

[MOBI] Genome The Graphic Novelscience Fiction

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The Genome-Sergei Lukyanenko 2014-12-02 A science fiction thriller by the author of Night Watch, the hit novel that inspired two major motion pictures Five months after the horrific accident that left him near death and worried that he'd never fly again, master-pilot Alex Romanov lands a new job: captaining the sleek passenger vessel Mirror. Alex is a spesh—a human who has been genetically modified to perform particular tasks. As a captain and pilot, Alex has a genetic imperative to care for passengers and crew—no matter what the cost. His first mission aboard Mirror is to ferry two representatives of the alien race Zzygou on a tour of human worlds. His task will not be an easy one, for aboard the craft are several speshes who have reason to hate the Others. Dark pasts, deadly secrets, and a stolen gel-crystal worth more than Alex's entire ship combine to challenge him at every turn. And as the tension escalates, it becomes apparent that greater forces are at work to bring the captain's world crashing down.

Legend of Sumeria-Biju Parekkadan 2018-03-15 Legend of Sumeria is a hard science graphic novel that unravels a story of genetics, identity, and the fate of the human race. When the world becomes governed by genetics, who will have the code to save the species?

The Stuff of Life-Mark Schultz 2009-01-23 Let's face it: From adenines to zygotes, from cytokinesis to parthenogenesis, even the basics of genetics can sound utterly alien. So who better than an alien to explain it all? Enter Bloort 183, a scientist from an asexual alien race threatened by disease, who's been charged with researching the fundamentals of human DNA and evolution and laying it all out in clear, simple language so that even his slow-to-grasp-the-point leader can get it. In the hands of the award-winning writer Mark Schultz, Bloort's predicament becomes the means of giving even the most science-phobic reader a complete introduction to the history and science of genetics that's as easy to understand as it is entertaining to read.

The Genome Odyssey-Dr. Euan Angus Ashley 2021-02-23 In The Genome Odyssey, Dr. Euan Ashley, Stanford professor of medicine and genetics, brings the breakthroughs of precision medicine to vivid life through the real diagnostic journeys of his patients and the tireless efforts of his fellow doctors and scientists as they hunt to prevent, predict, and beat disease. Since the Human Genome Project was completed in 2003, the price of genome sequencing has dropped at a staggering rate. It's as if the price of a Ferrari went from \$350,000 to a mere forty cents. Through breakthroughs made by Dr. Ashley's team at Stanford and other dedicated groups around the world, analyzing the human genome has decreased from a heroic multibillion dollar effort to a single clinical test costing less than \$1,000. For the first time we have within our grasp the ability to predict our genetic future, to diagnose and prevent disease before it begins, and to decode what it really means to be human. In The Genome Odyssey, Dr. Ashley details the medicine behind genome sequencing with clarity and accessibility. More than that, with passion for his subject and compassion for his patients, he introduces readers to the dynamic group of researchers and doctor detectives who hunt for answers, and to the pioneering patients who open up their lives to the medical community during their search for diagnoses and cures. He describes how he led the team that was the first to analyze and interpret a complete human genome, how they broke genome speed records to diagnose and treat a newborn baby girl whose heart stopped five times on the first day of her life, and how they found a boy with tumors growing inside his heart and traced the cause to a missing piece of his genome. These patients inspire Dr. Ashley and his team as they work to expand the boundaries of our medical capabilities and to envision a future where genome sequencing is available for all, where medicine can be tailored to treat specific diseases and to decode pathogens like viruses at the genomic level, and where our medical system as we know it has been completely revolutionized.

Genome-Matt Ridley 2013-03-26 The genome's been mapped. But what does it mean? Arguably the most significant scientific discovery of the new century, the mapping of the twenty-three pairs of chromosomes that make up the human genome raises almost as many questions as it answers. Questions that will profoundly impact the way we think about disease, about longevity, and about free will. Questions that will affect the rest of your life. Genome offers extraordinary insight into the ramifications of this incredible breakthrough. By picking one newly discovered gene from each pair of chromosomes and telling its story, Matt Ridley recounts the history of our species and its ancestors from the dawn of life to the brink of future medicine. From Huntington's disease to cancer, from the applications of gene therapy to the horrors of eugenics, Matt Ridley probes the scientific, philosophical, and moral issues arising as a result of the mapping of the genome. It will help you understand what this scientific milestone means for you, for your children, and for humankind.

Editing the Soul-Everett Hamner 2017-10-23 Personal genome testing, gene editing for life-threatening diseases, synthetic life: once the stuff of science fiction, twentieth- and twenty-first-century advancements blur the lines between scientific narrative and scientific fact. This examination of bioengineering in popular and literary culture shows that the influence of science on science fiction is more reciprocal than we might expect. Looking closely at the work of Margaret Atwood, Richard Powers, and other authors, as well as at film, comics, and serial television such as Orphan Black, Everett Hamner shows how the genome age is transforming both the most commercial and the most sophisticated stories we tell about the core of human personhood. As sublime technologies garner public awareness beyond the genre fiction shelves, they inspire new literary categories like “slipstream” and shape new definitions of the human, the animal, the natural, and the artificial. In turn, what we learn of bioengineering via popular and literary culture prepares the way for its official adoption or restriction—and for additional representations. By imagining the connections between emergent gene testing and editing capacities and long-standing conversations about freedom and determinism, these stories help build a cultural zeitgeist with a sharper, more balanced vision of predisposed agency. A compelling exploration of the interrelationships among science, popular culture, and self, Editing the Soul sheds vital light on what the genome age means to us, and what's to come.

Connecting Comics to Curriculum-Karen W. Gavigan 2011 Here is the essential guide for librarians and teachers who want to develop a quality, curriculum-based graphic novel collection—and use its power to engage and inform middle and high school students. * Photos of school libraries, classrooms, and students * Model template lesson plans by subject area * A list of recommended resources, such as professional books, websites and blogs * A glossary of common graphic novel terms * Bibliographies of quality classic and contemporary graphic novel titles for libraries and classrooms, broken down into middle school and high school curricular areas

Gene Mapper-Taiyo Fujii 2015-06-16 In a future where reality has been augmented and biology itself has been hacked, the world's food supply is genetically modified, superior, and vulnerable. When gene mapper Hayashida discovers that his custom rice plant has experienced a dysgenic collapse, he suspects sabotage. Hayashida travels across Asia to find himself in Ho Chi Minh City with hired-gun hacker Yagodo at his side—and in mortal danger—as he pushes ever nearer to the heart of the mystery. -- VIZ Media

The Gene-Siddhartha Mukherjee 2016-05-17 The #1 NEW YORK TIMES Bestseller The basis for the PBS Ken Burns Documentary The Gene: An Intimate History From the Pulitzer Prize-winning author of The Emperor of All Maladies—a fascinating history of the gene and “a magisterial account of how human minds have laboriously,

ingeniously picked apart what makes us tick” (Elle). "Sid Mukherjee has the uncanny ability to bring together science, history, and the future in a way that is understandable and riveting, guiding us through both time and the mystery of life itself." --Ken Burns “Dr. Siddhartha Mukherjee dazzled readers with his Pulitzer Prize-winning The Emperor of All Maladies in 2010. That achievement was evidently just a warm-up for his virtuoso performance in The Gene: An Intimate History, in which he braids science, history, and memoir into an epic with all the range and biblical thunder of Paradise Lost” (The New York Times). In this biography Mukherjee brings to life the quest to understand human heredity and its surprising influence on our lives, personalities, identities, fates, and choices. “Mukherjee expresses abstract intellectual ideas through emotional stories...[and] swaddles his medical rigor with rhapsodic tenderness, surprising vulnerability, and occasional flashes of pure poetry” (The Washington Post). Throughout, the story of Mukherjee’s own family—with its tragic and bewildering history of mental illness—reminds us of the questions that hang over our ability to translate the science of genetics from the laboratory to the real world. In riveting and dramatic prose, he describes the centuries of research and experimentation—from Aristotle and Pythagoras to Mendel and Darwin, from Boveri and Morgan to Crick, Watson and Franklin, all the way through the revolutionary twenty-first century innovators who mapped the human genome. “A fascinating and often sobering history of how humans came to understand the roles of genes in making us who we are—and what our manipulation of those genes might mean for our future” (Milwaukee Journal-Sentinel), The Gene is the revelatory and magisterial history of a scientific idea coming to life, the most crucial science of our time, intimately explained by a master. “The Gene is a book we all should read” (USA TODAY).

Decoding Genes with Max Axiom, Super Scientist-Amber J. Keyser 2010-01-01 "In graphic novel format, follows the adventures of Max Axiom as he explains the science behind genes"--Provided by publisher.

The Atlantis Gene-A.G. Riddle 2014-12-09 THE BATTLE TO SAVE HUMANITY HAS BEGUN. Off the coast of Antarctica, a research vessel discovers a mysterious structure buried deep within an iceberg. Entombed for thousands of years, it can't possibly be man-made. But a secretive and ruthless cabal think they know what it is... and what it means. The Immari have spent millennia preparing for the return of humanity's ancient enemy. Faced with an extinction-level threat, they believe mankind's only chance of survival will mean sacrificing 99.9% of the planet's population. It's a price the Immari are prepared to pay. Geneticist Kate Warner and intelligence agent David Vale may have a chance to avert the looming catastrophe, but only if they can decode the secrets of the Atlantis Gene and unlock the truth about humanity's origins.

Graphic Justice-Thomas Giddens 2015-03-24 The intersections of law and contemporary culture are vital for comprehending the meaning and significance of law in today's world. Far from being unsophisticated mass entertainment, comics and graphic fiction both imbue our contemporary culture, and are themselves imbued, with the concerns of law and justice. Accordingly, and spanning a wide variety of approaches and topics from an international array of contributors, Graphic Justice draws comics and graphic fiction into the range of critical resources available to the academic study of law. The first book to do this, Graphic Justice broadens our understanding of law and justice as part of our human world—a world that is inhabited not simply by legal concepts and institutions alone, but also by narratives, stories, fantasies, images, and other cultural articulations of human meaning. Engaging with key legal issues (including copyright, education, legal ethics, biomedical regulation, and legal personhood) and exploring critical issues in criminal justice and perspectives on international rights, law and justice—all through engagement with comics and graphic fiction—the collection showcases the vast breadth of potential that the medium holds. Graphic Justice will be of interest to academics and postgraduate students in: cultural legal studies; law and the image; law, narrative and literature; law and popular culture; cultural criminology; as well as cultural and comics studies more generally.

Editing Humanity-Kevin Davies 2020-10-06 One of the world's leading experts on genetics unravels one of the most important breakthroughs in modern science and medicine. If our genes are, to a great extent, our destiny, then what would happen if mankind could engineer and alter the very essence of our DNA coding? Millions might be spared the devastating effects of hereditary disease or the challenges of disability, whether it was the pain of sickle-cell anemia to the ravages of Huntington's disease. But this power to “play God” also raises major ethical questions and poses threats for potential misuse. For decades, these questions have lived exclusively in the realm of science fiction, but as Kevin Davies powerfully reveals in his new book, this is all about to change. Engrossing and page-turning, Editing Humanity takes readers inside the fascinating world of a new gene editing technology called CRISPR, a high-powered genetic toolkit that enables scientists to not only engineer but to edit the DNA of any organism down to the individual building blocks of the genetic code. Davies introduces readers to arguably the most profound scientific breakthrough of our time. He tracks the scientists on the front lines of its research to the patients whose powerful stories bring the narrative movingly to human scale. Though the birth of the “CRISPR babies” in China made international news, there is much more to the story of CRISPR than headlines seemingly ripped from science fiction. In Editing Humanity, Davies sheds light on the implications that this new technology can have on our everyday lives and in the lives of generations to come.

Introducing Epigenetics-Cath Ennis 2017-02-02 Epigenetics is the most exciting field in biology today, developing our understanding of how and why we inherit certain traits, develop diseases and age, and evolve as a species. This non-fiction comic book introduces us to genetics, cell biology and the fascinating science of epigenetics, which is rapidly filling in the gaps in our knowledge, allowing us to make huge advances in medicine. We'll look at what identical twins can teach us about the epigenetic effects of our environment and experiences, why certain genes are 'switched on' or off at various stages of embryonic development, and how scientists have reversed the specialization of cells to clone frogs from a single gut cell. In Introducing Epigenetics, Cath Ennis and Oliver Pugh pull apart the double helix, examining how the epigenetic building blocks and messengers that interpret and edit our genes help to make us, well, us.

Stairway Vol. 1-Matt Hawkins 2018-08-22 When a postgraduate student discovers a way to unlock information hidden deep in our "junk DNA," parts of bio-schematics and other pieces of baffling data are found. This discovery triggers the largest scientific initiative since the Manhattan Projects, with teams of scientists working to collect and collate this information. But will they find a stairway to heaven, or will they unleash something that will kill us all? COMPARISON TITLES If you like THINK TANK and TRANSHUMAN, you'll love STAIRWAY!

Oryx and Crake-Margaret Atwood 2010-07-27 A stunning and provocative new novel by the internationally celebrated author of The Blind Assassin, winner of the Booker Prize. Margaret Atwood's new novel is so utterly compelling, so prescient, so relevant, so terrifyingly-all-too-likely-to-be-true, that readers may find their view of the world forever changed after reading it. This is Margaret Atwood at the absolute peak of her powers. For readers of Oryx and Crake, nothing will ever look the same again. The narrator of Atwood's riveting novel calls himself Snowman. When the story opens, he is sleeping in a tree, wearing an old bedsheet, mourning the loss of his beloved Oryx and his best friend Crake, and slowly starving to death. He searches for supplies in a wasteland where insects proliferate and pigeons and wolvsog ravage the pleeblands, where ordinary people once lived, and the Compounds that sheltered the extraordinary. As he tries to piece together what has taken place, the narrative shifts to decades earlier. How did everything fall apart so quickly? Why is he left with nothing but his haunting memories? Alone except for the green-eyed

Children of Crake, who think of him as a kind of monster, he explores the answers to these questions in the double journey he takes - into his own past, and back to Crake's high-tech bubble-dome, where the Paradice Project unfolded and the world came to grief. With breathtaking command of her shocking material, and with her customary sharp wit and dark humour, Atwood projects us into an outlandish yet wholly believable realm populated by characters who will continue to inhabit our dreams long after the last chapter.

Axiom's End cover

Axiom's End-Lindsay Ellis 2020-07-21 THE INSTANT NEW YORK TIMES BESTSELLER The alternate history first contact adventure Axiom's End is an extraordinary debut from Hugo finalist and video essayist Lindsay Ellis. Truth is a human right. It's fall 2007. A well-timed leak has revealed that the US government might have engaged in first contact. Cora Sabino is doing everything she can to avoid the whole mess, since the force driving the controversy is her whistleblower father. Even though Cora hasn't spoken to him in years, his celebrity has caught the attention of the press, the Internet, the paparazzi, and the government—and with him in hiding, that attention is on her. She neither knows nor cares whether her father's leaks are a hoax, and wants nothing to do with him—until she learns just how deeply entrenched her family is in the cover-up, and that an extraterrestrial presence has been on Earth for decades. Realizing the extent to which both she and the public have been lied to, she sets out to gather as much information as she can, and finds that the best way for her to uncover the truth is not as a whistleblower, but as an intermediary. The alien presence has been completely uncommunicative until she convinces one of them that she can act as their interpreter, becoming the first and only human vessel of communication. Their otherworldly connection will change everything she thought she knew about being human—and could unleash a force more sinister than she ever imagined.

Genome cover

Genome-A. G. Riddle 2019-06-08 In 2003, the first human genome was sequenced. But the secrets it held were never revealed. The truth was discovered thirty years ago, almost by accident. Dr. Paul Kraus had spent his entire career searching for what he called humanity's lost tribes -- human ancestors who had gone extinct. When Kraus compared the DNA samples of the lost tribes with our own, he found a pattern of changes: a code. At the time, the technology didn't exist to unravel what it meant. To protect the secret, Kraus hid his work and disappeared. Now the technology exists to finally understand the mysterious code buried in the human genome, but finding the pieces of Kraus's research is omre dangerous than anyone imagined.

Invasive Species cover

Invasive Species-Joseph Wallace 2013 When a newly evolved predator swarms out of the African jungle, devouring everything in its path, the fate of the human race falls on a small band of scientists, doctors and adventurers. By the author of Diamond Ruby. Original.

Blueprint cover

Blueprint-Robert Plomin 2019-07-02 A top behavioral geneticist makes the case that DNA inherited from our parents at the moment of conception can predict our psychological strengths and weaknesses. In Blueprint, behavioral geneticist Robert Plomin describes how the DNA revolution has made DNA personal by giving us the power to predict our psychological strengths and weaknesses from birth. A century of genetic research shows that DNA differences inherited from our parents are the consistent lifelong sources of our psychological individuality—the blueprint that makes us who we are. Plomin reports that genetics explains more about the psychological differences among people than all other factors combined. Nature, not nurture, is what makes us who we are. Plomin explores the implications of these findings, drawing some provocative conclusions—among them that parenting styles don't really affect children's outcomes once genetics is taken into effect. This book offers readers a unique insider's view of the exciting synergies that came from combining genetics and psychology. The paperback edition has a new afterword by the author.

A Life Decoded cover

A Life Decoded-J. Craig Venter 2007-10-18 The triumphant memoir of the man behind one of the greatest feats in scientific history Of all the scientific achievements of the past century, perhaps none can match the deciphering of the human genetic code, both for its technical brilliance and for its implications for our future. In A Life Decoded, J. Craig Venter traces his rise from an uninspired student to one of the most fascinating and controversial figures in science today. Here, Venter relates the unparalleled drama of the quest to decode the human genome?a goal he predicted he could achieve years earlier and more cheaply than the government-sponsored Human Genome Project, and one that he fulfilled in 2001. A thrilling story of detection, A Life Decoded is also a revealing, and often troubling, look at how science is practiced today.

Cartoon Guide to Genetics cover

Cartoon Guide to Genetics-Larry Gonick 1991-08-14 Have you ever asked yourself: Are spliced genes the same as mended Levis? Watson and Crick? Aren't they a team of British detectives? Plant sex? Can they do that? Is Genetic Mutation the name of one of those heavy metal bands? Asparagine? Which of the four food groups is that in? Then you need The Cartoon Guide to Genetics to explain the important concepts of classical and modern genetics—it's not only educational, it's funny too!

Decoding Our DNA cover

Decoding Our DNA-Karen G. Ballen 2012-11-01 In the mid-1980s, a group of biologists proposed a daring project. They suggested that geneticists should sequence the human genome. That meant figuring out the exact order of the three billion chemical pairs that make up human DNA. Sequencing the human genome could help scientists understand how our bodies work—and why they sometimes don't work. It could help doctors diagnose, treat, and prevent certain diseases. Despite skepticism about the project's feasibility and cost, the Human Genome Project launched in 1990, with scientists around the world collaborating on the research. They worked slowly and methodically, trying to produce the most accurate information possible. By 1991 one of these scientists, Craig Venter, became fed up with the HGP's slow pace. He challenged the HGP to move faster—first by introducing new techniques, then by starting his own company to compete with the HGP. The race was on. Venter's challenge sped up the sequencing of the human genome. Racing neck and neck, the two organizations reached their goal years ahead of schedule. But the challenge also led to a bitter public argument, especially over who could use the sequence and how. It grew so ugly that the U.S. president demanded an end to it. This book reveals how ambition, persistence, ego, greed, and principle combined—often with explosive results—in the quest to decode our DNA.

The Agile Gene cover

The Agile Gene-Matt Ridley 2012-02-14 Armed with extraordinary new discoveries about our genes, acclaimed science writer Matt Ridley turns his attention to the nature-versus-nurture debate in a thoughtful book about the roots of human behavior. Ridley recounts the hundred years' war between the partisans of nature and nurture to explain how this paradoxical creature, the human being, can be simultaneously free-willed and motivated by instinct and culture. With the decoding of the human genome, we now know that genes not only predetermine the broad structure of the brain, they also absorb formative experiences, react to social cues, and even run memory. They are consequences as well as causes of the will.

Star Trek: The Fall: A Ceremony of Losses cover

Star Trek: The Fall: A Ceremony of Losses-David Mack 2013-10-29 Doctor Julian Bashir puts everything on the line to try to find a cure to stop the Andorian species from careening toward extinction. Original. 75,000 first printing.

History of Human Genetics cover

History of Human Genetics-Heike I. Petermann 2017-05-10 Written by 30 authors from all over the world, this book provides a unique overview of exciting discoveries and surprising developments in human genetics over the last 50 years. The individual contributions, based on seven international workshops on the history of human genetics, cover a diverse range of topics, including the early years of the discipline, gene mapping and diagnostics. Further, they discuss the status quo of human genetics in different countries and highlight the value of genetic counseling as an important subfield of medical genetics.

Neanderthal Man cover

Neanderthal Man-Svante Pääbo 2014-02-11 An influential geneticist traces his investigation into the genes of humanity's closest evolutionary relatives, explaining what his sequencing of the Neanderthal genome has revealed about their extinction and the origins of modern humans.

Beggars in Spain cover

Vintage Tomorrows cover

Beggars in Spain-Nancy Kress 2009-05-19 In a world where the slightest edge can mean the difference between success and failure, Leisha Camden is beautiful, extraordinarily intelligent ... and one of an ever-growing number of human beings who have been genetically modified to never require sleep. Once considered interesting anomalies, now Leisha and the other "Sleepless" are outcasts -- victims of blind hatred, political repression, and shocking mob violence meant to drive them from human society ... and, ultimately, from Earth itself. But Leisha Camden has chosen to remain behind in a world that envies and fears her "gift" -- a world marked for destruction in a devastating conspiracy of freedom ... and revenge.

Life Script cover

Vintage Tomorrows-James H. Carrott 2013-02-11 What would today’s technology look like with Victorian-era design and materials? That’s the world steampunk envisions: a mad-inventor collection of 21st century-inspired contraptions powered by steam and driven by gears. In this book, futurist Brian David Johnson and cultural historian James Carrott explore steampunk, a cultural movement that’s captivated thousands of artists, designers, makers, hackers, and writers throughout the world. Just like today, the late 19th century was an age of rapid technological change, and writers such as Jules Verne and H.G. Wells commented on their time with fantastic stories that jumpstarted science fiction. Through interviews with experts such as William Gibson, Cory Doctorow, Bruce Sterling, James Gleick, and Margaret Atwood, this book looks into steampunk’s vision of old-world craftsmen making beautiful hand-tooled gadgets, and what it says about our age of disposable technology. Steampunk is everywhere—as gadget prototypes at Maker Faire, novels and comic books, paintings and photography, sculptures, fashion design, and music. Discover how this elaborate view of a history that never existed can help us reimagine our future.

The Genome Project cover

The Genome Project-Aaron Hodges 2019-03-11 In 2051, America is no more. Risen from the ashes of civil war, the Western Allied States ruthlessly eradicate any threat to the new union. Traitors are executed without trial, their families seized. But a terrifying plague is sweeping through the nation. Its victims do not die--they change. People call them the Chead, and where they walk, destruction follows. Desperate to stop its spread, the government turns to the children of traitors for a solution. Eighteen-year-old Elizabeth Flores is one of the unlucky 'volunteers' for their experiments. Made a fugitive by the death of her parents, she seeks refuge in the city of Sacramento..but the hunters are waiting, and she is imprisoned along with hundreds of others deep in the Californian mountains. Stripped of her rights, Elizabeth soon learns there is little separating humanity from the monsters they seek to destroy... Blending the dystopian Hunger Games with the insane experiments of Stranger Things, fans will love this new imagining of a not-so-distant future. Enter an all new world with New York Times Bestselling Author, Aaron Hodges. *This series was originally published as the Praegressus Project, but has been rewritten and rebranded.

Retrovirus cover

Life Script-Nicholas Wade 2002-03-02 With the decoding of the human genome, researchers can now read the script in which evolution has written the program for the design and operation of the human body. A new generation of medical treatments is at hand. Researchers are developing therapies so powerful that there is now no evident obstacle to the ancient goal of conquering most major diseases. Nicholas Wade has covered the sequencing of the genome, as well as other health and science stories, for The New York Times, in the course of which he has interviewed many of the principal researchers in the field. In this book he describes what the genome means for the health of present and future generations. Someday soon physicians will have access to DNA chips that, from a drop of blood, will screen a person's genes for all the diseases to which he or she may be genetically vulnerable. From full knowledge of the instruction manual of the human body, provided by the genome, pharmaceutical companies hope to develop a new generation of sophisticated drugs; one of the first genome-derived drugs is already undergoing clinical trials. Another vital tool will be regenerative medicine, a new kind of therapy in which new organs and tissues will be grown from a patient's own cells to replace those that are old or diseased. With the help of DNA chips, medical researchers will soon be able to diagnose diseases such as cancer much more precisely and to tailor specific treatments for each patient. Individualized medicine will also become an important part of the pharmaceutical world. Many drugs will be prescribed based on information from DNA chips that identify which of a range of drugs is best for each patient, as well as which drugs are likely to cause side effects. The medicine of the post-genomic era will be customized for a patient's genetic make-up, providing treatments based on a precise understanding of the mechanism of disease. Life Script describes a future in which good health, even perfect health, may become the standard for everyone -- at every age.

Retrovirus cover

Retrovirus-Jimmy Palmiotti Story: Jimmy Palmiotti and Justin Gray Art: Norberto Fernandez When Zoe, a brilliant young scientist who specializes in identifying extinct viruses, is offered a job at a remote research facility in Antarctica, she soon discovers her employer has unearthed a perfectly preserved Neanderthal. That is only one of the many dark secrets lurking at the facility as Zoe races against time to stop a global pandemic. In the vein of Andromeda Strain, Altered States and Jurassic Park, RETROVIRUS seamlessly blends human drama, action, science fiction and horror in a graphic novel written by JIMMY PALMIOTTI and JUSTIN GRAY and art by NORBERTO FERNANDEZ. Nudity and violence makes this an adults only title. (72 pages)

Transcension cover

Transcension-Damien Broderick 2020-05-21 Aleph is a machine mentality overseeing a future Earth largely bereft of humans, most of whom have sublimed into a virtuality.Remaining are the smug but cautious adherents of science. Amanda, still a teen at age 30, is a skilled violinist and mathematician but craves the applause of the Mall for some daring exploit. In a nearby enclave live the rustic, non-scientific people who worship the god of their choice. In the center of their poly-religious valley a wicked tower has emerged, surely a tool of evil temptation. Far below, a supersonic railroad is being constructed. Amanda conceives a dangerous feat: to enter the valley and descend to the rushing train, hitching a mad ride to the next city. Using a cyber "Liar bee," she buzzes the ear of young Matthewmark, who chafes under the restrictions of his own narrow society. He agrees to aid Amanda and her friend Vikram Singh, but the scheme goes horribly wrong. Vik dies; Matthewmark's brain is seriously damaged, although he recovers with advanced neurological prostheses. This treatment, condemned by his own people, allows him contact with the AI Aleph. In a series of startling moves, Amanda graduates to adulthood (and her modish clipped speech patterns give way to this new sophistication), while Matthewmark explores uncanny and sometimes very funny opportunities in the Alephverse, climaxing in the dismantling of the solar system and its embrace by the hyperuniverse beyond ours. This is the Singularity, at last, the Transcension, and everyone lives happily ever after, for rather mindboggling values of "lives" and "happily."

The Mysterious World of the Human Genome cover

The Mysterious World of the Human Genome-Frank Ryan 2016 "Originally published in the English language by HarperCollins Publishers Ltd., under the title "The mysterious world of the human genome' ... 2015"--Title page verso.

DNA Is Not Destiny cover

DNA Is Not Destiny-Steven J. Heine 2018-08-21 "Do you fear what might be lurking in your DNA? Well, now you can find out, and you most likely will. Scientists expect one billion people to have their genomes sequenced by 2025, and as the price drops it may even become a standard medical procedure. Yet cultural psychologist Steven J. Heine argues that the first thing we'll do upon receiving our DNA test results is to misinterpret them completely. We've become accustomed to breathless media coverage about newly discovered "cancer" or "IQ" or "infidelity" genes, each one promising a deeper understanding of what makes us tick. But as Heine shows, most of these claims are oversimplified and overhyped misinterpretations of how our DNA really works. With few exceptions, it is a complex combination of experience, environment, and genetics that determines who we are, how we behave, and what diseases will afflict us in the future. So why do we continue to buy into the belief that our genes control our destiny? Heine argues that we are psychologically ill equipped to deal with DNA results, repeatedly falling into predictable biases--switch-thinking, essentialism, fatalism, negativity dominance, and more--that mold our thinking about the information we receive. Heine shares his research--and his own genome-sequencing results--not only to set the record straight regarding what your genes actually reveal about your health, intelligence, ethnic identity, and family, but also to help you counteract these insidious cognitive traps. His fresh, surprising conclusions about the promise, and limits, of genetic engineering and DNA testing upend conventional thinking and reveal a simple, profound truth: your genes create life--but they do not control it."--Jacket.

Chasing Captain America cover

Chasing Captain America-E. Paul Zehr 2018-04-17 Could we create a real-life superhero by changing human biology itself? The form and function of the human body, once entirely delimited by nature, are now fluid concepts thanks to recent advances in biomedical science and engineering. Professor, author, and comic book

enthusiast E. Paul Zehr uses Marvel’s Captain America — an ordinary man turned into an extraordinary hero, thanks to a military science experiment — as an entry-point to this brave new world of science, no longer limited to the realm of fiction. With our ever-expanding scientific and technological prowess, human biological adaptability is now in our fallible human hands. Thanks to the convergence of biology, engineering, and technology, we can now alter our abilities through surgery, pharmaceutical enhancement, technological fusion, and genetic engineering. Written in an accessible manner, *Chasing Captain America* explores these areas and more, asking what the real limits of being human are, how far we should bend those limits, and how we may be forced to reshape human biology if we are to colonize planets like Mars.

The Day of the Triffids-John Wyndham 2010-07-01 The classic postapocalyptic thriller with “all the reality of a vividly realized nightmare” (The Times, London). Triffids are odd, interesting little plants that grow in everyone’s garden. Triffids are no more than mere curiosities—until an event occurs that alters human life forever. What seems to be a spectacular meteor shower turns into a bizarre, green inferno that blinds everyone and renders humankind helpless. What follows is even stranger: spores from the inferno cause the triffids to suddenly take on a life of their own. They become large, crawling vegetation, with the ability to uproot and roam about the country, attacking humans and inflicting pain and agony. William Masen somehow managed to escape being blinded in the inferno, and now after leaving the hospital, he is one of the few survivors who can see. And he may be the only one who can save his species from chaos and eventual extinction . . . With more than a million copies sold, *The Day of the Triffids* is a landmark of speculative fiction, and “an outstanding and entertaining novel” (Library Journal). “A thoroughly English apocalypse, it rivals H. G. Wells in conveying how the everyday invaded by the alien would feel. No wonder Stephen King admires Wyndham so much.” —Ramsey Campbell “One of my all-time favorite novels. It’s absolutely convincing, full of little telling details, and that sweet, warm sensation of horror and mystery.” —Joe R. Lansdale

Genomics-Hans C. Andersson, MD 2020-09-01 Over the past 50 years, scientists have made incredible progress in the application of genetic research to human health care and disease treatment. Innovative tools and techniques, including gene therapy and CRISPR-Cas9 editing, can treat inherited disorders that were previously untreatable, or prevent them from happening in the first place. You can take a DNA test to learn where your ancestors are from. Police officers can use genetic evidence to identify criminals or innocents. And some doctors are using new medical techniques for unprecedented procedures. *Genomics: A Revolution in Health and Disease* delves into the history, science, and ethics behind recent breakthroughs in genetic research. Authors Whitney Stewart and Hans Andersson, MD, present fascinating case studies that show how real people have benefitted from genetic research. Though the genome remains full of mysteries, researchers and

doctors are working hard to uncover its secrets and find the best ways to treat patients and cure diseases. The discoveries to come will inform how we target disease treatment, how we understand our health, and how we define our very identities.

Invisible Frontiers-Stephen S. Hall 2002 Author Stephen Hall weaves together the scientific, social and political threads of this story - the fierce rivalry between labs, the fateful clash of egos within labs, the invasion of academia by commerce, the public fears about genetic engineering, the threat of government regulation, and the ultimate triumph of modern biology - to give us an outstanding tale of scientific research."--BOOK JACKET.

Summary and Analysis of The Gene: An Intimate History-Worth Books 2016-12-13 So much to read, so little time? This brief overview of *The Gene* tells you what you need to know—before or after you read Siddhartha Mukherjee’s book. Crafted and edited with care, Worth Books set the standard for quality and give you the tools you need to be a well-informed reader. This short summary and analysis of *The Gene* by Siddhartha Mukherjee includes: Historical context Chapter-by-chapter summaries Detailed timeline of key events Important quotes Fascinating trivia Glossary of terms Supporting material to enhance your understanding of the original work About Siddhartha Mukherjee’s *The Gene*: From the Pulitzer Prize-winning author of *The Emperor of All Maladies*, *The Gene* is a rigorously scientific, broadly historical, and candidly personal account of the development of the science of genetics, the dramatic ways genes can affect us, and the enormous moral questions posed by our ability to manipulate them. As Siddhartha Mukherjee maps out the fascinating biography of the gene, from research and experimentation to scientific breakthroughs, he always returns to the narrative of his own family’s tragic history of mental illness, reminding us that despite our huge leaps in knowledge, there is still much we do not understand about the incredibly complex human genome. *The Gene* is an important read for anyone concerned about a future that may redefine what it means to be human. The summary and analysis in this ebook are intended to complement your reading experience and bring you closer to a great work of nonfiction.