

Knowledge Forum - Genetic Engineering South High

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New Note

New Drawing

New Link

New View

New Idea Magnet

Scaffolds

Assessment Tools

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- New View
- New Idea Magnet
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New Idea Magnet

Current Idea Magnets similar to your input ...

Magnet 1

Magnet 2

Magnet 3

Magnet 4

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3 - Knowledge Forum view with a magnet created



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 Magnet 10

New Note

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New View

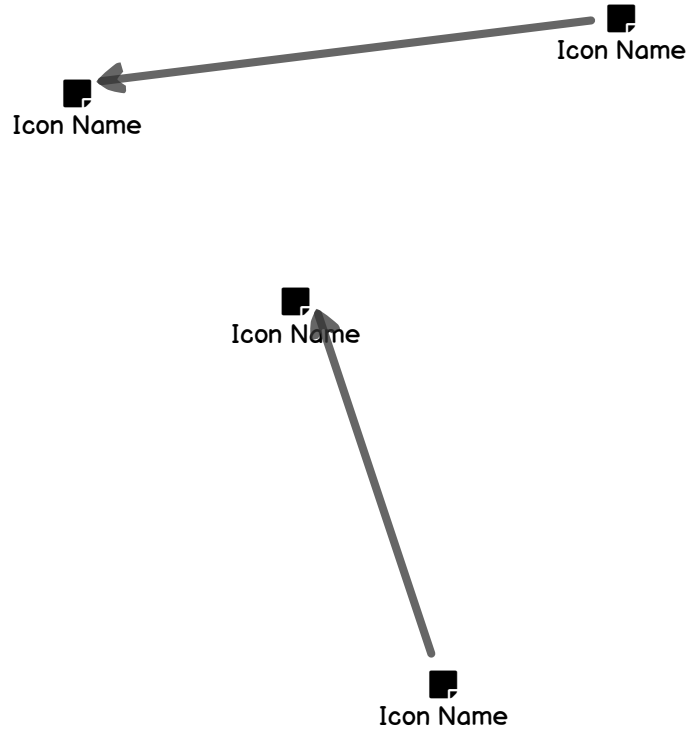
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3 - Knowledge Forum view with multiple magnets



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 Magnet 10

Magnet 11

Magnet 12



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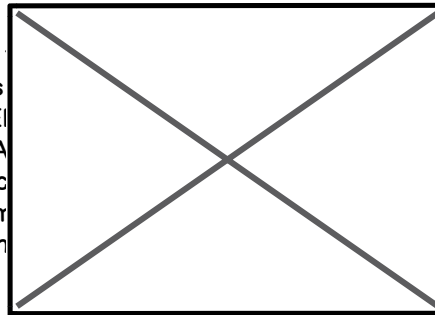


Is Genetic Engineering Ethical?

Recent advances in science have reignited
this long-standing debate.

By Stephanie Hertenberg

Genetic engineering has been a topic of varying contention was new fuel thrown on the fire with a series of experiments Interspaced Short Palindromic Repeats or CRISPR. CRISPR is a variety of systems that can target specific stretches of DNA particular portions of the genetic code or insert new genetic genome. The precision of CRISPR allows geneticists to perm genetic code with previously unheard of accuracy. This techn occurring abilities of some bacteria.



Even though debate has surrounded genetically engineered crops and genetic experiments in animals, for most people, the controversy surrounding genetic experimentation has been largely ignored. The ethics of genetic engineering, however, are back in the spotlight.



Early this year, a team of scientists successfully performed genetic modification on a fertilized human embryo using CRISPR. In vitro fertilization and gene therapy have involved elements of genetic engineering nearly since their conception, but the CRISPR experiments are the first time humanity has been confronted with human germline genetic modification. Germline modification is used to refer to genetic changes that would be passed down to an organism's offspring. Any genetic alterations done to a parent would appear in children and grandchildren. Naturally, this has once again raised the question of whether genetic engineering is ethical.

Books have been written on the ethics of all sorts of genetic engineering, but the controversy reignited by the CRISPR studies focuses on genetic modification of humans. For decades, accurate and feasible human genetic engineering was something out of a science fiction novel. Depending on a person's opinion on genetic modification, genetically engineered humans were a distant fantasy or specter that loomed centuries down the road.

The CRISPR experiments did not use viable embryos and so no child has resulted from the study, but the CRISPR team proved that genetically modified humans were possible. The ethics of



Magnet 10

Even though debate has surrounded genetically engineered crops and genetic experiments in animals ...

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{My theory}: is we need to spend more time to discuss ethics.

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5 - Open a magnet

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Genetic engineering blablabla.

Source: [GE Gru](#)

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6 - Add an annotation to a KF view

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7 - Reference an annotation in a KF note



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- New Note

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Magnet 10



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Genetic engineering
blablabla.

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□ *Genetic engineering*
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□ *Genetic engineering*
blablabla.

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7 - Reference an annotation in a KF note - 2



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- New Note

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Source: [GE Gru](#)



7 - Reference an annotation in a KF note - 3



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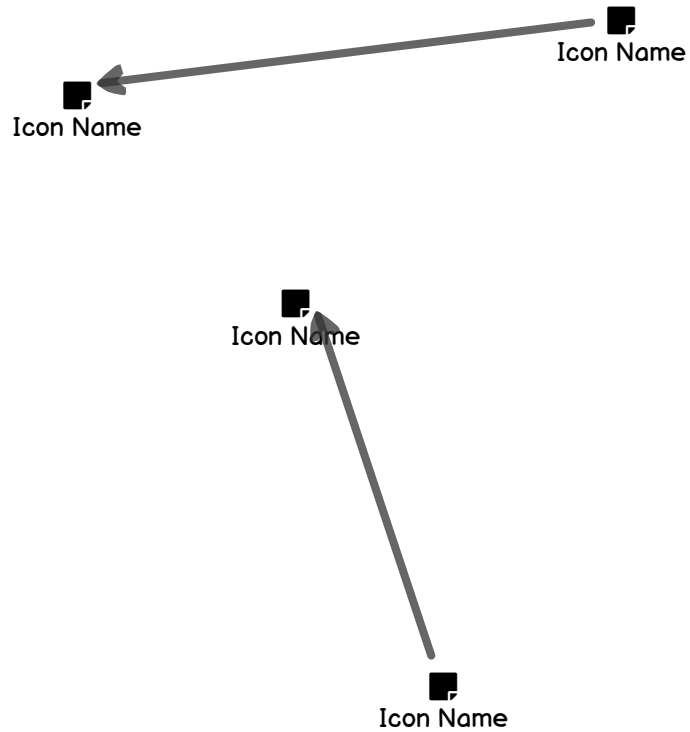
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