

Babies by Design: The Ethics of Genetic Choice

By Ronald M. Green



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We stand on the brink of unprecedented growth in our ability to understand and change the human genome. New reproductive technologies now enable parents to select some genetic traits for their children, and soon it will be possible to begin to shape ourselves as a species. Despite the loud cries of alarm that such a prospect inspires, Ronald Green argues that we will, and we should, undertake the direction of our own evolution. A leader in the bioethics community, Green offers a scientifically and ethically informed view of human genetic selfmodification and the possibilities it opens up for a better future. Fears of a terrible Brave New World or a new eugenics movement are overblown, he maintains, and in the more likely future, genetic modifications may improve parents' ability to enhance children's lives and may even promote social justice. The author outlines the new capabilities of genomic science, addresses urgent questions of safety that genetic interventions pose, and explores questions of parenting and justice. He also examines the religious implications of gene modification. Babies by design are assuredly in the future, Green concludes, and by making responsible choices as we enter that future, we can incorporate gene technology in a new age of human adventure.



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Editorial Review

From Publishers Weekly

In his latest, Dartmouth College bioethicist Green (The Human Embryo Research Debates) embraces a vision of future parenthood bound to stir controversy, arguing that parents will, and should, give children the advantage of more "attractive physical features." Starting with the assumption that "we are entering the era of directed human evolution," he suggests that coming methods of in vitro fertilization will allow parents to genetically pre-select babies, not only to eliminate diseases like cystic fibrosis, but to promote what he calls "cosmetico-genomics." Scenario in place, Green explores a number of racially-charged hypotheticals: "Will dark-skinned African American parents choose to have lighter-skinned children?" Will Jewish parents use genetic rhinoplasty to change a "Jewish nose"? Will Asian-Americans "westernize" their children's eyes? Green answers that parents are right to reduce the unfair but very real social burdens facing their offspring, and dismisses objections as "status quo bias." Although he's peppered his argument with disclaimers that his vision would not reopen the door to the eugenics movements (the kind that underpinned Nazi Germany's genocidal master plan), readers may come away unconvinced; either way, this provoking book provides a rare, cogent look at the "plusses" of genetically enhanced offspring.

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Review

"Green has actively engaged the topic of genetic engineering by not only providing the latest science, but by presenting arguments with all their attendant emotional baggage. The combination is a powerful one, but comes off exceptionally well."—Eric M. Meslin, Indiana University Center for Bioethics (Eric M. Meslin)

"Not only is Green's scholarship rock-solid, he is also the most balanced and thoughtful of the many analysts in this area—neither an avid supporter who believes in science above all, nor an arch conservative who would take us back to the dark ages."—Dean H. Hamer, molecular biologist and author of *The Science of Desire, Living with Our Genes* and *The God Gene* (Dean H. Hamer)

"Green presents ethical positions and arguments in the context of modern thought, and in a language that will be accessible to scholars, scientists and lay-people."—Lee Silver, Princeton University (Lee Silver)

"With his close and sound attention to the relevant science and his attention to the relevant religious, ethical, and policy perspectives and debates, Green has offered a well-integrated set of arguments that can serve to educate and guide students in courses in college and policy makers alike."—James F. Childress, John Allen Hollingsworth Professor of Ethics, Institute for Practical Ethics and Public Life, University of Virginia (James F. Childress)

"This is a brilliant and provocative book by one of the top—and most visionary—bioethicists in the world. It takes us into the era of directed human evolution, which may soon redefine people's relationships, capabilities, and even our concepts of freedom and justice."—Robert Lanza, Vice President of Research and Scientific Development at Advanced Cell Technology (Robert Lanza)

"In this clear-eyed and generally optimistic book, both promise and risk are ably weighed and balanced. The science is clearly explained, and there are signposts to help guide us through the moral maze."—*Economist* (*Economist*)

"By providing examples, contextualizing issues within the framework of stories in popular fiction, and presenting a balanced view of the topics, the author allows the reader to fully explore the issues embedded in the scientific transformation created by the genomic revolution."—Nancy A. Ridenour, *Science Books & Films*

(Nancy A. Ridenour Science Books & Films 2008-04-01)

"Green has written for a broad readership of nonspecialists. . . . accessible and engaging--qualities that are rare in the bioethics literature."--Commonweal

(Commonweal 2010-04-09)

About the Author

Ronald M. Green is Eunice and Julian Cohen Professor for the Study of Ethics and Human Values and director of the Ethics Institute at Dartmouth College. He was founding director of the Office of Genome Ethics at the National Human Genome Research Institute of the National Institutes of Health. He is the author of six previous books, most recently The Human Embryo Research Debates: Bioethics and the Vortex of Controversy.

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