

# Curriculum Vitae

## Taiye Winful

### RESEARCH INTERESTS:

genetics, embodiment, health disparities, epigenetics, inflammation, social determinants of health, community engaged work, qualitative analysis, quantitative analysis, biostats, mixed methods approaches, health, epigenetics, inflammation, social determinants of health, survey methods, survey analysis, coding.

### Education

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PhD	Anthropology, Vanderbilt University, Nashville, Tennessee Dissertation: The etiology of inflammatory responses: An epigenetic examination of the influence of social and environmental factors on C-reactive protein in Black populations Advisor: Dr. Jada Benn Torres	2018-
M.A	Anthropology, Vanderbilt University, Nashville, Tennessee	2018-2020
M.A	Anthropology, The University of North Carolina at Charlotte, Charlotte, NC, Thesis: Reconstructing Africa's Evolutionary Histories: DNA Collection, Coding, Analysis, and Interpretation Advisor: Dr. Jonathan Marks	2016-2018
B.S	Molecular Biology, Minor in Anthropology, Loyola University Chicago, Chicago, IL,	2012-2016

### Certificates

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Certificate in College Teaching, Vanderbilt University, Nashville, Tennessee	2022-2023
Certificate in Global health, Vanderbilt University, Nashville, Tennessee	2019-2020

### Professional Experience

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- Intern, Ancestry Product**, 23andMe, Sunnyvale California, June 2022-August 2022
- Conducted extensive research to curate content highlighting the cultural histories of more than 30 diverse ethnic groups, demonstrating a strong commitment to promoting cultural awareness and diversity.
  - Leveraged mitochondrial data to effectively communicate ancestral origins, showcasing analytical skills and proficiency in genetic research methodologies.
  - Produced consumer-facing content focused on ancestry, showcasing exceptional communication and writing abilities while engaging with a wide audience.
  - Demonstrated a unique capability to integrate anthropological insights into an interdisciplinary setting, exemplified by effectively contributing to projects as the sole anthropologist, underscoring adaptability and collaboration in diverse research teams.
- Intern**, Vanderbilt Institute for Global Health, Vanderbilt University, Nashville, Tennessee. June 2020-January 2022
- Contributed to the development of health-related content targeting African populations, emphasizing the significance of effective teaching and communication in enhancing comprehension of healthcare professions.
- Intern**, Epidemiology Branch, National Institute of Environmental Health Sciences (NIEHS/NIH), Research Triangle Park, North Carolina May 2019-August 2019
- Performed analysis on mixed-methods qualitative research to investigate the effects of stress resulting from work-related experiences on sleep patterns within both Black and White populations, demonstrating strong analytical skills.
  - Demonstrated a unique capability to integrate anthropological insights into analysis within an interdisciplinary setting, exemplified by effectively contributing to projects as the sole anthropologist, underscoring adaptability and collaboration in diverse research teams.
- CRI (Cancer Research Interns)** Summer Internship Program, National Institutes of Health (NIH), Washington D.C May 2018-August 2018
- Engaged in wet lab research focused on elucidating cancer-causing mechanisms, demonstrating expertise in laboratory techniques.

**Researcher**, Cobb Research Laboratory, Howard University, Washington D.C. January 2017- May 2018

- Led and supervised a team of undergraduate researchers in coding and maintaining a comprehensive African American database pertaining to genetics and health, showcasing strong leadership and project management skills.
- Conducted thorough analysis and interpretation of the African American database's utilization in health and genomic contexts, emphasizing the importance of an integrated approach that incorporates both biological and cultural factors, highlighting your analytical and strategic thinking abilities and the ability to work in an interdisciplinary environment .
- Actively participated in a workshop dedicated to the collection of samples from research participants, demonstrating a hands-on involvement in data acquisition and research processes.

## Volunteering/community engagement

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**Siloam Health**, Nashville, Tennessee 2020-2021

- Conducted research at the clinic focusing on the high opt-out rates of Arabic-speaking Egyptian populations from the Community Health Worker (CHW) program.
- Investigated patients' attitudes, experiences, and perceptions of health to understand their impact on decision-making.
- Utilized semi-structured interviews to gather relevant data for analysis.
- Developed a codebook for theme analysis based on the insights gained from the interviews.
- Acquired hands-on experience working with diverse communities and engaging in discussions on health-related topics.

**Scientist on Site**, Adventure Science Center, Nashville, Tennessee 2019-2020

## Academic/Teaching Experience

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**Lab member**, Vanderbilt University, Anthropology department August 2018 -Current

- Proficient in a wide range of wet lab techniques, including but not limited to PCR, Pyrosequencing, DNA extraction, quantification, purification, and gel electrophoresis, showcasing a strong foundation in laboratory skills and molecular biology methodologies.

**Graduate teaching assistant**, Vanderbilt University, Anthropology department August 2018-Current

**Instructor of Record**, Introduction to biological anthropology lab, The University of North Carolina at Charlotte Anthropology department August 2017-May 2018

**Graduate lab assistant**, Introduction to biological anthropology lab, The University of North Carolina at Charlotte Anthropology department

August 2016-May 2017

## Fellowships and Grants

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Graduate Student Travel Grant, Vanderbilt University	2024
Graduate Student Leadership, Dissertation Enhancement Grant, Vanderbilt University	2023
National Science Foundation Doctoral Dissertation Improvement Grant (NSF-DDRIG)	2023
Pilot Grant, Vanderbilt University,	2022
SEC Emerging Scholars fellowship,	2022
Intersectional Study of Black Women and Girls in Society Research Mini-Grant,	2021
Professional Development Grant, Vanderbilt University Spring,	2020
Professional Development Grant, Vanderbilt University Spring,	2019
Provost Fellow, Vanderbilt University,	2018- 2021
Russel G. Hamilton Scholar, Vanderbilt University,	2018-2021
Deans scholarship, Loyola University Chicago,	2012-2016

## Academic Honors and Awards

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Excellence in Transdisciplinary Research Award, Vanderbilt University	2022
Harold Stirling Vanderbilt (HSV) Award, Vanderbilt University	2021-2023
College of Arts and Science Summer Research Award (SRA), Vanderbilt University Spring,	2020
American Association of Physical Anthropologists Pollitzer Travel award	2020
IDEAS Scholar, American Association of Physical Anthropologists,	2019

American Association of Physical Anthropologists Pollitzer Travel award (Granted but declined)	2019
Cancer Research Fellow, NIH Cancer Institute	2018
Outstanding graduate teaching assistant nominee, UNC Charlotte	2018

## Workshops and Additional Training

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Vanderbilt Community-Engaged Research Core (CERC) Training, Nashville, Tennessee	2019,2020
AAAG AGAR Workshop bioinformatics, Buffalo, New York	2018
R working group, Vanderbilt University, Nashville, Tennessee	2018
Python working group, Vanderbilt University, Nashville, Tennessee	2019

## Publications

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**Winful, T.**, McCormack, K., Mueller, E., Chen, L., La Corporación Piñones Se Integra (COPI), Clemente R. M., Benn Torres, J. (2023). Exploring the legacy of African and Indigenous Caribbean admixture in Puerto Rico. *American Journal of Biological anthropology*.

Benn Torres, J., **Winful, T.** (2022). Genetic perspectives on the pre- and early contact histories of Jamaica. *Journal of Caribbean Archeology*.

Baluran, A. D, **Winful, T.** (2021) *COVID-19 and America's Pandemic of Social Inequality: Lessons From Social Science*. Harvard Public Health Review.

Jackson, C. L., Wright, I., **Winful, O. T.**, Feinstein, L., & Adams, I. (2020). 0367 Social Determinants of Black-White Disparities in the Work-Sleep Relationship by Occupational Class: A Sequential Mixed Methods Approach. *Sleep*, 43, A140-A141.

**Winful, T.** (2019) *Understanding Adaptations: The Importance of Contextualized History in Biological Anthropology*. Student Anthropologist.

## Publications Under Review or Submitted

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**Winful, T.** (2024). "Bioethics as a dynamic issue: Holistic approaches to understanding and applying ethics to study design". *Human Biology* \*\*

**Winful, T.** (2023). "The Life Course Approach and Black Health Studies." *Anthropology News* website, 2023. \*\*

\*\* Accepted

## Conference Presentations

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### *Podium Presentations (\* invited session)*

"Unraveling Stress: Epigenetic Modulation of the promotor region of IL-6 and its Impact on salivary CRP Variability." Southeastern Biological Anthropology Interest Group (SEBIG) conference. University of North Carolina at Chapel Hill (2024), online.

"Understanding the Inflammatory Response: Stress-Induced Effects on Salivary CRP in a Nigerian Population". Race and Research Fair. Vanderbilt University, Black cultural Center, Nashville Tennessee (2023).

"Bioethics as a dynamic issue: Holistic approaches to understanding and applying ethics to study design." American Association of Physical Anthropologists annual meeting (2021), online presentation. \*

### *Poster Presentations*

Human Biology Association annual meeting (Abstract Accepted), Los Angeles, California. Poster title: Biological mechanisms of embodiment: the impacts of stress on salivary CRP variability in a Nigerian population.

Vanderbilt Global Health Symposium (Abstract Accepted), Nashville, Tennessee. Poster title: Exploring the Reliability and Validity of the General Health Questionnaire 12 in a Nigerian Context

American Association of Physical Anthropologists annual meeting (2020), Los Angeles, California. Poster title: Whole mitochondrial sequences reveal substantial heterogeneity within African descendants in the Caribbean (online).

American Association of Physical Anthropologists annual meeting (2019), Cleveland, Ohio. Poster title: African Ancestry in the Americas: Prospective on Afro-Puerto Rican Maternal Ancestry.

Vanderbilt Genetic Institution Symposium (2018), Nashville, Tennessee. Poster title: Reconstructing Africa's Evolutionary Histories: DNA Collection, Coding, Analysis, and Interpretation.

*Session Organizer*

"Community Building and Networking Program breakout session," Human Biology Association annual meeting (2021), online.

## Service

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Junior Service Fellow – Community Building and Networking Program, Human Biology Association	2020-2022
Student Advisory Council, Vanderbilt Institute for Global Health	2020- 2021

## Memberships

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Vanderbilt Science Policy Group	2021-
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## Professional Memberships

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Human Biology Association	2021-
American Association of Physical Anthropologists,	2018-
American Association of Anthropological Genetics (AAAG),	2018-
American Anthropological Association	2018-
Association of Black Anthropologists	2018-
Biological Anthropology Section	2018-
General Anthropology Division	2018-2020