

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors.
Follow this format for each person. **DO NOT EXCEED FIVE PAGES.**

NAME: Mgboji, Glory

eRA COMMONS USER NAME (credential, e.g., agency login):

POSITION TITLE: Heed Fellowship

EDUCATION/TRAINING (*Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.*)

INSTITUTION AND LOCATION	DEGREE (if applicable)	Start Date MM/YYYY	Completion Date MM/YYYY	FIELD OF STUDY
University of Maryland (College Park, MD)	B.S.	09/2013	05/2017	Biochemistry
Johns Hopkins School of Medicine (Baltimore, MD)	M.D.	08/2018	05/2022	Medicine
Washington University School of Medicine (Residency – St. Louis, MO)		07/2022	06/2026 (Expected)	Ophthalmology

A. Personal Statement

I am a graduating ophthalmology resident with a strong foundation in clinical research spanning ophthalmic disease, global health, and interdisciplinary care. My scholarly work has focused on corneal and retinal disease, health disparities, and clinical decision-making, resulting in multiple peer-reviewed publications in journals such as American Journal of Ophthalmology, Cornea, and PLOS Neglected Tropical Diseases. Through these experiences, I developed an interest in improving patient outcomes through evidence-based and data-driven approaches.

As I advanced through my residency training, real-time clinical interactions with patients further colored my motivations to pursue empirically supported clinical problem solving. My current research focuses on diagnostic accuracy and patient-centered innovations in ophthalmic care. I am actively involved in projects evaluating the diagnostic utility of imaging findings in idiopathic intracranial hypertension as well as interventions for the reduction of ocular discomfort following routine intravitreal injections. In parallel, I am engaged in quality improvement and device development and have actively contributed to a provisional patent aimed at enhancing the efficiency of visual acuity assessment. These efforts reflect my interest in developing clinically impactful and scalable solutions that improve both patient experience and care delivery.

B. Positions, Scientific Appointments and Honors**Positions and Scientific Appointments**

- 2026: Chief of Ophthalmic Trauma
- 2025: Washington University School of Medicine Residency Selection Committee Member
- 2021: Johns Hopkins School of Medicine Admissions Committee Member
- 2019: JHU Discover Hopkins Medical Intensive Teaching Assistant

Honors

- 2026: Vit Buckle Society: Fostering Careers for Upcoming Stars Travel Grant Spring 2026
- 2023: American Glaucoma Society INSPIRE Scholarship Recipient
- 2023-2024: Residents and Fellows Diversity Initiative, Washington University
- 2021: Rabb-Venable Excellence in Ophthalmology Program Honorable Mention
- 2021: Johns Hopkins Institute for Excellence in Education Presentation Finalist
- 2020: Baltimore City Medical Society Foundation Scholarship
- 2019- 2022: Robert S. McGraw Scholarship
- 2018-2022: Stuart and Lynn Janney Scholarship
- 2016: UM Scholar
- 2014-2017: Primannum Honor Society
- 2014-2017: Alpha Lambda Delta Honor Society
- 2014-2017: National Society of Collegiate Scholars Member
- 2013-2017: Dean's List
- 2013-2017: Gemstone Honors Program Scholar
- 2013-2017: University of Maryland Banneker-Key Merit Scholarship Award (Full)

C. Contributions to Science

Washington Univ. Dept. of Ophthalmology and Vision Sciences October 2024 – Present

Advisors: Dr. Gregory Van Stavern, Dr. Prabakar K. Rao, Dr. Cynthia Montana

- *Project: Diagnostic utility of the absence of radiographic findings of idiopathic intracranial hypertension*
 - Data collection and interpretation
 - Writing (Active)
- *Project: Ocular irritation and keratopathy following intravitreal injection: A prospective study utilizing GLAD Press'n Seal*
 - Study design and IRB approval
 - Clinical trial registration (Active)
- *Project: The Use of a Mounted Eye Occluder for the Assessment of Visual Acuity: A Quality Improvement Initiative*
 - Product design
 - Manuscript drafting (Active)
 - Provisional patent contributor

Johns Hopkins Wilmer Eye Institute June 2020 – May 2022

Advisors: Dr. Divya Srikumaran, Dr. Adrienne Scott, Dr. Fasika A. Woreta, Dr. Sheila West, Dr. Meraf Wolle

- *Project: Deep anterior lamellar keratoplasty and penetrating keratoplasty for keratoconus: A comparative claims-based analysis*
 - Data analysis and interpretation
 - Manuscript drafting and revision
 - Final manuscript: **Glory E. Mgboji**, Varshini Varadaraj, Chanon Thanitcul, Joseph K. Canner, Fasika A. Woreta, Uri S. Soiberman, Divya Srikumaran. Deep anterior lamellar keratoplasty and penetrating keratoplasty for keratoconus: A comparative claims-based analysis. *Cornea*. 2023
- *Project: Prevalence of incivility between ophthalmology and emergency medicine residents during interdepartmental consultations*
 - Data analysis and interpretation
 - Manuscript drafting and revision
 - Final manuscript: **Glory E. Mgboji**, Fasika A. Woreta, Michael J. Fliotsos, Sidra Zafar, Divya Srikumaran, Jiawei Zhao, Daniel L. Buccino, Linda Regan. Prevalence of incivility between ophthalmology and emergency medicine residents during interdepartmental consultations. *Academic Emergency Medicine Education and Training*. 2021.
- *Project: Gender differences in trachomatous scarring prevalence in a formerly trachoma hyperendemic district in Tanzania*
 - Data collection/image grading
 - Manuscript drafting

- Final manuscript: Meraf A. Wolle, Beatriz E. Munoz, **Glory Mgboji**, Fahd Naufal, Michael Saheb Kashaf, Harran Mkocho, Sheila K. West. Gender differences in trachomatous scarring prevalence in a formerly trachoma hyperendemic district in Tanzania. *PLOS Neglected Tropical Diseases*. 2024.
- Project: Visualizing conjunctival manifestations of sickle cell anemia using optical coherence tomography angiography
 - Figure formatting
 - Case report drafting and revision
 - Final case report: **Glory E. Mgboji**, Dennis Cain, Adrienne W. Scott. Visualizing conjunctival manifestations of sickle cell anemia using optical coherence tomography angiography. *American Journal of Ophthalmology Case Reports*. 2022.

Due to space limitations, please see attached CV for additional scientific works.

D. Scholastic Performance

YEAR	COURSE TITLE	GRADE
University of Maryland		
2013	Principles of Biology II	A+
2013	Introduction to Laboratory Practices and Research in the Chemical Sciences	A
2013	Black Diaspora Literature and Culture	A
2013	Introduction to Gemstone	A+
2013	Calculus II	A-
2014	Principles of Biology III	A
2014	Principles of Organic Chemistry I	A-
2014	Gemstone Team Formation	A+
2014	Topics in Science, Technology, and Society	A
2014	Calculus III	B+
2014	Principles of Organic Chemistry II	A
2014	Gemstone Team Dynamics and Research Methodology	A
2014	Gemstone Team Project Seminar I	A
2014	Oral Communication	A-
2014	General Physics: Mechanics and Particle Dynamics	B
2014	Physics Lab Intro	A
2014	Social Psychology	A
2015	Principles of Genetics	B+
2015	Chemistry Fundamentals II	A
2015	Fundamentals of Analytical and Bioanalytical Chemistry Lab	A
2015	Gemstone Team Project Seminar II	A
2015	General Physics: Electricity, Magnetism, and Thermodynamics	A-
2015	Physics Lab: Vibrations, Waves, Heat, Electricity, and Magnetism	A-
2015	Biochemistry I	A
2015	Foundations of Accounting	A+
2015	Foundations of Finance	A
2015	Cellular Biology and Physiology	A-
2015	Physical Chemistry	B-
2015	Gemstone Team Project Seminar III	A
2016	Biochemistry II	B+
2016	Foundations of Marketing	A+
2016	Foundation of Management	A
2016	Mammalian Physiology	A

YEAR	COURSE TITLE	GRADE
2016	Professional Issues in Chemistry and Biochemistry	S*
2016	Physical Chemistry Lab I	A-
2016	Writing for Health Professionals	A
2016	Gemstone Team Project Seminar IV	A
2016	Biochemistry III	A-
2016	Information Systems	A+
2016	Supply Chain Management	A+
2016	Chemistry: Instrumental Methods of Analysis	A-
2016	Gemstone Project Writing Seminar	A
2016	Global Health Messages	A
2016	Living the Good Life: The Psychology of Happiness	A+
2017	Biochemistry Lab	B
2017	Physical Biochemistry	A-
2017	Creativity for Business Leaders and Entrepreneurs	A-
2017	Gemstone Team Thesis Defense	A+
2017	Psychology of Interpersonal Relationships	A
Johns Hopkins School of Medicine		
2018	Topics in Interdisciplinary Medicine – Health Care Disparities	P
2018	Scientific Foundations of Medicine-Human Anatomy	P
2018	Clinical Foundations of Medicine	P
2018	Foundations of Public Health: Epidemiology, Ethics & the Health Care System	P
2018	Integrative Medicine	P
2018	Scholarly Concentrations	P
2018	Scientific Foundations of Medicine (inc Macromolecules, Cell Bio, ..)	P
2018	Topics in Interdisciplinary Medicine - Obesity, Nutrition, & Behavior Change	P
2018	Longitudinal Ambulatory Clerkship - 1st year	P
2018	Genes to Society I	P
2018	Topics in Interdisciplinary Medicine – Global Health	P
2018	Topics in Interdisciplinary Medicine – Disaster Medicine	P
2018	Genes to Society II	P
2018	Topics in Interdisciplinary Medicine – Pain	P
2018	Research: Predictive Factors in Fertility Preservation	H
2019	Genes to Society III	P
2019	Longitudinal Ambulatory Clerkship – 2 nd year	P
2019	Scholarly Concentrations – 2 nd year	P
2019	Topics in Interdisciplinary Medicine – Substance Use Disorders	P
2019	Genes to Society IV	P
2019	Topics in Interdisciplinary Medicine – Patient Safety	P
2019	Transition to the Wards	P
2019	Pre-clerkship Education Exercises	P
2019	Surgery Core Clerkship	P
2020	Medicine Core Clerkship	P
2020	Topics in Interdisciplinary Medicine – End of Life / Palliative	P
2020	Women's Health Core Clerkship	P
2020	Topics in Interdisciplinary Medicine - Introduction to Regenerative Medicine	P
2020	Research: Research Elective in Ophthalmology: Keratoconus	H
2020	Clinical Elective in Ophthalmology	H
2020	Pediatrics Core Clerkship	P

YEAR	COURSE TITLE	GRADE
2020	Neurology Core Clerkship	P
2020	Psychiatry Core Clerkship	P
2020	Topics in Interdisciplinary Medicine – Cancer	P
2020	Research: Research Elective in Ophthalmology-Retina	H
2020	Advanced Clinical Clerkship in Medicine-Bayview Medical Center	H
2020	Advanced Clerkship in Critical Care - Medical Intensive Care	P
2020	Independent Study – Step 2	P
2021	Away Rotation in Ophthalmology	H
2021	Emergency Medicine Core Clerkship	P
2021	Transition to Residency and Internship and Preparation for Life	P

*At the University of Maryland, the “S” is used to denote satisfactory performance for a required course that is not graded on the traditional letter scale and that does not contribute to cumulative GPA.

At Johns Hopkins School of Medicine, apart from clinical and research electives, away rotations, and the Advanced Clinical Clerkship in Medicine, all courses were graded on a Pass/Fail basis.