

Dr. Tori Frankenstein



Scientist

If you are responsible for editing Mya's genes, why did you do it? If you did not edit Mya's genes, why wouldn't you?

What is the responsible or ethical thing to do? What are reasons to edit genes?

Should you make decisions for other people? Should you make decisions for society?

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Beliefs

- » Science can be a power for good
- » Science can be used to fix problems
- » Mya could be happy that she has improved abilities
- » We scientists do our best to make our experiments helpful
- » We use gene-editing to help people
- » We have the knowledge to be safe
- » There is reliable information about gene editing at the Innovative Genomics Institute

Questions

What if we could heal people who are sick? What if we could make better medicine? What if we could enhance human abilities? What will happen if we don't do this work? How do we talk to the public about our science and about ethics?

Mya



Lab Assistant

How did you feel when you found out that you had edited genes?

How could it be a good thing?

How could it be a bad thing?

How might it affect your children?

Should you have been asked? If not you, then who should have been asked?

Lab Assistant Mya

Beliefs

- » I have unique traits because of my DNA.
- » Science changed who I am.
- » I didn't have a say in changing my genes.
- » I am afraid negative things might happen because of my DNA edits.
- » My DNA edits could possibly be a good thing or a bad thing
- » I can get reliable information about genes and gene-editing at Learn Genetics University of Utah

Questions

How did my genes get changed?

How do I feel about my genes being edited?

Why did Tori change my DNA?

Was it ethical to change my DNA?

How might my edited genes affect me?

How might my edited genes affect my children?

How might my edited genes affect the future?

Where can I get reliable information about genes and gene editing? What is reliable information?

Who can I trust?

Public/Onlookers



Should we allow a scientist to change DNA? Why or why not? Should we allow it for ANY purpose? Could gene editing be used to control or harm people?

Who should get involved?

How might edited genes affect future generations?

How do we protect ourselves?

How do we make society fair to everybody?

Where can we get reliable information about genes and gene editing? What is reliable information?

Public/Onlookers

Beliefs

- » Science can change DNA and influence traits
- » Science must be responsible in its actions
- » Science should not cause pain or damage
- » Science has to have permission
- » People have the right to debate and voice their opinion about science
- » People have the right to be protected from future technologies
- » The benefits of gene-editing should be fair to all people
- » There is unreliable information on the internet
- » There is reliable information at Learn Genetics University of Utah

Questions

Who will get the benefits of gene-editing? Will some people get mistreated?

Should we allow gene-editing of humans?

What happens if the creations cause harm? Who is responsible for the creations' actions?

How might edited genes affect society over time? What is reliable information?