

Genetically Modified Organisms, Not Genetically Modified People

ESSAYPRO How To Order Reviews About Us Write My Essay DBA: EPRO Log In Sign Up

WRITING SERVICE AT YOUR CONVENIENCE

**You - Send us your homework
We - Do it all for you**

Grab your original paper for just \$10 per page with a free plagiarism report included

Write My Essay!

Calculate the price

Writing | Rewriting | Editing

Essay (any type) ▾

College ▾ 2 weeks ▾

1 page / 275 words ▾ +

Double spaces Single spaces

\$11.4

Write My Paper

NO MORE SLEEPLESS NIGHTS...
100% PLAGIARISM-FREE ESSAYS. ANY TOPIC OR DIFFICULTY CAN BE HANDLED!

EssayPro Reviews 4.9

ResellerRatings 4.9

Sitejabber 4.8

LINK => <http://787787.com/writing-service?452131318>

Genetic engineering is the process of transferring a gene from one living organism to another living organism. The objective is to add one or more desirable traits that the organism doesn't originally have. An example is to transfer insect resistance traits occurring naturally in one plant to another that doesn't have this trait. (reference 1)

Example of how genetic engineering is carried out?

Genetic engineering works by physically removing a gene from one organism with the desirable trait and inserting it into an other organism.

Example: [Insulin](#) production by genetically modified bacteria.

It used to be that we obtained insulin by purifying it from cows and pigs slaughtered for food. It was very expensive and often created allergic reactions.

In 1955, scientists found a way of making human insulin by genetically modifying the pig or

cow insulin to be the same as human insulin. Scientists made genetically-engineered microbes that make human insulin in a pure form that is less likely to cause an allergic reaction.

The genetically-engineered microbe is produced in a very controlled area. They are grown in large fermentation vessels. The vessel has all the nutrients needed for the growth of bacteria. When fermentation is done, the mixture that has the bacteria is harvested. The bacteria are filtered and they remove the insulin it has produced.

All material is kept uncontaminated so the medicine is untouched. It is often checked to see if the insulin is of good quality. Steps:

Plasmid is removed from bacterium

Plasmid is cut by an enzyme and replaced with a human insulin gene.

Plasmid is reinserted into a new bacterium.

New bacterium is put into fermentation vessel with needed nutrients.

Allow genetically-modified bac...

... middle of paper ...

...anchester: University of Manchester, n.d. Print. Biological Sciences Review. Article: GM mosquitoes: The [malaria](#) solution?

Shukman, David, ed. "Genetically-modified Purple Tomatoes Heading for Shops." BBC News. BBC, 2014. Web. 9 Feb. 2014. .

- - -, ed. "Purple tomatoes: Could GM crop be food of the future?" BBC News. BBC, 2014. Web. 9 Feb. 2014. .

Smith, Lewis, ed. "Purple GM Tomatoes One Step Closer to UK Shelves." The Independent. Independent.co.uk, 24 Jan. 2014. Web. 9 Feb. 2014. .

Stedman's Medical Dictionary. "Precursor." Dictionary.com. The American Heritage, n.d. Web. 9 Feb. 2014. .

Other Arcticles:

- [Writing Persuasive Speech](#)
- [Frederick Douglass And Slavery](#)
- [Msc Thesis Presentation Powerpoint](#)
- [Management Paper Term](#)
- [Sample Cover Letter For Esl Coordinator Position](#)
- [Galileo Essay Thesis](#)
- [Short Story Comparative Outline](#)
- [Scholarly Journal Article Internet](#)
- [Msc Dissertation Week Lse](#)
- [Respect For Nature In Rime Of The Ancient Mariner](#)
- [Real Estate Development Resume Cover Letter](#)
- [Thesis Staement For Hot Topic](#)
- [Author Thesis Theme](#)
- [Dissertation Quality Service](#)