



# **Altered Genes, Twisted Truth: How the Venture to Genetically Engineer Our Food Has Subverted Science, Corrupted Government, and Systematically Deceived the Public**

*By Steven Druker*

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This book uncovers the biggest scientific fraud of our age. It tells the fascinating and frequently astounding story of how the massive enterprise to restructure the genetic core of the world's food supply came into being, how it advanced by consistently violating the protocols of science, and how for more than three decades, hundreds of eminent biologists and esteemed institutions have systematically contorted the truth in order to conceal the unique risks of its products—and get them onto our dinner plates.

*Altered Genes, Twisted Truth* provides a graphic account of how this elaborate fraud was crafted and how it not only deceived the general public, but Bill Clinton, Bill Gates, Barack Obama and a host of other astute and influential individuals as well. The book also exposes how the U.S. Food and Drug Administration (FDA) was induced to become a key accomplice--and how it has broken the law and repeatedly lied in order to usher genetically engineered foods onto the market without the safety testing that's required by federal statute. As a result, for fifteen years America's families have been regularly ingesting a group of novel products that the FDA's own scientific staff had previously determined to be unduly hazardous to human health.

By the time this gripping story comes to a close, it will be clear that the degradation of science it documents has not only been unsavory but unprecedented--and that in no other instance have so many scientists so seriously subverted the standards they were trained to uphold, misled so many people, and imposed such magnitude of risk on both human health and the health of the environment.

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## **Editorial Review**

### **Review**

“Without doubt, one of the most important books of the last 50 years. I shall urge everyone I know who cares about life on earth, and the future of their children, and children’s children, to read it. . . . Steven Druker is a hero. He deserves at least a Nobel Prize.”--**Jane Goodall, Ph.D. (*from the Foreword*)**

“A fascinating book: highly informative, eminently readable, and most enjoyable. It’s a real page-turner and an eye-opener.”--**Richard C. Jennings, Ph.D., Department of History and Philosophy of Science, University of Cambridge, UK**

“This incisive and insightful book is truly outstanding. Not only is it well-reasoned and scientifically solid, it’s a pleasure to read--and a must-read. Through its masterful marshalling of facts, it dispels the cloud of disinformation that has misled people into believing that GE foods have been adequately tested and don't entail abnormal risk.” --**David Schubert, Ph.D. molecular biologist and Head of Cellular Neurobiology, Salk Institute for Biological Studies**

“*Altered Genes, Twisted Truth* is lucid, illuminating, and alarming. As a former New York City prosecutor, I was shocked to discover how the FDA illegally exempted GE foods from the rigorous testing mandated by federal statute. And as the mother of three young kids, I was outraged to learn how America’s children are being callously exposed to experimental foods that were deemed abnormally risky by the FDA’s own experts.”--**Tara-Cook Littman, J.D.**

“Steven Druker has written a great book that could well be a milestone in the endeavor to establish a scientifically sound policy on genetically engineered foods. The evidence is comprehensive, clear, and compelling; and its credibility is irrefutable. No one has documented other cases of irresponsible behavior by government regulators and the scientific establishment nearly as well as Druker documents this one. His book should be widely read and thoroughly heeded.”--**John Ikerd, Ph.D. Professor Emeritus of Agricultural and Applied Economics, University of Missouri – Columbia**

*“Altered Genes, Twisted Truth* will stand as a landmark. It should be required reading in every university biology course.”--**Joseph Cummins, Ph.D. Professor Emeritus of Genetics, Western University, London, Ontario**

“Steven Druker's meticulously documented, well-crafted, and spellbinding narrative should serve as a clarion call to all of us. In particular, his chapter detailing the deadly epidemic of 1989-90 that was linked with a genetically engineered food supplement is especially significant. I and my Mayo Clinic colleagues were active participants in the attempt to identify the cause of this epidemic. Druker provides a comprehensive analysis of all the evidence and also presents new findings from our work. Overall his discussion of this tragic event, as well as its ominous implications, is the most comprehensive, evenly balanced and accurate account that I have read.”--**Stephen Naylor, PhD CEO and Chairman of MaiHealth Inc., Professor of Biochemistry and Molecular Biology, & Pharmacology Mayo Clinic (1991-2001)**

“Steven Druker has done a beautiful job of weaving a compelling scientific argument into an engaging narrative that often reads like a detective story, and he makes his points dramatically and clearly. The examination of genetic engineering from the standpoint of software engineering is especially insightful, exposing how the former is more like a ‘hackathon’ than a careful, systematic methodology for revising complex information systems. I will recommend this book to my friends.”--**Thomas J. McCabe, developer of the cyclomatic complexity software metric, a key analytic tool in computer programming employed throughout the world**

“Based on over 30 years of teaching computer science at universities and on extensive experience as a programmer in private industry, I can state that Steven Druker has done an excellent job of demonstrating the recklessness of the current practices of genetic engineering in comparison to the established practices of software engineering. His book presents a striking contrast between the two fields, showing how software engineers progressively developed greater awareness of the inherent risks of altering complex information systems – and accordingly developed more rigorous procedures for managing them – while genetic technicians have largely failed to do either, despite the fact that the information systems they alter are far more complex, and far less comprehended, than any human-made system.”--**Ralph Bunker, PhD**

“Steven Druker has written one of the few books I have encountered, in my many years of public interest work, with the capacity to drive major change in a major issue. What Ralph Nader’s *Unsafe at Any Speed* was to the auto industry and what Rachel Carson’s *Silent Spring* was to synthetic pesticides, *Altered Genes, Twisted Truth* will be to genetically engineered food. It is profoundly penetrating, illuminating, and compelling, and it could stimulate a monumental and beneficial shift in our system of food production.”--**Joan Levin, JD, MPH**

*“Altered Genes, Twisted Truth* is a remarkable work that may well change the public conversation on one of the most important issues of our day. If the numerous revelations it contains become widely known, the arguments being used to defend genetically engineered foods will be untenable.”--**Frederick Kirschenmann, Phd Distinguished Fellow, Leopold Center for Sustainable Agriculture, Iowa State University, Author of Cultivating an Ecological Conscience**

“Druker's brilliant exposé catches the promoters of GE food red-handed: falsifying data, corrupting regulators, lying to Congress. He thoroughly demonstrates how distortions and deceptions have been piled one on top of another, year after year, producing a global industry that teeters on a foundation of fraud and denial. This book is sure to send shock waves around the world.”--**Jeffrey M. Smith, international bestselling author of *Seeds of Deception & Genetic Roulette***

*“Altered Genes, Twisted Truth* is very readable, thorough, logical and thought-provoking. Steven Druker exposes shenanigans employed to promote genetic engineering that will surprise even those who have followed the ag-biotech industry closely for years. I strongly recommend his book.”--**Belinda Martineau, Ph.D., a co-developer of the first genetically engineered whole food and author of *First Fruit: The Creation of the Flavr Savr™ Tomato and the Birth of Biotech Foods***

“Altered Genes, Twisted Truth reveals how the inception of molecular biotechnology ignited a battle between those committed to scientific accuracy and the public interest and those who saw genetic engineering's commercial potential. Steven Druker's meticulously researched book pieces together the deeply disturbing and tremendously important history of the intertwined science and politics of GMOs. Understanding this ongoing struggle is a key to understanding science in the modern world.”--**Allison Wilson, PhD molecular geneticist, Science Director, The Bioscience Resource Project**

#### About the Author

Steven M. Druker is a public interest attorney who, as executive director of the Alliance for Bio-Integrity, initiated a lawsuit that forced the FDA to divulge its files on genetically engineered foods. This revealed that politically appointed administrators had covered up the warnings of their own scientists about the unusual risks of these foods and then allowed them to be marketed illegally. In organizing the suit, he assembled an unprecedented coalition of eminent scientists and religious leaders to stand with his organization as co-plaintiffs - the first time scientists had sued a federal administrative agency on the grounds that one of its policies is scientifically unsound.

He is a prominent commentator on the risks of GE foods and has served on the food safety panels at conferences held by the National Research Council and the FDA, has given lectures at numerous universities (including the Biological Laboratories at Harvard), and has met with government officials throughout the world, including the heads of food safety for France, Ireland, and Australia. In 1998, he was invited to the White House Executive Offices to discuss risks of GE crops with a task force of the President's Council on Environmental Quality. His articles on GE food have appeared in several respected publications, including

*The Congressional Quarterly Researcher*, *The Parliament Magazine*, and *The Financial Times*. He earned his B.A. in philosophy at the University of California, Berkeley (with high honors that included a special award for "Outstanding Accomplishment") and received his Juris Doctor from the same institution (and was elected to both the Law Review and the legal honor society).

## **Users Review**

### **From reader reviews:**

#### **Virginia Glass:**

Spent a free time to be fun activity to try and do! A lot of people spent their sparetime with their family, or their very own friends. Usually they doing activity like watching television, about to beach, or picnic inside the park. They actually doing same thing every week. Do you feel it? Do you need to something different to fill your free time/ holiday? Could be reading a book is usually option to fill your no cost time/ holiday. The first thing that you ask may be what kinds of publication that you should read. If you want to consider look for book, may be the book untitled *Altered Genes, Twisted Truth: How the Venture to Genetically Engineer Our Food Has Subverted Science, Corrupted Government, and Systematically Deceived the Public* can be fine book to read. May be it is usually best activity to you.

#### **Jewel Tarr:**

Playing with family inside a park, coming to see the water world or hanging out with friends is thing that usually you could have done when you have spare time, after that why you don't try thing that really opposite from that. One particular activity that make you not experiencing tired but still relaxing, trilling like on roller coaster you have been ride on and with addition info. Even you love *Altered Genes, Twisted Truth: How the Venture to Genetically Engineer Our Food Has Subverted Science, Corrupted Government, and Systematically Deceived the Public*, you are able to enjoy both. It is excellent combination right, you still need to miss it? What kind of hang-out type is it? Oh seriously its mind hangout folks. What? Still don't buy it, oh come on its known as reading friends.

#### **Paul Anderson:**

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#### **William Henderson:**

What is your hobby? Have you heard this question when you got students? We believe that that issue was given by teacher on their students. Many kinds of hobby, All people has different hobby. And you also know



that little person like reading or as studying become their hobby. You have to know that reading is very important and book as to be the matter. Book is important thing to increase you knowledge, except your current teacher or lecturer. You see good news or update concerning something by book. Amount types of books that can you decide to try be your object. One of them is this Altered Genes, Twisted Truth: How the Venture to Genetically Engineer Our Food Has Subverted Science, Corrupted Government, and Systematically Deceived the Public.

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