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Writing assignment 5 summary

The article written by Daniela J. Lamas, posted in *NYTimes* titled “Why Do Some People Never Get Covid?” explores the potential reasons, why couples living under the same roof have different effects when it comes to covid. Dr. Zatz noticed that her neighbor had not contracted covid-19, even though she was treating her husband who had contracted covid. While conducting this research in Brazil Dr. Zatz found out that there are multiple people with similar stories.

Since Dr. Zatz and her colleagues suspected genetics played a role in this they conducted their research. The sample size was 100 couples within a similar age group of each other, and the most affected were males. It was believed that a single gene mutation could not cause this response therefore they looked into combinations of genes that can play a role. In their result, they found that the unaffected spouses had a stronger natural killer cell response than the ones who were affected. The scientists stated that this can be one of the factors that played a role, as some of the unaffected spouses did not exhibit this gene strength.

Similarly, the article published in *Nature Communications*, titled “Cross-reactive memory T cells associate with protection against SARS-CoV-2 infection in COVID-19 contacts”, explains T cells can protect us from covid-19 infection. This study uses positive-PCR and negative-PCR tests to study the effect of covid-19 and pre-existing T-cells. They state that T cells that are induced by other types of coronavirus can help with the protection against covid-19, it also states that the T-cells present upon exposure can influence whether the person will be infected or not. If this method is used it can help with developing a vaccine that can potentially help with preventing infection from other variants.

In conclusion, even though, these two articles explore different parts of genetics, it both explores how genetics will affect the infection of covid-19. And with these studies further explored it can help in developing a medicine for covid-19 treatment or a vaccine that can help fight upcoming variants.

Reference

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