# Gene Doping and the Mystery Behind It

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### **Table of Contents**

What is Gene Doping?	1
Barry Bonds, a Face Behind the Needle 2	2-3
Hence, Merriment	<b>1-5</b>
Hence, Torment6	<u></u> 5-7
Mighty Mouse	. 8
Hancer's Health Clinic Co	. 9

## What is Gene Doping?

#### **Chandler Makings**

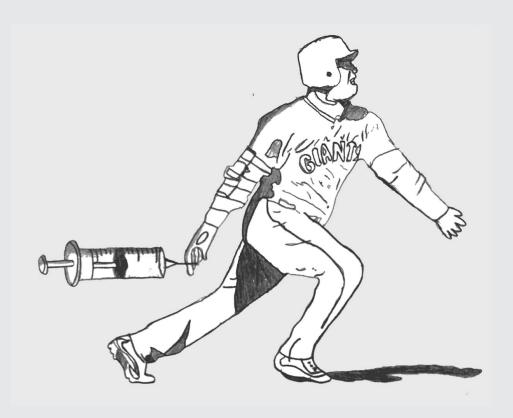
Gene doping is the transfer of genes or genetically modified cells into an individual as a potential method for athletic performance. Many athletes use gene doping to activate certain attributes in the body. There are two types of gene doping, there's somatic cell modification and germline modification. In somatic cell modification, the cells are altered by injection. Germline modification is changing the sperm or ova cells, so that the changes affect the children and possibly their children. Somatic cell modification is more popularly used in America.

## Barry Bonds, a Face Behind the Needle

**Chandler Makings** 

Barry Bonds, a former San Francisco Giants first baseman, was suspected for using a PED (Performance Enhancing Drug) on September 3rd, 2003. Since then, Bonds was suspected for using steroids that was undetectable in a basic drug test. He states "You're talking about something that wasn't even illegal at the time. All this stuff about supplements, protein shakes, whatever. Man, it's not like this is the Olympics. You've got to come back day after day after day. There are far worse things like cocaine, heroin and those types of things."

In this quote, he's excalaiming that something, like the supplements he's taking, isn't as bad compared to the regular steroids that other athletes do.



### Hence, Merriment

Jackson Willier

Injected by hopefulness and rejuvenation, sacred ground covered as you continue, overcome by the benefits of relief, asleep and rejoiced by all and others.



#### Hence, Torment

**Jackson Willier** 

Injected by regrets and lies,
poison from the ones strolling
through pavement as water,
faulted to the darkness of embarrassment,
forever woken by the hatred and
guilt projected to thy.



### Mighty Mouse

#### Josephine Gombert

The Salk Institute of San Diego were able to create 'marathon mice' due to gene doping. These mice are able to run twice as far as regular mice without getting tired. Not only would it affect the longevity of these mice, it would also increase the overall speed. This information could possibly alter the future of athletics because gene doping can also be used on humans. This can alter one's DNA to code for any specific proteins desired. Due to the fact that gene doping is nearly untraceable, it will be difficult to accuse athletes of using these enhancements.

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