington, DC.
- 2008 **Discovery Day "from Quality RNA to Microarrays to Real Time PCR: Discover New Technologies and Applications"**. October 22, 2008. Bldg. 40, NIH, Bethesda.
- 2008 **Biospecimen Research Network Symposium:** NCI/NIH, "Advancing Cancer Research through Biospecimen Science". March 13-14, 2008. Renaissance M Street Hotel, Washington, DC.

- 2007 **Early Career Women Faculty Seminar**, AAMC, July 7-11, 2007; Washington DC.
- 2006 **Applied Biosystem Gene Expression Technical Seminar Series** (Spring Training workshop), May 25, 2006. Georgetown University.
- 2006 **CME: Human Genetics Course**, Harvard Medical School, Scholars in Clinical Science Program, March 16-19, 2006.
- 2005 **Eight Annual Grant Writing Workshop**, AACR, April 16, 2005, Anaheim, CA.

INVITED SPEAKER PARTICIPATION

International

- 2020 **Workshop (Discussant) : Promising practices for improving the inclusion of women in science, engineering, and medicine:** Lessons from Kuwait and the United States-Workshop two. The workshop features leaders in academia, government, and business, and focuses on successful strategies and programs in both countries that increase opportunities for women focusing on gender stereotypes and gendered family roles; retention and career development; and mentoring and organizational change. Virtual, The National Academies of Sciences, Engineering, and Medicine. Virtual , October 5-7, 2020.
- 2019 **Workshop (Presenter): Promising practices for improvement the inclusion of women in science, engineering, and medicine:** Lessons from Kuwait and the United States Workshop. Speaker “Effective programs to attract and prepare women in major in a science-related discipline”. Panel member: Evidence of effective programs, practices, and models in both countries for recruiting women in science, engineering, and medicine. The National Academies of Sciences, Engineering, and Medicine; 2101 Constitution Avenue NW, Washington DC, October 28-29, 2019.
- 2014 **Presenter: Metabolic Profile of Triple-negative Breast Cancer in African-American Women** Reveals Potential Biomarkers of Aggressive Disease. 9th International Conference of Anticancer Research; Sithonia, Greece. October 9, 2014.

National

- 2019 **Panel: Breast Cancer Panel Discussion: Pink Hats & Blue Ties Lovingkindness Community Development Corporation** (CDC). Colony South Hotel and Conference Center; 7401 Surratts Rd, Clinton, MD 20735. December 7, 2019.
- 2014 **Workshop: National Women History Month & Triple Negative Day** “What is Breast Cancer & Understanding Triple Negative Breast Cancer”; Sisters Network Prince George's County; Kaiser Permanente, 1221 Mercantile Lane, Upper Marlboro, MD 20774; March 15, 2014.
- 2013 **Workshop: The Annual Convention of the Charmettes Incorporated, workshop** “Breast cancer surveillance and risk reduction”. The Grand Hyatt Hotel, Atlanta, GA, May 16-19, 2013. Minority 2010 Health Issues, Up-to-date information on cancer treatments and research, with an emphasis on women’s health and wellness. The Charmettes Incorporated, 55th Annual Convention. Wyndham Nassau Resort, Nassau, Bahamas, May 20-23, 2010.

- 2010 **Seminar: Breast Health Summit:** New Studies and Research-Breast Cancer “BRCA2 mutations in African American Women”. Providence Hospital, Washington, DC, October 2, 2010.
- 2009 **Seminar: A Passionately Pink for the Cure, a Breast Cancer Awareness Event** for Hospital Employees “Breast cancer and genetic testing” Providence Hospital, Washington DC, October 15, 2010.
- 2009 **Workshop: Molecular profiles demonstrate heterogeneity among triple-negative breast cancers.** Minority Institution/Cancer Center Partnership (MI/CCP) Funded Investigators Workshop; NIH/NCI. September 17, 2009.
- 2007 **Workshop: Genetic Susceptibility for Breast Cancer:** How Many More Genes to be found? “Health Disparities in Estrogen Receptor Negative Breast Cancer”, Think Tank Symposium, NIH. November 1-2, 2007.

Local

- 2015 **Dean’s Interdisciplinary Research Series,** Howard University College of Medicine. Metabolomic Profile of Triple Negative Breast Cancer, Howard University Hospital., Washington DC, March 23, 2015.
- 2012 **Dean’s Interdisciplinary Research Series, Howard University College of Medicine.** UV exposure, vitamin D and prostate cancer in African American men. Howard University Hospital, Washington DC, November 20, 2012.
- 2010 **Dean’s Interdisciplinary Research Series, Howard University College of Medicine.** Molecular Profile of a Basal-Like Phenotype of Breast Cancer in African American Women. Howard University Hospital, Washington DC. March 22, 2010.

PUBLICATIONS

Book Chapters

1. **Book Title:** Encyclopedia of Information Science and Technology (Volume III; 4th Edition; Chapter 156; pp. 1794-1805) Chapter Title: Exploratory Data Analysis on Breast Cancer Prognosis. Authors: M. Mehdi Owrang, **Yasmine Kanaan**, Robert L. Copeland, Melvin Gaskins, Robert L. DeWitty (June 2017). IGI Global Publishing. DOI: 10.4018/978-1-5225-2255-3.
<https://www.igi-global.com/chapter/exploratory-data-analysis-on-breast-cancer-prognosis/183895>
2. **Book Title:** “Acupuncture”/ Book 1; Chapter title: Degeneration/Regeneration as a Mechanism Contributing to the Effect of Manual Acupuncture-Induced Injury on Rat Skeletal Muscle. Authors: Ameis K, Bond V and **Kanaan Y** (October 10, 2011); INTECH Open Access Publisher (ISBN: 978-953-307-410-8).
<https://www.intechopen.com/books/acupuncture-concepts-and-physiology/degeneration-regeneration-as-a-mechanism-contributing-to-the-effect-of-manual-acupuncture-induced-in>.

Per-reviewed articles

1. Williams CD, McMillian SD, Harris K, Gonzalez F, Oseghe CC, **Kanaan YM**, Richardson F (2021) Challenge Meets Opportunity: A Community-Academic Collaboration Response to COVID-19. HUCM Research Digest publication (*in press*)
2. Robinson AG, **Kanaan YM**, Copeland RL (2020) Combinatorial Cytotoxic Effects of 2,3-Dichloro-5,8-dimethoxy-1,4-naphthoquinone and 4-hydroxytamoxifen in Triple-negative Breast Cancer Cell Lines. *Anticancer Res.* Dec;40(12):6623-6635. doi: 10.21873/anticancer.14687. Epub 2020 Dec 7. PMID: 33288557.
3. Beyene D, Daremipouran MR, Apprey V, Naab T, Kassim OO, Copeland RL, **Kanaan YM** (2020) The Association Between the Genetic VDR SNP c.907+75C>T and Prostate Cancer Risk is Modified by Tanning Potential. *Cancer Genomics Proteomics.* Nov-Dec 2020;17(6):739-745. doi: 10.21873/cgp.20228. PMID: 33099475.
4. Abbas M, Mason T, Ibad A, Khraiwesh M, Apprey V, **Kanaan Y**, Wilson B, Dunston G, Ricks-Santi L, Brim H (2020) Genetic Polymorphisms in IL-10 Promoter Are Associated With Smoking and Prostate Cancer Risk in African Americans. *Anticancer Res.* January; 40(1):27-34. PMID: 31892550.
5. Daremipouran MR, Beyene D, Apprey V, Naab TJ, Kassim O, Copeland RL, **Kanaan YM** (2019) The association of a novel identified VDR SNP with prostate cancer in African American men. *Cancer Genomics Proteomics.* 2019 Jul-Aug;16(4):245-255. doi:10.21873/cgp.20129. PubMed ID: 31243105.
6. Owrang M, **Kanaan YM**, DeWitty RL JR (2019) Ethnicity-related survival analysis of patients with triple-negative breast cancer. *EPiC Series in Computing. Proceedings of 34th International Conference on Computers and Their Applications.* Volume 58, Pages 236-246.
<https://easychair.org/publications/paper/hXq1>
7. Moses-Fynn E, Tang W, Beyene D, Apprey V, Copeland R, **Kanaan Y**, Kwabi-Addo B (2018) Correlating Blood-Based DNA Methylation Markers and Prostate Cancer Risk in African-American men. *PLoS One* Sept. 11;13(9):e0203322. PMID: 30204798.

8. Ren X, Ghassemi P, **Kanaan YM**, Naab T, Copeland RL, Dewitty RL, Kim I, Strobl JS, Agah M (2018) Kernel-Based Microfluidic Constriction Assay for Tumor Sample Identification. *ACS Sens.* Aug 24;3(8):1510-1521. doi: 10.1021/acssensors.8b00301. [Epub ahead of print] PMID: 29979037.
9. Wilson BD, Ricks-Santi LJ, Mason TE, Abbas M, Kittles RA, Dunston GM, **Kanaan YM** (2018) Admixture Mapping Links RACGAP1 Regulation to Prostate Cancer in African Americans. *Cancer Genomic and Proteomics*, May-June; 15(3):185-191. PMID:29695400.
10. Khan F, Ricks-Santi LJ, Zafar R, **Kanaan Y**, Naab T (2018) Expression of p27 and c-Myc by immunohistochemistry in breast ductal cancers in African American women. *Annals of Diagnostic Pathology*, Jun; 34:170-174. PMID:29715580.
11. Khan F, Esnakula A, Ricks-Santi LJ, Zafar R, **Kanaan Y**, Naab T (2018) Loss of PTEN in High Grade Advanced Stage Triple Negative Breast Ductal Cancers in African American Women. *Pathology - Research and Practice* May; (17)31307-9. PMID: 29653745.
12. Naab TJ, Gautam A, Ricks -Santi L, Esnakula AK, **Kanaan YM**, DeWitty RL, Asgedom G, Makambi K, Abawi M, Blancato JK (2018) MYC Amplification in Subtypes of Breast Cancers in African American Women. *BMC Cancer*, March; 18:274-285. PMID: 29523126.
13. Ricks-Santi L J Barley B, Winchester D, Sultan D, McDonald J, **Kanaan Y**, Sutton AL, Sheppard V, Pearson-Fields A, Williams C (2018) Affluence does not influence breast cancer outcomes in African American women. *JHCPU*, Feb; 29 (1): 509-529. PMID: 29503315.
14. Copeland RL, Beyene D, Apprey V, Naab TJ, Kassim OO and **Kanaan YM** (2017) DHPLC elution patterns of *VDR* PCR product and prediction of prostate cancer risk in African-American men. *Cancer Genomics and Proteomics*, Nov-Dec 14: 461-467. PMID: 29109096.
15. Owrang M, Copeland RL, Ricks-Santi L, Gaskins M, Beyene D, DeWitty RL, **Kanaan YM** (2017) Breast Cancer Prognosis for Young Patients. *In Vivo*, Jul-Aug; 31: 661-668. PMID: 28652435.
16. Khan F, Zafar R, Fidelia-Lambert, **Kanaan Y**, Naab Tammey (2017) Aggressive Well Differentiated Invasive Ductal Carcinoma Twelve Years after Bilateral Mastectomies for Invasive Lobular Carcinoma. *Int Clin Pathol J* 4(6): 00112.
17. Ricks-Santi LJ, McDonald JT, Gold G, Dean M, Thompson NE, Abbas M, Bradford W, **Kanaan Y**, Naab TJ, Dunston G (2017) Next generation sequencing reveals high prevalence of BRCA1 and BRCA2 variants of unknown significance in early-onset breast cancer in African American women. *Ethnicity & Disease*, April; 27(2): 169-178. PMID: 28439188.
18. Sheppard V, Cavalli RL, Dash C, **Kanaan YM**, Dilawari A, Horton Sara, Makambi KH (2017) Correlates of Triple Negative Breast Cancer and Chemotherapy Patterns in Black and White Women with Breast Cancer. *Journal of Clinical Breast Cancer*, June; S15268209(16):30571-7. PMID: 28189497.
19. Ibad AN, Naab T, **Kanaan Y**, Ricks-Santi LJ, Abbas M (2016) HPVs detected in African Americans not represented in vaccine. *Journal of Cancer Prevention and Current Research*, June; 5 (2): 00152. <http://medcraveonline.com/JCPCR/JCPCR-05-00152.php>

20. Thompson N, Ewing AT, Bonner JV, Wilson Bradford, Spencer Cherie, Williams Carla, **Kanaan YM**, Pearson-Fields A, Ricks-Santi L (2015) Know Your Family Ancestry, Conditions, Traits, and Traditions (FACTs) DC: Increasing Genomic Awareness in Underserved Communities. *Journal of Cancer Prevention & Current Research* 3(6): 00100.
21. Winchester D, Ricks-Santi L, Mason T, Abbas M, Copeland LR, Beyene D, Jingwi E, Dunston GM, **Kanaan YM** (2015) *SPINK1* Promoter Variants are Associated with Prostate Cancer Predisposing Alterations in Benign Prostatic Hyperplasia Patients. *Anticancer Res.* Jul; 35(7):3811-9. PMID: 26124326.
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25. Kassim OO, **Kanaan YM**, Kenguele H, Sergei Nekhai S, Ako-Nai KA, Copeland RL (2015) Antiproliferative Activities of *Fagara xanthoxyloides* and *Pseudocedrela kotschyi* Against Prostate Cancer Cell Lines. *Anticancer Res.* Mar; 35(3):1453-8. PMID:25750297.
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27. Beyene D, Darempouran M, Apprey V, Williams R, Ricks-Santi L, Kassim OO, Naab TJ, **Kanaan YM**, Copeland RL, Jr. (2014) Use of Tanning Potential as a Predictor for Prostate Cancer Risk in African-American Men. *In Vivo*, Nov-Dec; 28(6):1181-1187. PMID: 25398820.
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Published Abstracts/Poster Presentations

1. Stewart DA, Pathmasiri WW, Susan L, McRitchie SL, Naab TJ, DeWitty RL, Fripp VT, Beyene DA, Kassim OO, **Kanaan YM**, Sumner SJ, Copeland RL (2019) Common and unique breast and prostate cancer metabolic profiles in African Americans. 12th AACR Conference on the Science of Cancer Health Disparities in Racial/Ethnic Minorities and Medically Underserved. Hilton San Francisco Union Square, San Francisco, California, Sep 20-23, 2019. Poster # A085.
2. Anderson KS, Naab T, Kolosky LK, Anderson M, Lewis M, **Kanaan Y**, Afsari A, Ricks-Santi L, Pockaj BA, Barrett MT (2019) Tissue prevalence and cellular heterogeneity of 9p24.1 amplification in TNBC in African American women [abstract]. In: Proceedings of the 2019 San Antonio Breast Cancer Symposium; 2019 Dec 10-14; San Antonio, TX. Philadelphia (PA): AACR; Cancer Res 2020;80(4 Suppl):Abstract nr P2-10-17.
3. Stewart D, Pathmasiri WW, McRitchie SL, Buckley L, Naab, TJ, DeWitty RL, Fripp VT, Cooke-Sampson E, Beyene D, Ricks-Santi L, Copeland RL, Sumner SJ, **Kanaan YM** (2018) Metabolic profiles distinguish breast cancer progression in African American women. American Association of Cancer Research Annual meeting. McCormick Place North/South, Chicago, Illinois, USA. April 14-18, 2018. Poster #3603. DOI: 10.1158/1538-7445.AM2018-3603.
4. Stewart D, Pathmasiri WW, McRitchie SL, Buckley L, Naab, TJ, DeWitty RL, Fripp VT, Cooke-Sampson E, Beyene D, Ricks-Santi L, Copeland RL, Sumner SJ, **Kanaan YM** (2018) Metabolic profiles distinguish breast cancer progression in African American women (nutritionally-focused). Poster presented at the Nutrition Research Institute's Defining Precision Nutrition Symposium, Kannapolis, NC.
5. Safaa Turkustani, Tammey Naab, Muhammad M Hassan, Luciane Cavalli, **Yasmine M Kanaan** (2018) Expression of miRNA-150-5p in triple negative breast cancer of African-American and Non-Hispanic White patients. Armour Blackburn Center, HU, April 12, 2018.
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