

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: Adetayo Oladele-Ajose

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

POSITION TITLE: Resident Physician

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	Start Date MM/YYYY	Completion Date MM/YYYY	FIELD OF STUDY
University of Iowa College of Engineering Jacobs School of Medicine	BSE	08/2012	05/2017	Biomedical Science, Minor in Spanish
	MD	08/2019	05/2023	Doctor of Medicine

A. Personal Statement

I am a resident physician at the University of Iowa. My research is focused on increasing access to screenings for patients with diabetic retinopathy utilizing autonomous artificial intelligence. This tool was developed at our institution, has been validated, and is FDA approved. Currently, we are studying referral patterns from primary care offices and utilizing educational interventions to increase usership.

Additional academic interests include advocacy and addressing social determinants of health within practice patterns and local and state policy. I was elected to the Iowa Medical Society’s board of directors two years in a row and currently am serving on the committee on legislation. Through this position, we closely monitor legislation that is proposed at the state level and provide guidance and input on bills that could have massive impacts to our healthcare systems. I’ve learned so much in this role, including better understanding how closely medicine is tied to local and state governance. I've also seen how in the absence of physician-led voices, there can be unintentional but still devastating policies that shake our healthcare system and worsen patient care. My goal is to increase physician and medical trainee interest in advocacy and improve their understanding of how the system works and how to navigate it as physician advocates. I intend to incorporate this work into my future academic career.

B. Positions, Scientific Appointments and Honors

Positions

2023-Present Present Resident Physician, University of Iowa, Iowa city, IA

Honors

2025 American College of Surgeons HOPE Clinical Congress Resident Scholarship
2022-Present American Society of Retina Specialists Underrepresented in Medicine Program
2025-Present American Society of Retina Specialists Women in Retina Program
2023 Harry E. And Loretta A. Jordan Award- Proficiency in Ophthalmology Award
2023 Research Honors Convocation Award
2022-Present Gold Humanism Honor Society Inductee
2022-2023 Social Justice, Equity, Administration, and Leadership Fellow
2022 Genetics, Genomics, & Bioinformatics Research Day: Best Poster Presentation
2021 Inaugural Joseph Robert Love Scholar
2020-2023 Minority Ophthalmology Mentoring Program
2021 Nth Dimension Scholar
2020 Joseph Collins Scholar
2018 Life Saver Award
2014-2015 Big Ten's Distinguished Student Athlete
2014 On Iowa! Distinguished Leader
2013 On Iowa! Most Spirited Leader
2012 Bucksbaum Early Entrance Academy (Early acceptance to college at age 15)

C. Contributions to Science

My early publications and presentations were centered on inherited retinal degeneration research. As an undergraduate, I worked on a project evaluating genetic modifiers of CEP290-mediate retinal degenerations. In medical school, I collaborated with a local inherited retinal specialist on predicting areas of accessibility in the 5' untranslated regions of rhodopsin mRNA to predict areas of accessibility for targeting knockdown of rhodopsin protein. The goal of which was to decrease metabolic burden on the retinal pigment epithelium in patients with ABCA4-associated disease. My most recent publications address increasing access to screenings for diabetic retinopathy and addressing social determinants of health that decrease compliance and hinder physician-patient trust building.

- A. Hau VS, **Oladele-Ajose A**, Coney J. (2025). Providing Equitable Health Care for All: Understanding the Black/African American Community. *Retina Times* Winter edition.
- B. Meyer, K.J., Whitmore, S.S., Burnight, E.R., Riker, M.J., Mercer, H.E., **Oladele-Ajose, A.**, Howell, G.R., Stone, E.M., Mullins, R.F., Tucker, B.A., Scheetz, T.E., & Anderson, M.G. (2022). Genetic modifiers of Cep290-mediated retinal degeneration. *bioRxiv*.
- C. **Oladele-Ajose A**, Mohammed T, Shahid K, Chenoweth D, Howe V, Bradley K, Sohn E, Matharu K. Improving Utilization of AI-Based Diabetic Retinopathy. *Global Ophthalmology Summit* [poster]
- D. Oladele-Ajose A, Sullivan, J Multivariable Biostatistical Approach to Identifying Accessible Sites of 5' Untranslated Regions of RHO mRNA in Various Animal Models. **Multivariable Biostatistical Approach to Identifying Accessible Sites of 5' Untranslated Regions of RHO mRNA in Various Animal Models.** *Genetics Genomics and Bioinformatics Research Day* [poster]