Should We Worry About a New Eugenics?

Facing History and Ourselves 2015

Race & Membership in American History: The Eugenics Movement

> Marcy Darnovsky Center for Genetics and Society

Eugenics past, present, future

DANIEL J. KEVLES





FUTURE PAST: DISABILITY, EUGENICS, BRAVE NEW WORLDS

PAST

FUTURE

A public symposium on the history and ongoing implications of eugenic ideologies and practices for people with disabilities.

Why do these issues matter? How can we address them in teaching and pedagogy, in policy and activism, and in art?

NOVEMBER 01, 2013 San Francisco State University Seven Hill Conference Center 9:00 AM — 8:00 PM

Including a dinner reception and an evening screening of Fixed: The Science/Fiction of Human Enhancement

Viking sperm, doctoral donors





Selection technologies





AND ADRIENNE ASCH

New selection technologies



"Get Ready for the Flood of Fetal Gene Screening...The spectre of eugenics will loom over the whole discussion." Nature, Jan 2011

Embryo Screening for...



LA fertility clinic offers embryo screening for hair, eye and skin color.

"Others are frightened by the criticism but we have no problems with it."

Genetic testing







GATTACA: "Valids" & "in-valids"



Designer babies & "Gen-Rich"



"An authoritative and timely book on a subject we cannot afford to ignore." ---Jonathan Weiner, Pulitzer Prize-winning author of The Beak of the Finch How Genetic Engineering and Cloning Will Transform the American Family "The use of reprogenetic technologies is inevitable. For better and worse, a new age is upon us."

nest decade, they should be ap- | he says, "it was harrifying to most people, and most saul TIME, JANUART IL 1999

bly, their IO and personality type.

HAT PEOPLE THINK

Bule out a fatal disease

sure greater intelligence

niluence height or weight 🔒

a tast their children for there? Yes 3 No

Yes

Engineering the Human Germline

Engineering the Human Germline

An Exploration of the Science and Ethics of Altering the Genes We Pass to Our Children

> Gregory Stock John Campbell

Goal: To make inheritable genetic modification "acceptable" to the public.

Conclusion: "The question is not if, but when and how."

Science facts





A prominent techno-enthusiast

"We have created a society that is so technologically complex that we must now create people who are smart enough to manage it." Daniel Koshland





And another

"People say it would be terrible if we made all girls pretty. I think it would be great."

"All our social policies are based on the fact that [Africans'] intelligence is the same as ours - whereas all the testing says not really."

Race: biological or social?

A TROUBLESOME Inheritance

GENES, RACE AND HUMAN HISTORY

NICHOLAS WADE

Author of Vefore the Dawn

HOW SCIENCE, POLITICS, AND BIG BUSINESS RE-CREATE RACE IN THE TWENTY-FIRST CENTURY

FATAL INVENTION

"An ope-opening, organt, and uttimately implying provided of the new radial solence. Essential reading -faming flavor

DOROTHY ROBERTS

And another



STORY, OREW ENDY ISADOMA DELSE THE 147 SYMMETIC EXCLOSE WORK NO CHOUP AND CHUCK WAGEZ AND STREMAND "What if we could liberate ourselves from the tyranny of evolution by being able to design our own offspring?"

Drew Endy, Stanford University

Old-style genetic engineering



Precision gene editing



"Engineering the Perfect Baby"



MIT Technology Review Scientists are developing ways to edit the DNA of tomorrow's children. Should they stop before it's too late?

"Don't edit the human germ line"

Nature "serious risks...the therapeutic benefits are tenuous." "a path towards... genetic enhancement."



"A prudent path forward..."



A prudent path forward for genomic engineering and germline gene modification

Genetically Modified humans?

Seven reasons to say "No"



Underlying world views

- Vast inequality is normal (or in any case inevitable)
- Extreme uses of technology are wonderful (or inevitable)
- Enhancing individuals is more exciting than improving society
- Let the market decide we don't need public policy

Values for a new biopolitics

Social justice Human rights The common good A precautionary approach Democratic governance

Center for Genetics and Society



geneticsandsociety.org

Visit the CGS <u>website</u> and <u>blog</u>
<u>Sign up</u> for our newsletter
<u>Twitter, Facebook, Google+</u>





Biologists call for halt

The New York Eimes

Biologists Call for Halt to Gene Editing Technique in Human "The technique could be used to cure genetic diseases, but also to enhance qualities like beauty or intelligence. The latter is a path that many ethicists believe should never be taken."