

**A i g b i r h e m w e n O . W o g h i r e n - A f e g b u a**  
**Curriculum Vitae**

Phone (310) 484-4902 • E-Mail aow4@pitt.edu

**EDUCATION AND TRAINING**

- University of Pittsburgh.** Pittsburgh, Pennsylvania. Department of Biological Sciences  
**PhD Student** in Molecular, Cellular, and Developmental Biology Program 2018-Current
- California State University, Los Angeles** Los Angeles, California. Department of Biology  
**Master of Science** in Biology 2016-2018
- University of California, Santa Cruz.** Santa Cruz, California. Department of Molecular, Cell and Developmental Biology. **Bachelor of Science** in Molecular, Cell, and Developmental Biology 2013-2015
- Monteverde Institute,** Costa Rica. Tropical Biology and Conservation. **Education Abroad** Fall 2014
- El Camino College,** Torrance California. **Associate in Science,** General Science, **Associate in Arts,** General Studies-Biological & Physical Sciences 2010-2013
- Santa Monica College.** Santa Monica, California Summer 2010, 2013

**RESEARCH EXPERIENCES**

- Graduate Student Researcher**  
University of Pittsburgh. Pittsburgh, Pennsylvania. Department of Biological Sciences.  
Advisor: Dr. Sarah Hainer  
Project Title: *The Role of INO80 Nucleosome Remodeling complex in Mammalian system.* May 2022-Current
- Graduate Student Researcher**  
University of Pittsburgh. Pittsburgh, Pennsylvania. Department of Biological Sciences.  
Advisor: Dr. Kirill Kiselyov  
Project Title: *GDAPI Regulation of Mitochondrial Network dynamics.* May 2019-November 2021
- Masters Student**  
California State University, Los Angeles, Department of Biology  
Advisor: Dr. Laura Cocas  
Project Title: *Effect of Contactin-associated Protein-like 2 deletion on Inhibitory Interneuron Differentiation and Migration.* 2016-2018
- Undergraduate Student Researcher**  
University of California, Santa Cruz  
Advisor: Dr. Marilou Sison-Mangus, Department of Ocean Science  
Project Title: *The role of microbiota on the biology and evolution of the crustacean model system Daphnia magna* 2014-2015
- Undergraduate Student Researcher**  
Western Washington University, Shannon Point Marine Center.  
Advisor: Dr. Brady Olson, NSF Research Experiences for Undergraduates program  
Project Title: *Effects of ocean acidification on Copepod grazing.* Summer 2015
- Undergraduate Student Researcher**  
Monteverde Institute, Monteverde, Costa Rica  
Advisor: Dr. Andrea Albertin  
Project Title: *Microbes and Macroinvertebrates in the Rosette of Bromeliad species* Fall 2014

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**PUBLICATIONS**

Googins, M. R., **Woghiren-Afegbua A. O.**, Calderon M., St. Croix C. M., Kiselyov I. k., VanDemark A. P., Structural and functional divergence of GDAP1 from the glutathione s-transferase superfamily. *The FASEB journal* (2020) doi:10.1096/fj.202000110r. 2020

**TEACHING AND MENTORING EXPERIENCE**

**Instructor:** Foundations of Biology Research Laboratory 2, Viral Genomics and Foundations of Biology Research Laboratory, Duckweed Survivor. University of Pittsburgh. Summer 2022  
**Teaching Assistant:** Biochemistry. University of Pittsburgh. Spring 2021  
**Teaching Assistant:** Cell Biology Laboratory. University of Pittsburgh. Fall 2020  
**Teaching Assistant:** Molecular Genetics Laboratory. University of Pittsburgh. Fall 2020  
**Research Mentor:** Mentored two undergraduate students at University of Pittsburgh, Pennsylvania, Laboratory of Dr. Kirill Kiselyov 2019-2021  
**Research Mentor:** Mentored an undergraduate student at California State University, Los Angeles, Laboratory of Dr. Laura Cocas. 2016-2018  
**Teaching Associate:** General Biology Laboratory. California State University. Spring 2018  
**Graduate Assistant:** Neurobiology of Development. California State University. Fall 2016

**HONORS/ AWARDS**

**National Institutes of Health**, NIH Diversity Supplement Grant to R35GM133732 (2-year award, \$142,260) 2022-2024  
**K Leroy Irvis Fellowship**, Biological Science Department, University of Pittsburgh, Pennsylvania. (1 semester award, \$12,666). Spring 2021-2022  
**Dietrich School of Arts and Sciences Diversity Fellowship**, University of Pittsburgh, Pennsylvania. (Graduate Summer Research, \$3990). Summer 2020  
**Dietrich School of Arts and Sciences Diversity Fellowship**, University of Pittsburgh, Pennsylvania. (Graduate Summer Research, \$3114). Summer 2019  
**K Leroy Irvis Fellowship**, Biological Science Department, University of Pittsburgh, Pennsylvania. (1 year award, \$64,016). 2018-2019  
**Silverman-Research Initiative for Scientific Enhancement Scholarship** California State University, Los Angeles (2-year award, \$61,725). 2016-2018  
**Society for Advancement of Chicanos/Hispanics and Native Americans in Science.** Travel scholarship. 2015, 2016  
**Marilyn C. and Raymond E. Davis Memorial Scholarship**, University of California, Santa Cruz. (\$1000). Travel support. 2015  
**Special Merit award for Poster Presentation** in Biological/Life Science. Statewide California Alliance for Minority Participation symposium. 2015  
**National Science Foundation Research Experiences for Undergraduates** program at Western Washington University, Shannon Point Marine Center. (\$5150). Summer 2015  
**California Alliance for Minority Participation.** University of California, Santa Cruz (\$3500). Summer 2014  
**Osher Re-enter Scholarship**, University of California, Santa Cruz. (\$5000). 2014  
**Jessie Steensma Endowment Scholarship.** El Camino College. Torrance California (\$500). 2013  
**State of California Senate Certificate of Recognition.** El Camino College. Torrance, California. 2012  
**California Legislature Assembly Certificate of Recognition.** El Camino College. Torrance, California. 2012  
**National Science Foundation Achievement Scholarship.** El Camino College. Torrance, California (\$4000). 2012  
**El Camino College Foundation Scholarship.** El Camino College. Torrance, California (\$1000). 2012  
**Exemplary Service awards**, ER Fast Track 2011D Rotation and Perioperative Service 2011B Rotation. Saint Francis Medical Center. Lynwood, California. (Volunteer Internship). 2011 & 2012  
**Osher Foundation Scholarship.** El Camino College. Torrance, California. (\$1000). 2011  
**Award of Recognition for high honors.** EOPS. El Camino College. Torrance, California. 2010 & 2011