

DeMario Montez Butts, MD

TRAINING

Ascension Providence Hospital, Southfield, MI
Emergency Medicine Residency

July 2022- Present

Howard University Hospital, Washington, D.C.
General Surgery Residency

July 2020– June 2022

EDUCATION

Howard University College of Medicine, Washington, D.C.
Doctor of Medicine

July 2016 – May 2020

Georgia State University, Atlanta, Georgia
Masters of Science in Biology

August 2015
GPA: 3.55

Morehouse College, Atlanta, Georgia
Bachelor of Science in Biology and Chemistry

May 2010
GPA: 3.2

HONORS AND AWARDS

Medical School

- The Josiah Macy Jr. Foundation Scholarship
- The National Medical Enterprise Endowed Scholarship
- The Isadore Lattman Scholarship
- Lamber Goodnow 2020 Medical School Scholarship
- The Class of 1971 Endowed Scholarship
- UF/Morehouse International Research Experiences for Undergraduates (REU) Scholar in Brazil
- Alpha Epsilon Delta National Health Careers Honor Society
- Beta Kappa Chi National Scientific Honor Society

EXTRA CURRICULAR

- 100 Black Men of American, Washington, DC Chapter
- Emergency Medicine Residents Association – Health Policy Committee --Member
- The New Freedmen’s Free Health Clinic at Howard University College of Med –Social Services Chairperson
- American College of Surgeons- Resident Member (Diversity Committee)
- HUCM Plastic Surgery Interest Group – Co-President/Founder
- HUCM Surgery Interest Group –Member – 2016-2020
- HUCM Pediatric Interest Association – Member -2017- 2020

VOLUNTEER EXPERIENCE

Medical Mission Trips -Guatemala

July 2019

Volunteer Medical Assistant

- Assisted in providing medical aid and support to impoverished villages within rural mountain locations and additional areas within Guatemala as a volunteer with Health Talents International

New York Avenue Men's Emergency Shelter –Washington, DC, *Volunteer*

2016-2018

Paul Laurence Dunbar High School –Washington, DC, *Volunteer*

2017

TEACHING EXPERIENCE:

Howard University College of Medicine

May 2017- July 2017

Med-STARs Tutor

- Developed and implemented lesson plans for peers during summer remediation.
- Reviewed and evaluated progress regularly to encourage and motivate class participation and overall exam performance

Howard University College of Dentistry

May 2017- July 2017

Summer Health Professions Program (SHPEP) Tutor/Mentor

- Tutored and helped develop a summer curriculum in Organic Chemistry for college sophomores and juniors interested in Medicine, Dentistry, Pharmacy and Nursing.

Georgia Highlands College

January 2016- July 2016

Adjunct Assistant Professor of Biology

- Experience in teaching introduction to biology, general biology and Anatomy and Physiology I & II courses including course required laboratories.
- Incorporates diverse instructional methods and resources for optimal learning such as interactive demonstrations, on-line learning resources, laboratory projects and articles for discussion.
- Develops and implements lesson plans for diverse classes up to 50 students each semester.
- Reviews and evaluates students' progress regularly to encourage and motivate class participation and students overall grade.

RESEARCH EXPERIENCE

Diagnostic Solutions, Atlanta, Georgia

July 2015- July 2016

Lab Technician

- Develop and validate unique molecular diagnostic assays for detection of pathogen-associated gastroenteritis, gastrointestinal microflora quantification, opportunistic pathogens quantification, and antibiotic resistance gene detection.
- Implement and maintain both lab-developed assays and IVD assays in a clinical gastroenterology laboratory.
- Responsible for daily functions of a CLIA compliant molecular laboratory, including accurate sample receipt, DNA isolation, testing performance, reporting of patient results, maintenance of laboratory assets and records.
- Implement and modify standard operating procedures (SOPs) for all laboratory practices.

Gen-Probe, Incorporated, San Diego, California

May 2011-July 2012

Research Associate I

- Conducted basic laboratory bench experiments
- Assisted others in carrying out assignments involving a variety of laboratory methods, equipment and procedures
- Assisted in the development of procedures for FDA approval
- Operated lab equipment (instruments designed for nucleic acid testing) and perform routine maintenance/repair

The Scripps Research Institute, La Jolla, California

July 2010 - Jan 2011

Research Associate I

- Analyzed the mechanism by which the peptidyl-prolyl cis/trans isomerase, PIN-1, is incorporated and modulates the infectivity of the human immunodeficiency virus (HIV-1) in human cells.
- Assisted in building a library of HIV mutants, treatment and purification of library fragments, ligation of fragments into vectors, transformations, and DNA preparation.
- Preparation of viruses (HIV), transfections, and infections of human TZM/293T cells
- Performed monoclonal screening by luminescent ELISA and colorimetric ELISA in identifying unique antibodies that were selected against specific targets.
- Analyzed protein production in infected cells by western blotting and (co)-immunoprecipitation

State University of Campinas, Chemistry Institute, Sao Paulo, Brazil

May 2009 - Sept 2009

Undergraduate Researcher

- Analyzed and prepared micro/macro-scale synthetic reactions
- Detected and isolated alkaloids in the tree bark extract of Erythrina mulungu.
- Performed separation techniques such as column chromatography and thin-layer chromatography to purify the compounds of interest.
- Classified the product of interest through analytical techniques such mass spectrometry, infrared spectrometry and nuclear magnetic resonance (NMR), in order to determine the elemental composition.

Morehouse School of Medicine, Atlanta, GA

November 2008-May 2010

Undergraduate Researcher

- Investigated whether or not telomerase up-regulation is necessary for neuregulin-dependent cell survival during hypoxia.
- Analyzed changes in telomerase expression in response to serve oxidative stress by Real-Time PCR and western blot.
- Prepared and developed B-35 neuroblastoma fibroblast cells to measure telomerase expression during a stroke/ and other neurodegenerative diseases.
- Developed a time course analyzes for telomerase expression during hypoxia.

Princeton University, Princeton, NJ

May 2008-August 2008

Undergraduate Researcher

- Determined the relationship between the replication machinery and pif1 DNA helicase during chromosomal replication.
- Measured the telomere lengths through the technique of Southern blotting
- Measured protein production and replication events through western blot and Bradford/BCA assays

CERTIFICATIONS

Advanced Cardiovascular Life Support (ACLS)
Advanced Trauma Life Support (ATLS)
Basic Life Support (BLS)
Pediatric Advanced Life Support (PALS)

PUBLICATIONS

Original Articles

DeMario Montez Butts, MD¹, Dylan R. Bezzini, MD¹, Babak Shokrani, MD², Henry Paul Jr.. Primary Mucinous Adenocarcinoma of the Skin: A Rare Tumor. *Manuscript submitted*

Dylan R Bezzini, MD, George N Washington, MD, Olumayowa Abiodun, MD, Olubode A Olufajo, MD, MPH, India Jones, BS, **DeMario Montez Butts**, BS, Gezzar Ortega, MD, MPH, Henry Paul, Jr, MD, FACS, The Potential Impact of Plastic Surgery Expertise on Body Contouring Procedure Outcomes, *Aesthetic Surgery Journal*, sjaa056, <https://doi.org/10.1093/asj/sjaa056>

Abstracts and Posters

Uzamere T, **Butts D**, and Sharif W. Neuregulin induces telomerase expression in response to oxidative stress. Abstract accepted for presentation at the 3rd AACR Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved. October 2010.

Brown J, **Butts D**, and Sharif W. Telomerase expression is upregulated in response to severe oxidative stress. Abstract accepted for presentation at the 101st Annual Meeting of the American Association for Cancer Research. April 2010.