Curriculum Vitae

Faculty Name: Victoria Mgbemena

Work Address: P.O. Box 519; MS 2210
Prairie View, TX 77446

Position Title: Assistant Professor
Office Location: E.E. O'Banion Science Bldg., Suite 430-AC
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Education:

Degree and Area of Study	Institution Name	Degree Date
Ph.D., Biomedical Sciences-Microbiology and Immunology	UTHSCSA	2013
B.S., Biology	Baylor University	2008

Fellowship/ Research Experience:

Position Title	Institution Name	Position Dates (Beginning and End)
Postdoctoral Fellow	UT Southwestern Medical Center	2013-2018

Professional Publications:

Lopez-Perez G, Wijayatunge R, McCrum KB, Holmstrom SR, **Mgbemena VE**, Ross TS. BRCA1 and TP53 codeficiency causes a PARP inhibitor-sensitive erythroproliferative neoplasm. JCI Insight. 2022 Dec 22;7(24):e158257. doi: 10.1172/jci.insight.158257. PMID: 36346676; PMCID: PMC9869974.

Iacobas DA, **Mgbemena VE**, Iacobas S, Menezes KM, Wang H, Saganti PB. Genomic Fabric Remodeling in Metastatic Clear Cell Renal Cell Carcinoma (ccRCC): A New Paradigm and Proposal for a Personalized Gene Therapy Approach. Cancers (Basel). 2020 Dec 8;12(12):3678. doi: 10.3390/cancers12123678. PMID: 33302383; PMCID: PMC7762545.

Holmstrom SR, Wijayatunge R, McCrum K, **Mgbemena VE,** Ross TS. Functional Interaction of BRCA1 and CREBBP in Murine Hematopoiesis. *iScience*. (2019);19:809-820. doi:10.1016/j.isci.2019.08.031

Wijayatunge R, Holmstrom SR, Foley SB, **Mgbemena VE**, Bhargava V, Perez GL, McCrum K, Ross TS. Deficiency of the Endocytic Protein Hip1 Leads to Decreased *Gdpd3* Expression, Low Phosphocholine, and Kypholordosis. Mol Cell Biol. (2018). PMCID: PMC6234285

Mgbemena VE; Signer, RAJ; Wijayatunge, R; Dietrich, M; Laxson, T; Morrison SJ & Ross, TS. Distinct Brca1 mutations differentially reduce hematopoietic stem cell function. Cell Reports (2017). PMCID: PMC5267932

Foley SB; Rios JJ; **Mgbemena VE**; Robinson LS; Hampel HL; Toland, AE; Durham L & Ross TS. Use of Whole Genome Sequencing for Diagnosis and Discovery in the Cancer Genetics Clinic. EBioMedicine, (2015). PMCID:PMC4444225

Skills: Proficient in murine stem-cell transplantation and tissue assays using Flow Cytometry,DNA and RNA extraction methods, qPCR, RNA-seq sample preparation and data analysis, Western Blot, ELISA, gel electrophoresis, (primary) cell culture, immunoprecipitation, transformation, transduction, RNA interference, murine models