

European naturalist claimed that there are genetic differences based off races withing the human population which lead to a hierarchy of scientific racism. 3 On March 14<sup>th</sup>, 2023, Carl Zimmer wrote an article that was published by the New York times titled “Guidelines Warn Against Racial Categories in Genetic Research.” Within this article Zimmer states the National Academies of Science published recommended guidelines for scientist to no longer use race as a category in genetic studies. According to Zimmer the idea to question the race category within genetics studies occurred because race is an insufficient factor in genetics, which caused other categories to be overlooked. These overlooked categories are environmental and social factors such as poverty and injustice. There will be a meeting hosted by the National Academies of Sciences, Engineering and Medicine to review the report. 3 Within the article they utilize Dr. Tishkoff findings of genetic variation among people from African and concluded it was not possible to identify the genetic makeup of all Africans that would be considered the black race. Along with studying race they also studied the environmental factors, which had a bigger biological effect on people’s genes. Joseph Graves believes this report can work and help studies that previously hindered human health if people support the use of the recommendations. 3

Genetics is the study of genes and hereditary passed down from generation to generation. A genetics related article is an article which discuss genetic topics, such as genetic research findings for diseases, the genes from a DNA strand of a new virus and or the genetic process. So long as it is discussing genes and or the heredity of a species, it can technically be classified as a genetics related article. This is a genetics article because it is discussing the categories used within genetics research and how one of the flawed categories is race. The article discusses the different categories used to group the people to compare genes between and the hereditary tracking of human genes.

This article is factual because there was a study completed by Pamela Sankar, Mildred K. Cho, and Joanna Mountain which discovered many articles that use race and ethnicity as independent and dependent variables within their research. 2 It also states the recommendations for using ethnicity and race within genetic research should explain why they are used, and used consistently based off how race and ethnicity is defined. 2 This supports the articles concerns on the use of race within a research experiment that is studying the genes of humans. There where guidelines published that provided recommendations for use of race within genetic research, because of this it supports the published guidelines of race usage within genetic research claim within the article. Race descriptors was never consistently defined or standardized when used in the present it hindered the complexity of gene variations. 1 This publication supports Joseph Graves statement about how human health was hindered by the race categories within genetic research. Race categories where never correctly defined in detail and because of this it makes it harder when trying to understand the genes of one race such as blacks. This is because the phenotype of the people was used and not the genotype, which is not necessarily the same even if the pigment is similar. Due to this it makes it harder to anticipate or catch genetic diseases early because some diseases may go undetected due to a person’s race that is determined by their phenotype and not their genes.

## References

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