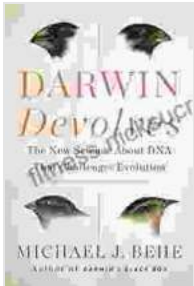


# The New Science About DNA That Challenges Evolution



## Darwin Devolves: The New Science About DNA That Challenges Evolution by Michael J. Behe

★★★★☆ 4.7 out of 5

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|----------------------|-------------|
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The traditional view of evolution is that it is a slow, gradual process driven by natural selection. However, new research is challenging this view, suggesting that DNA can be changed by environmental factors and that these changes can be passed on to offspring.

This new science is called epigenetics, and it is based on the idea that genes are not simply fixed entities. Rather, they are malleable structures that can be altered by environmental cues. These cues can include things like diet, stress, and exposure to toxins.

Epigenetic changes can affect gene expression, which is the process by which genes are turned on or off. This means that environmental factors can have a direct impact on the way our bodies function.

One of the most well-studied examples of epigenetics is the case of the Dutch Hunger Winter. During this time, pregnant women who were exposed to famine gave birth to children who had a higher risk of developing obesity and other health problems later in life. This is thought to be due to epigenetic changes that occurred in the children's genes as a result of their mothers' exposure to famine.

Another example of epigenetics is the case of coat color in mice. When pregnant mice are exposed to a chemical called bisphenol A (BPA), their offspring are more likely to have black coats. This is thought to be due to an epigenetic change that occurs in the mice's genes as a result of their mothers' exposure to BPA.

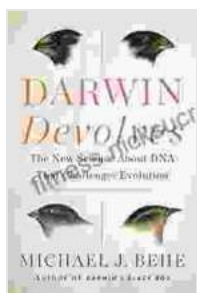
The implications of epigenetics for our understanding of evolution are profound. If DNA can be changed by environmental factors, then it means that evolution can be influenced by more than just natural selection. This could lead to a new understanding of how evolution occurs and how we are affected by our environment.

Epigenetics is a new and rapidly growing field of research. There is still much that we do not know about how epigenetics works and how it affects our health and evolution. However, the research that has been done so far suggests that epigenetics is a powerful force that could have a major impact on our understanding of the world around us.

The new science of epigenetics is challenging our traditional understanding of evolution. It is suggesting that DNA is not simply a fixed entity, but rather a malleable structure that can be altered by environmental factors. These

changes can be passed on to offspring, which means that environmental factors can have a direct impact on our genes and our health.

Epigenetics is a new and exciting field of research. There is still much that we do not know about how it works and how it affects our health and evolution. However, the research that has been done so far suggests that epigenetics is a powerful force that could have a major impact on our understanding of the world around us.



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