

# Reproductive Rights in the Era of CRISPR

Presentation by Jonathan Mills

A dark blue diagonal graphic that starts from the bottom left corner and extends towards the top right corner, creating a triangular shape in the bottom right of the slide.

# Key Concepts:

Somatic vs. Germ Cells

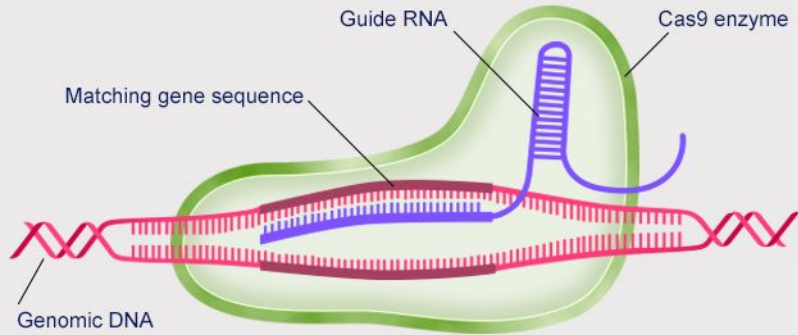
Gene Editing vs. Gene Therapy

Therapeutic vs. Non-therapeutic Modifications

The use of CRISPR to genetically engineer human embryos will adversely impact societal diversity by perpetuating “superior” human traits in terms of race, class, and overall ability.

# What is CRISPR?

Clustered **R**egularly Interspaced **S**hort **P**alindromic **R**epeats



<http://worldgenetics.com/need-know-crispr-gene-editing/>

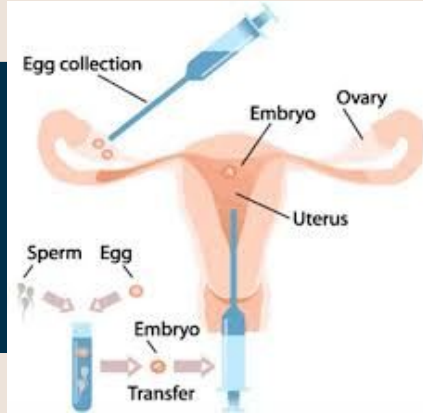


<http://thestateweekly.com/the-organic-review-genetically-modified-designer-baby-is-born/>



<https://rank.ezvid.com/genetically-modified-animals-one-c-an-own>

# Pre-CRISPR Reproductive Technologies



<https://lifeivfcenter.com/ivf-treatments/>

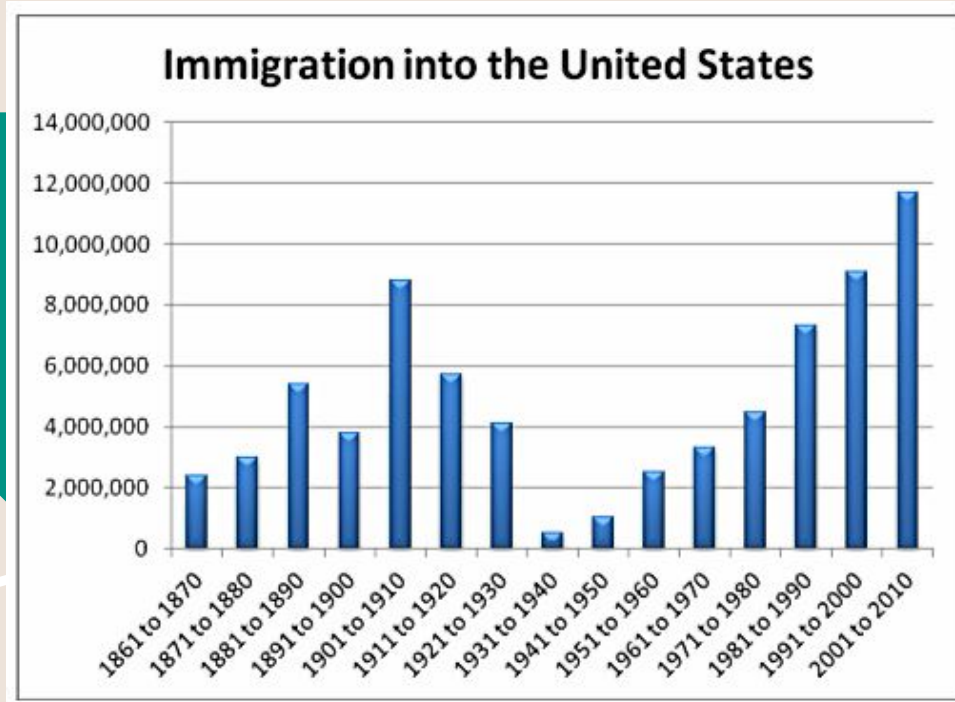


<https://www.bioedge.org/bioethics/ectogenesis-the-end-of-the-abortion-debate/12493>

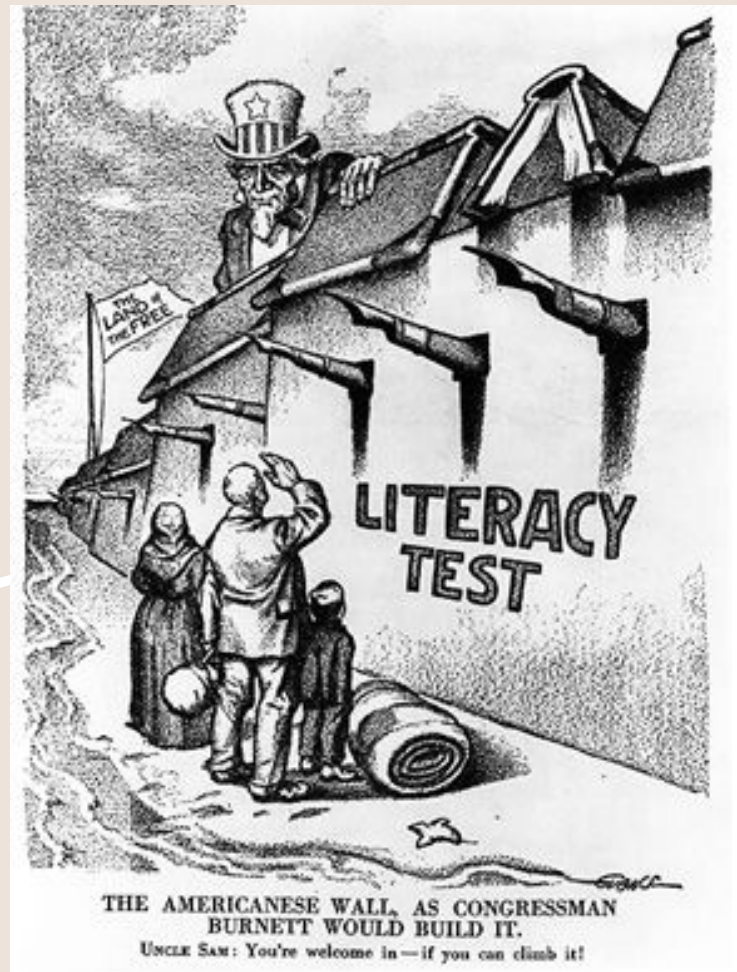
**STOP  
GENDERICIDE  
NOW**

<https://www.nationalrighttolife.org/news/2017/05/why-are-sex-selective-abortions-so-offensive-if-abortion-itself-isnt/>

# Eugenic History in America



<http://www.immigrationeis.org/about-leis/us-immigration-history>



<https://cityeconomist.blogspot.com/2017/02/immigration-centennial-of-immigration.html>



<http://exhibits.hsl.virginia.edu/eugenics/3-buckybell/>



<https://www.indyweek.com/indyweek/the-american-eugenics-movement-after-world-war-ii-part-1-of-3/Content?oid=2468789>



<http://science.sciencemag.org/user/logout?current=node/630396>

# CRISPR as a Eugenic Practice

Idealized images of masculinity and femininity as presented in sperm and egg donor data

Racial makeup of donors as well as favored traits/characteristics



Table 1: Race and Ethnicity of Sperm Donors (2012)\*

Race and Ethnicity	Sperm Donor	Percentage of Donor Population	Percentage of U.S. Male Population
White	9380	80.4	66.4
African American	41	3.5	12.2
Latino	32	2.8	14.8
Asian	99	8.6	4.4
Other	54	4.7	2.2

Table 2: Race and Ethnicity of Egg Donors (2012)

Race and Ethnicity	Egg Donors	Percentage of Egg Donor Population	Percentage of U.S. Female Population
White	273	76.04	65.8
African American	22	6.13	12.1
Latina	19	5.29	15.1
Asian	22	6.13	4.3
Other	23	6.41	2.7

\*Data collected from the top 12 sperm banks in the U.S. that operate on a national scale (includes: California Cyrobank, Cryogenic Laboratories (two sites), Cryogram Colorado, Fairfax Cyrobank and Fairfax Doctorate (two sites), Idant Laboratories, New England Cyrogenic Center, Fertility Center of California, Pacific Reproductive Services, Xytex, and Zygen Laboratories.

# Who should decide?

Government control vs. Parental Autonomy



<https://www.hypnosisdownloads.com/sites/www.hypnosisdownloads.com/files/product-images/control-freak.jpg>

# Other Forms of Discrimination



<https://sites.google.com/site/classismandyou/classism-and-social>



<https://www.meriahnichols.com/stopableismbecause/>

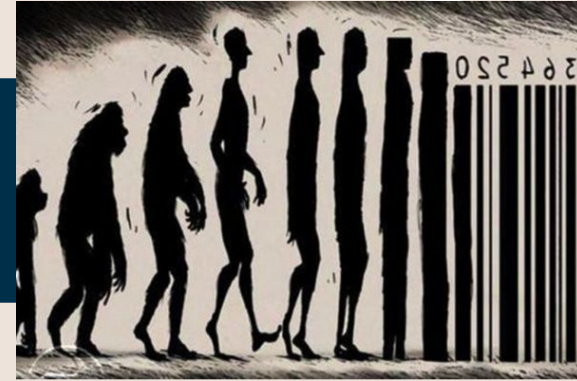
# Control over the Child-Bearer's Body



<https://www.theglobeandmail.com/life/parenting/unnatural-selection-is-evolving-reproductive-technology-ushering-in-a-new-age-of-eugenics/article1357885/>



<https://www.bioedge.org/bioethics/ectogenesis-the-end-of-the-abortion-debate/12493>



<http://newyorkcircle.org/?exhibition=on-commodification-and-self-ownership>

# The Future of Humanity



<https://www.canstockphoto.com/gap-between-rich-and-poor-man-43715586.html>



<http://www.melbournstemcellcentre.com/news/2014/11/21/the-importance-of-clinical-trials>



<https://www.aaas.org/news/quest-scientific-source-light-middle-east-nears-completion>

# Literature Cited:

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Daniels, Cynthia R. and Erin Heidt-Forsythe. "Gendered Eugenics and the Problematic of Free Market Reproductive Technologies: Sperm and Egg Donation in the United States." *Signs* 37, no. 3 (Spring 2012): 719-747.

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