

CURRICULUM VITAE

Muneer M. Abbas

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EDUCATION

- 1989-1993 **B.S.** (Biology)
Yarmouk University
School of Arts and Sciences
Irbid, Jordan
- 1993-1996 **M.Sc.** (Biology/Immunoparasitology)
Yarmouk University
School of Arts and Sciences
Irbid, Jordan
- 2002 - 2008 **Ph.D.** (Microbiology/Immunogenetics)
Howard University
Graduate School, Department of Microbiology Washington D.C., USA
- 2008 – 2012 **Post-doc** (Molecular Biology/ Immunogenetics)
The National Human Genome Center (NHGC)
Howard University, Washington DC

EMPLOYMENT HISTORY

- 2020-present Associate Professor, Department of Microbiology, College of Medicine, Howard University
- 2016-2020 **Assistant Professor**, Department of Microbiology, College of Medicine, Howard University and the NHGC
- 2015-present **Molecular genetics laboratory director**, The NHGC, College of Medicine, Howard University.
- 2008 – 2012 **Post-doc** (Molecular Biology/ Immunogenetics)
The National Human Genome Center (NHGC) Howard University
- 2003-2008 **Research Assistant**, Howard University Hospital/Immunogenetics Laboratory and the NHGC
- 1999-2002 **Lecturer Research Associate**, College of Medicine, King Khalid University and Hospital. Abha, Saudi Arabia.
- 1997-1999 **Teaching Assistant**, College of Sciences, Mutah University, Karak, Jordan

SCHOLARSHIPS, HONORS & AWARDS

College of Medicine Special Unit Award for coordinating Molecules and Cells Unit II for First-Year Medical Students. the award was given for demonstrating the most productivity in advancing the educational mission of the college of medicine, 2018.

HU Junior faculty scholar/ RCMI supplement award, 2017-present

Scholar-in-Training Award supported by Center to Reduce Cancer Health Disparities (CRCHD) of the National Cancer Institute

Howard University Bridge Fund/Pilot Study Award Program Recipient.
2015-2016

Howard/Hopkins Cancer Center Partnership, 2012

Education and Monitoring Core. Support for the summer Health Disparities Scholars Research Training program.

Faculty Author Certificate in recognition of work Published during 2008-09. Founders Library, Howard University.

Tuition remission award from 2003-2008. Graduate School Department of Microbiology, Howard University.

MEMBERSHIP IN PROFESSIONAL SOCIETIES

American Association for Cancer Research

American Society for Histocompatibility and Immunogenetics (ASHI)

American Society for Microbiology (ASM).

Sigma Xi: The Scientific Research Society.

The American Society of Human Genetics (ASHG).

NATIONAL COMMITTEE ACTIVITIES

2013 **Editorial Reviewer**, PLOS ONE Journal

UNIVERSITY AND DEPARTMENTAL TEACHING RESPONSIBILITIES

2017-present Focused **review sessions** for Medical student, College of Medicine

2015-present **Molecules and Cell II** for Medical Students, College of Medicine.

2015-present 231-303. **Biology of Pathogen II**, Graduate Students, College of

2013-present 231-418. **Special topics in Microbiology**, Graduate Students,
College of Medicine.

2013-present 231-228. **Research in Microbiology**, Graduate Students, College of
Medicine.
Medicine.

2010-present 231-307. **Virology**, Graduate Students, College of Medicine.

2010-present 231-300. **Biology of Pathogens I**, Graduate Students, College of
Medicine.

2009-present 16172-DENT. **Dental Microbiology**, College of Dentistry.

2009-present **Facilitator**, LCME for Medical students' small groups for
Immunology, and Bacterial and viral infections, Howard University College
of Medicine

2009-present 231-304. **Cell and Molecular Immunology**, Graduate Students,
College of Medicine.

2012-2014 85762-PHSC. **Microbiology for Pharmacy**, College of Pharmacy
(course coordinator in 2014, course discontinued)

UNIVERSITY AND DEPARTMENTAL ADMINISTRATIVE APPOINTMENTS

University Administrative Appointments:

2015-present Howard University Research Week Committee and Symposium Research Committee.
2015-present Medical Student Summer Research Program (MSSRP) Review Board, Howard University College of Medicine.
2012-present Cancer Center Biorepository committee.
2013- present Internal committee and in the pilot projects review panel, CHaRM, Pharmacology, College of Medicine.
2013-2015 Committee member in the W. Montague Cobb Research Laboratory board. Howard University.

Departmental Administrative Appointments:

2018-present Coordinator of Molecules & Cells-2 (MC-2) for first-year medical students.
2014-present Research Committee, Microbiology Department.

Services

2018-present Member of the College of Medicine Curriculum subcommittee.
2017 Junior faculty member in the **LCME** accreditation process.
2015-Present Member of the College of Medicine Admission committee.
2016-present **Grants' Reviewer** at Howard University CHaRM Pilot grants, Pharmacy Department, College of Medicine.
2012-Present Committee member and Judge, Research Symposium Week, Howard University
2011-present **Mentor** for undergraduate students supported by the Louis Stokes Alliance for Minority Participation (LSAMP) Program in the STEM field.

MENTORING AND RESEARCH DISSERTATION ADVISOR

GRADUATE STUDENTS

Abrar Aloufi, Ph.D. (2016-2020). Vitamin D Receptor Polymorphisms and Vitamin D-Associated miRNAs in the Development of Breast Cancer in African American Women.
Nicole Retland, Ph.D. (2015-2020). Association of Genetic Variation in the Serotonin Receptor 2A with Breast Cancer in African American Women
Areej Alyahyawi, Ph.D. Student (2015-2020). GENETIC VARIATION IN 5-HT2A IS ASSOCIATED WITH STRESS AND IMMUNE RESPONSE BIOMARKERS IN AFRICAN AMERICAN YOUNG ADULTS
Afnan Shakoori, Ph.D. Student (2015-2020). Genetic and Epigenetic Associations of Serotonin Receptor 7 (*HTR7*) with Breast Cancer in African American Women
Aliza Ibad. Ph.D. (2014-2017) Genetics and Epigenetics of HPV-Infected Anal Cancer.
Grace Swanson, Ph.D. (2012- 2017) Genetic variation in serotonin type 7 receptor (5-HT7) gene and its association with C-reactive protein (CRP) levels in African-Americans. Microbiology Department.

Kimberly Mason, Ph.D. student (2012-2014) An Analysis of the Vitamin D Binding Protein Gene Variants, and Associated Risks for Prostate Cancer Among African American Men. Microbiology Department.

Kimberly Miller, Master's Student (2012-2013) DNA Variation in Foxp3 and DRD2 and Its Association with C-Reactive Protein. Biology department.

MEMBER OF RESEARCH DISSERTATION COMMITTEES

GRADUATE STUDENTS

Christine Clarke, Chair of Committee (2016), Immunoregulation of Eosinophil Growth, Migration and 3-Dimensional Tumor Spheroid-Invasion by Charcot-Leyden Crystal Protein
Ashley Queen (2013-2016), Investigating the phenotypic and clinical features associated with the presence or absence of BRCA1 gene mutations in breast cancer patients. Microbiology Department.

Christina Johnson (2012-2015) Use of Allogenicity to Stimulate Effector Responses Against Multiple Myeloma. Microbiology Department

Danyelle Winchester (2012-2015) Genetics, College of Medicine, SPINK1 Promoter Variants Are Associated with Prostate Cancer Predisposing Alterations in Benign Prostatic Hyperplasia Patients. Genetics and Human Genetics Department.

Douglas Mansell (2014-2018). Regulation of Asthmatic Airway Inflammation by Vitamin D in Inner-City Youth. Microbiology Department

Zeina Al-Sharawi (2014- present) Calcium channels: Potential new therapeutic targets for hormone-independent and resistant breast cancers. Genetics and Molecular Genetics Department

Lance Buckley (2012) Characterizing commonalities and differences between the breast and prostate cancer metalotypes in African American Cohorts. Microbiology Department.

RESEARCH TRAINING

GRADUATE STUDENTS (Research Mentor)

Abrar Aloufi (2015-2019), Microbiology.

Areej Al-Mohyawi (2015-2020), Genetics and Human Genetics.

Nicole Retland Morland (2015-2020), Microbiology.

Afnan Shakoury (2015-2020), Genetics and Human Genetics.

Aliza Ibad (2014-2017), Microbiology Department.

Grace Swanson (2012-2017), Microbiology Department.

MEDICAL STUDENTS and RESIDENTS, College of Medicine

Radhika Kakarla, M.D. Resident, 2016-2017

Walid Aziz, M.D. Resident, 2016-2018

Dominic Smith, Student (2013)

Alexandria Wells, Student (2015)

Otega Esegine, Student (2015- 16)

Mr. **Aaron Oates**'s application for the Summer Research Training Program for Minority Medical Students at Harvard

Mr. **Abhishek Tippabhatla**'s application for the neonatology research program at Boston's children's hospital.

Mr. **Justen Ahmad**'s application for the Health Resources and Services Administration (HRSA) National Health Service Corps (NHSC) Scholarship Program

Ms. **Katie Nguyen**'s application to the Summer Internship Program (SIP) at the National Institutes of Health (NIH).

Ms. **Richu Raju** . **Data Science Research Program.**

Mr. **Sanjum Singh**'s application for the Nth Dimensions Summer Internship (NDSI).

UNDERGRADUATE STUDENTS

Stephanie Miller (2012-2014), LSAMP program, Biology Department
Taqiyyah Gerald (2012), LSAMP program, College of Arts and Science
Bukola Akintayo (2014-2015), LSAMP program, Biology Department
Arquel Miller, (2016/2017), IREPHU program. Biology Department
Courtney Dalton, (2016/2017), IREPHU program. Biology Department
Tatyana Cawthorne, (2016/2017), IREPHU program. Biology Department
Ghafona Iduwe, (2016/2017), IREPHU program. Biology Department
Nika Sewell, (2016/2017), IREPHU program. Biology Department
Douglas, Jelani, IREPHU, College of Arts and Science
Traore, Ziann, IREPHU, College of Arts and Science
Stewart, Charlye, IREPHU, College of Arts and Science
Mack, Kiana, IREPHU, College of Arts and Science
Oduro, Afio, IREPHU, College of Arts and Science
Emanuel Demissei(2016-present), LSAMP program, College of Arts and Science
Ashley Miller(2016-present), LSAMP program, College of Arts and Science

PROFESSIONAL DEVELOPMENT

- 2018 HU College of Medicine 2018 Faculty Development Annual retreat. Thursday, May 31st at the AAMC.
- 2018 Writing the Specific Aims Section for an NIH Grant. Office of Research Development, Howard University, Thursday, February 22, 2018
- 2017 American Physiological Society, Physiological and Pathophysiological Consequences of Sickle Cell Disease conference. Washington DC, November 6-8, 2017.
- 2017 XULA-COP 10th Health Disparities Conference, March 16–17, 2017, New Orleans, LA
- 2017 RCMI Georgetown Grant writing workshop
- 2017 Interdisciplinary Active Learning Retreat, College of Medicine
- 2016 OFD- Health policy workshop, Office of Continuing Medical Education, College of Medicine, Howard University
- 2016 University of Kentucky Grant Writing Workshop
- 2015 Eighth AACR Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and Medically Underserved.”
- 2012 Advanced Training Course, Frontiers in Stem Cells in Cancer. Howard University, Washington DC
- 2010 60th Annual Meeting of the American Society of Human Genetics (ASHG)
- 2009 59th Annual Meeting of the American Society of Human Genetics (ASHG) Honolulu, Hawaii.
- 2008 34th Annual Meeting of the American Society for Histocompatibility and

- Immunogenetics (ASHI), Toronto, Canada
- 2006 32nd Annual Meeting of the American Society for Histocompatibility and Immunogenetics (ASHI). San Diego, CA.
- 2006 Workshop on GTI's QuickScreen, B Screen, QID, and C2ID ELISA assays. The American Board of Histocompatibility and Immunogenetics (ABHI). GTI, INC. Howard University
- 2006 Workshop training on HLA SSO Typing and LifeMatch HLA antibody screening. TEPNEL Lifecodes, Howard University
- 2002 Workshop on Micro SSP Primer Recognition Sites, Sequence-Specific Primer Amplification, and PCR Troubleshooting, One Lambda, Inc. Howard University
- 2001 Training workshop on HLA typing Using PCR Technology organized By One Lambda Inc. King Khalid University, Abha, Saudi Arabia
- 1995 Workshop on Leishmania Typing using Monoclonal antibodies and excreted factors. Casablanca, Morocco
- 1995 Workshop on Characterization of *Leishmania* by Polymerase Chain Reaction(PCR). Istanbul, Turkey

ORAL PRESENTATIONS

- 2019 The National Human Genome Center, Immunogenetics in Health and Disease.
- 2017 Department of Microbiology Symposium. Immunogenetics in health and diseases.
- 2016 Cobb Laboratory Research Symposium, Howard University. Building the Howard University Biorepository
- 2016 Howard University, Research Symposium, Association of IL-10 promoter polymorphisms with prostate cancer risk in African-Americans.
- 2012 DIDARP (Diversity-promoting Institutions Drug Abuse Research Program) Dissertation and Pilot Studies. Genetic Variation in Serotonin Receptor Type 7 (5-HT7) Gene and its Association with C-reactive Protein (CRP) Levels in African-Americans.

RESEARCH ACTIVITIES / PROJECTS ONGOING OR COMPLETED

Submitted

1. "Association of exposure to violence and genetic variation in the serotonin receptors with markers of innate and adaptive immunity." **Submitted** to Grants.gov on 05/27/2015 with Tracking Number: **GRANT11916673**
2. QII – TAQS NSF 19-532: Probing electronic-photon correlations in functionally relevant biological systems. CO-PI. 2019.

In Preparation

1. Interinstitutional NSF grant (NSF 19-559): quantum Leap Challenge Institutes (QLCI). Dr. Philip Kurian and I will be co-PIs in that grant that includes ASU and UCLA. The anticipated Funding Amount: \$94,000,000.

Funded

CO-PI, NSF 19-599, QLCI - CG: Conceptualizing a Quantum Information Bioscience Institute for Quantum Sensing and Simulations in Novel Hybrid Architectures, \$103,701.

Investigator, SR01MD005851-02 (Sdaatmand, Frough, PI), 09/01/2015- 02/15/2017 \$60,000, Gender stratification of behavioral and biological pathways associated with violence exposure, depression, immune function, and risks to HIV/AIDS. The primary goal of this trans-disciplinary study of African American young adults is to develop a predictive model to identify gender differences which, based on their exposure to urban violence, may be at greater risk for HIV/AIDS and should be targeted for existing prevention programs.

Principal Investigator, Howard University College of Medicine Bridge Funds and Pilot Award Program, 11/23/2015-11/21/2016, \$25,000. "Association of Genetic Variation in Serotonin Receptor 5HT2A with Markers of Innate and Adaptive Immunity" The goal of this research project is to examine the hypothesis that innate and specific immune markers are associated with genetic polymorphism in Serotonin receptor 5-HT2A expressed on immune cells. This will help to identify African Americans that are at risk for inflammatory diseases related to environmental stressors and increase the risk of health disparities.

Co-Investigator/ Director of Biorepository Core. P50HL118006 (Robert Taylor PI) 7/1/2014-present, NIH/P50 Center for Hemoglobin Research in Minorities (CHaRM). The aim of this funding is to establish a centralized Biorepository infrastructure at the Sickle Cell Center. This will speed the translation of basic research to treatments and cures.

Principal investigator, a Pilot project awarded from 5R24DA021470-04 (P.I. Kathy Sanders-Phillips) NIH/NIDA, 8/1/20012-5/1/2013, \$14,431.45. Research Training in the prevention of drug abuse & AIDS in communities of color. **Pilot Project Title:** Genetic Variation in the Human Serotonin Receptor Gene (5- HT7) and Its Association with Immune Response and HIV/AIDS. This pilot study examined potential relationships between serotonin receptors and immune function utilizing data that has been collected in a study titled "Biological and Social Correlates of Drug Use in African American Emerging Adults."

Co-investigator, 1R01MD005851-01A1(P.I. Forough Sadaatmand), 7/12/2012-1/31/2017, \$359,440.00, NIH/National Institute on Minority Health and Health Disparities. **Grant Title:** Violence exposure, immune functions & HIV/AIDS risks in African Americans. The primary goal of this study is to identify subgroups of African American young adults who may be at greater risk for exposure to HIV and should be targeted for prevention programs.

Director of the NHGC, HU Sickle Cell Disease Center, and the RCMi Biorepositories. The goal of this research is to coordinate the collection, handling, processing, and bio-banking of valuable clinical and environmental samples collected under specific projects.

Investigator, W. Montague Cobb Research Laboratory at Howard University. My role is to supervise and assist in ancient DNA extraction and genotyping from over 400 years of African American bone collections. This will help trace recent historical events by integrating ancient genomics and modern genomics.

Selected ABSTRACTS/POSTERS

1. The role of human 5-HTR2A in miRNA expression in the triple negative breast cancer cell line. Nicole Retland Moreland, Abrar Aloufi¹, Areej Alyahyawi, Afnan Shakoori², Joseph Aubee¹, Karl Thompson, Ph.D. Muneer Abbas, Ph.D. AACR Annual Meeting 2020, June 22 - 24, **2020**. Virtual Meeting.
2. The role of human 5-HTR2A in miRNA expression in the triple negative breast cancer cell line. Nicole Retland Moreland, Abrar Aloufi¹, Areej Alyahyawi, Afnan Shakoori², Joseph Aubee¹, Karl Thompson, Ph.D. **Muneer Abbas, Ph.D.** RCMI **2019** National Conference. December 15-17, 2019, Bethesda Maryland.
3. HPV, HIV and Male Gender as Major Risk Factors for Anal Neoplastic Transformation in African Americans. Hassan Brim, Ali Afsari, Nazli Atefi, Nicole Retland, **Muneer Abbas**, Tammy Naab, babak Shokrani, Edward Lee, Mehdi Nourraie, Hassan Ashktorab. AACR 2018 meeting in Chicago April 2018
4. **Muneer M. Abbas**, Tshela Mason, Luisel Rick-Santi, Victor Apprey, Rick Kittles, Chiledum Ahaghotu, Georgia Dunston. IL-10 promoter polymorphisms are associated with prostate cancer risk in African Americans. Eighth AACR Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and Medically Underserved". November 13-16, 2015.
5. Luisel Ricks-Santi, John McDonald, Cha'Tonya Brown, Latiffany Prince, **Muneer Abbas**, Georgia Dunston. Targeted next-generation sequencing of hotspots in cancer genes in normal-tumor breast cancer patients of African ancestry reveals novel and known mutations. Eighth AACR Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and Medically Underserved". November 13-16, 2015.
6. Cha'Tonya Brown, John McDonald, **Muneer Abbas**, Georgia Dunston, Yasmine Kanaan, Luisel Ricks-Santi. BRCA1 and BRCA2 mutational spectra in African American men with prostate cancer. Eighth AACR Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and Medically Underserved". November 13-16, 2015.
7. **Abbas M.**, Mason T., Ricks-Santi L., Bonney G., Apprey V., Kittles R., Ahaghotu C., Georgia M. Dunston. Association of IL-10 promoter polymorphism with prostate cancer in African Americans. Human Immunology. ASHI meeting. 2011.
8. Miranda M.T., Suárez E., **Abbas M.**, Chinae Á., Tosado R., Mejías I., Boukli N., Dunston G.M., HLA en Pacientes con Esclerosis Múltiple en Puerto Rico. Latin American Committee for Treatment and Research in Multiple Sclerosis. August 12-14 2010. Santiago, Chile.
9. Arrey B., Karla P., Williams C., Wilson S., Ricks-Santi L., Mason T., **Abbas M.**, Apprey V., Bonney G., Anthony W., Dunston G., DRD2 Single Nucleotide Polymorphisms are associated with nicotine dependence in an urban population of African American smokers. The American Society of Human Genetics (ASHG) 60th Annual Meeting. November 2-6, 2010. Washington, DC.
10. Jingwi E.Y., Ricks-Santi L., **Abbas M.**, Mason T., Jackson C., Arrey B., Apprey V., Bonney G., Adeyemo A., Rotimi C.N., Lee C.M., Dunston G.M., Faruque M.U., Association of ADAM33 polymorphisms with asthma in African Americans. The American Society of Human Genetics (ASHG) 60th Annual Meeting. November 2-

- 6, 2010. Washington, DC.
11. **Abbas M.**, Ricks-Santi, L., Mason T., Bonney G., Apprey V., Dunston, G.M., Selection of polymorphisms in innate immunity in Trachoma. 12th RCMI International Symposium on Health Disparities. December 6-9, 2010. Nashville, Tennessee.

PUBLICATIONS

Submitted

1. HPV16 lineage B is associated with anal cancer in African Americans submitted to **Cancer Prevention Research Journal**.

In preparation

1. Vitamin D Receptor Polymorphisms and Vitamin D-Associated miRNAs in the Development of Breast Cancer in African American Women.
2. Genetic Variation in *5-HT2A* and Immune Response in African American Young Adults.
3. Association of Genetic Variation in the Serotonin Receptor 2A with Breast Cancer in African American Women.
4. Genetic and Epigenetic Associations of Serotonin Receptor 7 (*HTR7*) with Breast Cancer in African American Women.

Published

1. Abbas M, Mason T, Ibad A, Khraiwesh M, Apprey V, Kanaan Y, Wilson B, Dunston G, Ricks-Santi L, Brim H. Genetic Polymorphisms in IL-10 Promoter Are Associated with Smoking and Prostate Cancer Risk in African Americans. *Anticancer Research Journal*. 2020, 4(1), 27-34.
2. Brim H, Yooseph S, Lee E, Sherif ZA, **Abbas M**, Laiyemo AO, Varma S, Torralba M, Dowd SE, Nelson KE, Pathmasiri W, Sumner S, de Vos W, Liang Q, Yu J, Zoetendal E, Ashktorab H. [A Microbiomic Analysis in African Americans with Colonic Lesions Reveals *Streptococcus* sp.VT162 as a Marker of Neoplastic Transformation](#). *Genes (Basel)*. 2017 Nov 9;8(11). pii: E314. doi: 10.3390/genes8110314.
3. Wilson, B. D., Ricks-Santi, L. J., Mason, T. E., Abbas, M., Kittles, R. A., Dunston, G. M., & Kanaan, Y. M. (2018). Admixture Mapping Links RACGAP1 Regulation to Prostate Cancer in African Americans. *Cancer genomics & proteomics*, 15(3), 185–191. doi:10.21873/cgp.20076
4. Bradford D. Wilson, Earl B. Ettienne, Victor Apprey, Adaku Ofeogbu, **Muneer Abbas**, Georgia M. Dunston, Forough Saadatmand. Opioid Metabolizing Enzyme Allele Frequencies and Drug Use in a Cohort of African American Young Adults. *ARC Journal of Addiction* Volume 2, Issue 2, 2017, 4-9.

5. Channing Judith Paller, Elisabeth I Heath, Mary-Ellen Taplin, Mark N Stein, Glenn J Bubley, Roberto Pili, Tina M Mayer, Xian Chong Zhou, Tamaro Hudson, **Muneer Abbas**, Nicole Anders, Donna Dowling, Serina King, Charles G Drake, Emmanuel S Antonarakis, Mario A Eisenberger, Samuel R Denmeade, Michelle A Rudek, Gary L Rosner, Michael Anthony Carducci. [A phase II study of muscadine grape skin extract in men with biochemically recurrent prostate cancer](#). *Journal of Clinical Oncology* 2017, 35, 248-248.
6. Swanson, G; Miller, S; Alyahyawi' A; Wilson, B; Saadatmand, F; Lee, C; Dunston, G; **Abbas M**. Genetic polymorphisms in the serotonin receptor 7 (*HTR7*) gene are associated with cortisol levels in African American young adults. *F1000Research* 2017, 6:19
7. Achinko D, Dormer A, Narayanan M, Norman E, **Abbas M**. Regulatory patterns of differentially expressed genes in Ebola and related viruses are critical for viral screening and diagnosis. *F1000Research* 2017, 6:275
8. Achinko DA, Dormer A, Narayanan M, Norman, E, Abbas M. Identification of genetic pathways driving Ebola virus disease in humans and targets for therapeutic intervention [version 1; peer review: 1 not approved]. *F1000Research* 2016, 5:2810 (<https://doi.org/10.12688/f1000research.9778.1>)
9. Aliza N Ibad, Tammey Naab, Yasmine Kanaan, Luisel J Ricks-Santi, **Muneer Abbas**. *JCPCR*. 2017. 5(2): 00152.
10. Ricks-Santi L, McDonald JT, Gold B, Dean M, Thompson N, **Abbas M**, Wilson B, Kanaan Y, Naab TJ, Dunston G. Next Generation Sequencing Reveals High Prevalence of BRCA1 and BRCA2 Variants of Unknown Significance in Early-Onset Breast Cancer in African American Women. *Ethn Dis*. 2017 Apr 20;27(2):169-178.
11. **Abbas M**, Berka N, Khraiwesh M, Ramadan A, Apprey V, Furbert-Harris P, Quinn T, Brim H, Dunston G. Genetic Polymorphisms of TLR4 and MICA are Associated with Severity of Trachoma Disease in Tanzania. *Autoimmune Infect Dis*. 2016 Jun;2(3).
12. Winchester D., Ricks-Santi L., Mason T., **Abbas M.**, Copeland R.L. Jr, Beyene D., Jingwi E.Y., Dunston G.M., Kanaan Y.M. SPINK1 Promoter Variants Are Associated with Prostate Cancer Predisposing Alterations in Benign Prostatic Hyperplasia Patients. *Anticancer Res*, 2015. 35(7): p. 3811-9.
13. Jingwi, E.Y., **Muneer M.A.**, Luisel R., Danyelle A.W., Desta B., Tammey J.N., Olakunle O.K., Georgia M.D., Robert L.C., Yasmine M.K., Vitamin D Receptor Genetic Polymorphisms Are Associated with PSA Level, Gleason Score and Prostate Cancer Risk in African-American Men. *Anticancer Res*, 2015. 35(3): p. 1549-58.
14. Miranda, M.T., Suárez E., **Abbas M.**, China A., Tosado R., Mejías I.A., Boukli N.M., Dunston, G.M., HLA class I & II alleles in multiple sclerosis patients from Puerto Rico. *Bol Asoc Med P R*, 2013. 105(1): p. 18-23.
15. Ricks-Santi, L.J., Apprey V., Mason T., Wilson B., **Abbas M.**, Hernandez W., Hooker s., Doura M., Bonney G., Dunston G., R Kittles R., Ahaghotu C., Identification of genetic risk associated with prostate cancer using informative ancestry markers. *Prostate Cancer Prostatic Dis*, 2012. 15(4): p. 359-64.
16. Khraiwesh, M.H., Clarence M.L., Yakini B., Emmanuel S.A., Solomon B., Genelle G., **Abbas M.**, Ampy F.R., Mohammed A., Bakare O., Antitrypanosomal Activities and Cytotoxicity of Some Novel Imido-substituted 1,4-Naphthoquinone Derivatives. *Archives of Pharmacal Research*, 2012. 35(1): p. 27-33.

17. **Abbas, M.**, Bobo LM., Hsieh Y., Berka N., Dunston G., Bonney G., Apprey V., Quinn T.C., West S., Human leukocyte antigen (HLA)-B, DRB1, and DQB1 allotypes associated with disease and protection of trachoma endemic villagers. *Invest Ophthalmol Vis Sci*, 2009. 50(4): p. 1734-8.
18. **Abbas M.**, Bobo L.D., Berka N., Bonney G., Apprey V., Dunston G., Association of polymorphisms in innate and adaptive immune response genes in an East African cohort with Trachoma. *Human Immunology*, 2008. 69(1): p S47.
19. **Abbas M.**, Bobo L., Apprey V., Berka N. Bonney G., Dunston G.M., HLA allele frequencies in Tanzania villagers in association with trachoma. *Human Immunology*, 2006. 67(1): p S164.
20. **Abbas M.**, Berka N., Bobo L., Dunston G.M. DNA yield from buccal swabs and its utilization in HLA typing using Luminex SSO bead technology. *Human Immunology*, 2004. 65(1): p S81.
21. **Abbas M.**, Al-Daher H., Kamhawi S., Abdel-Hafez S., The Composition, Ecology, and Distribution of Sandflies in a *Leishmania Tropica* Focus in Northern Jordan. *Abhath AL-Yarmouk*, 2003. 12(1): p. 37-55.