Birthday	(YEAR/MM/DD):	/	/ /	/

HC70A/PLSS 059 - Genetic Engineering in Medicine, Agriculture, & Law

Professors Bob Goldberg & Channapatna Prakash Winter 2020 Genetic Engineering Opinion Survey

N=	=29 =		
			Genetic Engineering in Medicine
	=27 = 72	1.	If in your family history there is a lethal incurable genetic disease (e.g., Huntington's Disease), would you want to be tested to see if you carried the lethal gene?
			a. Yesb. No
	= 29 = 0	2.	If you carried the dominant lethal gene and became pregnant using <i>in vitro</i> fertilization, would have embryos tested for the gene before implantation? a. Yes b. No
	= 28 = 1	3.	If you carried the dominant lethal gene, would you use <i>in vitro fertilization</i> (IVF) and PGD to screen for "normal" embryos before implantation? a. Yes b. No
	= 25 = 4	4.	If you determined that your embryo carried the dominant lethal gene, would you use gene editing to alter its DNA so that the gene becomes normal? a. Yes
	= 22 = 7	5.	 b. No Should editing human embryos be permitted in order to cure lethal diseases even though the engineered genes will be passed on to the next generation? a. Yes b. No
A=19 B= 2 C= 1 D=0	E=6 F=0 N/A= ²		If you could choose traits for your baby, would you choose to: a. Rule out a genetic disease b. Ensure greater intelligence c. Influence height, weight, or hair/eye color d. Select gender (male or female)
	A= 21 B= 8	7.	e. All of the above Should parents that carry a gene for a genetic disease be required to test their children to determine whether they are carriers or have the disease? a. Yes b. No
	λ= 10 3= 19	8.	Should a child that is born with a genetic disease be allowed to sue their parents for failing to have a genetic test for the disease that is causing the child so much "misery;" if a gene test exists? That is, sue for wrongful life liability? a. Yes
	A= 16 B= 13	9.	 b. No If parents choose to give birth to a child with a genetic disease, should the parents or society, pay for the health care for their child? a. Parents b. Society
	\= 16 3= 13	10.	If you could undergo gene therapy and change any of your genetic traits (e.g., eye color, hair color, skin color, presence/absence of body hair, etc.) without any adverse effects, would you do it? a. Yes

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A= 26	11	b. No . Should the government regulate gene therapy – that is, altering genes to cure or prevent genetic diseases – by passing specific legislation at the state and/or
B= 3		federal levels? a. Yes b. No
A= 27 B= 2	12	. Should cloning of human embryos be permitted in order to obtain patient-specific stem cells to cure diseases such as diabetes, Parkinson's, and muscular dystrophy? a. Yes b. No c.
A= 11 B= 18	13	 Should the state and/or federal government ban the cloning of human beings? a. Yes b. No
A= 28 B= 1	14	 Would you allow yourself to be vaccinated with a genetically engineered vaccine in order to make you immune to common flu viruses? a. Yes b. No
A= 29 B= 0	15	. Would you allow yourself to be injected with a genetically engineered drug in order to treat a life-threatening illness? a. Yes b. No
A= 20 B= 9	16	a. Yes b. No Genetic Engineering in the Law
A= 16 B= 13	1.	Should the police be allowed to collect DNA from suspected criminals without a search warrant? a. Yes b. No
A= 18 B= 10 n/a= 1	2.	Should law enforcement agencies be allowed to use ancestry DNA databases to solve crimes without the permission of individuals who have submitted their DNA sequences to the database? a. Yes b. No
A= 14 B= 15	3.	Should every individual who is arrested for a crime be required to have his/her DNA fingerprinted and deposited in a National Criminal DNA database (CODIS)? a. Yes b. No
A= 0 B= 29	4.	Should insurance companies have access to your genetic records, or DNA fingerprints, without your permission? a. Yes b. No
A= 0 B= 29	5.	Should employers be able to obtain access to employees' genetic records and/or DNA fingerprints without permission? a. Yes b. No
A= 4 B= 25		Should employers be allowed to require their employees to undergo DNA testing? a. Yesb. No
A= 20 B= 9	7.	Should the state and/or federal government regulate funding for stem cell research?

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C= 1 D=28

nd animals are GMOs.
oods are harmful to your health.
•
almon has been approved by the FDA for human
•
red that are resistant to insects and require no pesticides?
ntroversy is science based?
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QUESTION TWO —5,000 points

My attitudes on genetic engineering, GMOs, and the importance of biotechnology advances to society have changed as a result of learning about the scientific foundations and applications of genetic engineering in medicine, agriculture, and the law.

A= 28	A. Yes
B= 1	B. No