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# Dna The Story Of The Genetic Revolution

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 They Changed the World: Crick & Watson - The Discovery of DNA

*Dna The Story Of The Genetic Revolution*

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## CHURCH CLARENCE

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*How the Internet of Genes is Changing your life* Simon and Schuster

The classic personal account of Watson and Crick's groundbreaking discovery of the structure of DNA, now with an introduction by Sylvia Nasar, author of *A Beautiful Mind*. By identifying the structure of DNA, the molecule of life, Francis Crick and James Watson revolutionized biochemistry and won themselves a Nobel Prize. At the time, Watson was only twenty-four, a young scientist hungry to make his mark. His uncompromisingly honest account of the heady days of their thrilling sprint against other world-class researchers to solve one of science's greatest mysteries gives a dazzlingly clear picture of a world of brilliant scientists with great gifts, very human ambitions, and bitter rivalries. With humility unspoiled by false modesty, Watson relates his and Crick's desperate efforts to beat Linus Pauling to the Holy Grail of life sciences, the identification of the basic building block of life. Never has a scientist been so

truthful in capturing in words the flavor of his work.

Jennifer Doudna, *Gene Editing, and the Future of the Human Race*  
 Academic Press

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*DNA Nation* OUP Oxford

*Ancestral DNA, Human Origins, and Migrations* describes the

genesis of humans in Africa and the subsequent story of how our species migrated to every corner of the globe. Different phases of this journey are presented in an integrative format with information from a number of disciplines, including population genetics, evolution, anthropology, archaeology, climatology, linguistics, art, music, folklore and history. This unique approach weaves a story that has synergistic impact in the clarity and level of understanding that will appeal to those researching, studying, and interested in population genetics, evolutionary biology, human migrations, and the beginnings of our species. Integrates research and information from the fields of genetics, evolution, anthropology, archaeology, climatology, linguistics, art, music, folklore and history, among others Presents the content in an entertaining and synergistic style to facilitate a deep understanding of human population genetics Informs on the origins and recent evolution of our species in an approachable manner

#### **The DNA Book** Basic Books

"Refreshing.... Asks urgent questions about female ambition. Fans of Lab Girl have found a worthy successor."—Real Simple A powerful debut novel—a wonderfully engaging infusion of Lab Girl, The Assistants, and Eleanor Oliphant Is Completely Fine—that pits the ambition of scientific discovery against the siren call of love. Emily Apell arrives in Justin McKinnon's renowned research lab with the single-minded goal of making a breakthrough discovery. But a colleague in the lab, Aeden Doherty, has been working on a similar topic, and his findings threaten to compete with her research. To Emily's surprise, her rational mind is unsettled by Aeden, and when they end up working together their animosity turns to physical passion, followed by love. Emily eventually allows herself to envision a future with Aeden, but when he decides to leave the lab it becomes clear to her that she must make a choice. It is only years later, when she is about to receive a prestigious award for the work they did together, that Emily is able to unravel everything that happened between them. A sharp, relevant novel that speaks to the ambitions and desires of modern women, *The DNA of You and Me* explores the evergreen question of career versus family, the irrational sensibility of love, and whether one can be a loner without a diagnostic label.

*Ancient DNA and the New Science of the Human Past* Oxford University Press

"Bold and provocative... Regenesi s tells of recent advances that may soon yield endless supplies of renewable energy, increased longevity and the return of long-extinct species."—New Scientist In *Regenesi s*, Harvard biologist George Church and science writer Ed Regis explore the possibilities—and perils—of the emerging field of synthetic biology. Synthetic biology, in which living organisms are selectively altered by modifying substantial portions of their genomes, allows for the creation of entirely new species of organisms. These technologies—far from the out-of-control nightmare depicted in science fiction—have the power to improve human and animal health, increase our intelligence, enhance our memory, and even extend our life span. A breathtaking look at the potential of this world-changing technology, *Regenesi s* is nothing less than a guide to the future of life.

*The Genetic Lottery* Academic Press

Unraveling the Double Helix covers the most colorful period in the history of DNA, from the discovery of "nuclein" in the late 1860s to the publication of James Watson's *The Double Helix* in 1968. These hundred years included the establishment of the Nobel Prize, antibiotics, x-ray crystallography, the atom bomb and two devastating world wars—events which are strung along the thread of DNA like beads on a necklace. The story of DNA is a

saga packed with awful mistakes as well as brilliant science, with a wonderful cast of heroes and villains. Surprisingly, much of it is unfamiliar. The elucidation of the double helix was one of the most brilliant gems of twentieth century science, but some of the scientists who paved the way have been airbrushed out of history. James Watson and Francis Crick solved a magnificent mystery, but Gareth Williams shows that their contribution was the last few pieces of a gigantic jigsaw puzzle assembled over several decades. The book is comprehensive in scope, covering the first century of the history of DNA in its entirety, including the eight decades that have been neglected by other authors. It also explores the personalities of the main players, the impact of their entanglement with DNA, and what unique qualities make great scientists tick.

*DNA* Oxford University Press on Demand

Using genealogy to discover his family's secrets, Steve Anderson uncovers the uncomfortable truth about his biology and the questions it raised for his eight siblings and him. Like many people using new DNA technologies today, Anderson is shocked by his findings and determined to uncover how the truth of one's biology can impact lives and relationships.

*The Inside Story* Simon and Schuster

Charged with the rape and murder of a nine-year-old girl in 1984, Kirk Bloodsworth was tried, convicted, and sentenced to die in Maryland's gas chamber. From the beginning, he proclaimed his innocence, but when he was granted a new trial because his prosecutors improperly withheld evidence, the second trial also resulted in conviction. Bloodsworth read every book on criminal law in the prison library and persuaded a new lawyer to petition for the then-innovative DNA testing. After nine years in one of the harshest prisons in America, Kirk Bloodsworth was vindicated by DNA evidence. He was pardoned by the governor of Maryland and has gone on to become a tireless spokesman against capital punishment.

**How DNA Exposed a Family's Secrets** Yale University Press

A collection of outspoken and topical essays, speeches, and reports by J. D. Watson, co-discoverer of the structure of DNA in 1953 and best-selling author of *The Double Helix*. These often controversial pieces cover the advance of molecular genetics, the prospect of curing cancer over the next decade, how human genetic knowledge is likely to be used, for good or bad, and Watson's early life and career.

*Your DNA Guide - the Book* Penguin

An authoritative history of the race to unravel DNA's structure, by one of our most prominent medical historians. James Watson and Francis Crick's 1953 discovery of the double helix structure of DNA is the foundation of virtually every advance in our modern understanding of genetics and molecular biology. But how did Watson and Crick do it—and why were they the ones who succeeded? In truth, the discovery of DNA's structure is the story of five towering minds in pursuit of the advancement of science, and for almost all of them, the prospect of fame and immortality: Watson, Crick, Rosalind Franklin, Maurice Wilkins, and Linus Pauling. Each was fascinating and brilliant, with strong personalities that often clashed. Howard Markel skillfully re-creates the intense intellectual journey, and fraught personal relationships, that ultimately led to a spectacular breakthrough. But it is Rosalind Franklin—fiercely determined, relentless, and an outsider at Cambridge and the University of London in the 1950s, as the lone Jewish woman among young male scientists—who becomes a focal point for Markel. *The Secret of Life* is a story of genius and perseverance, but also a saga of cronyism, misogyny, anti-Semitism, and misconduct. Drawing on voluminous archival research, including interviews with James Watson and with Franklin's sister, Jenifer Glynn, Markel provides a fascinating look

at how science is done, how reputations are undone, and how history is written, and revised. A vibrant evocation of Cambridge in the 1950s, Markel also provides colorful depictions of Watson and Crick--their competitiveness, idiosyncrasies, and youthful immaturity--and compelling portraits of Wilkins, Pauling, and most cogently, Rosalind Franklin. *The Secret of Life* is a lively and sweeping narrative of this landmark discovery, one that finally gives the woman at the center of this drama her due.

*A Passion for DNA* Dorling Kindersley Ltd

The most influential scientist of the last century, James Watson has been at dead center in the creation of modern molecular biology. This masterful biography brings to life the extraordinary achievements not only of Watson but also all those working on this cutting edge of scientific discovery, such as Walter Gilbert, Francis Crick, Francois Jacob, and David Baltimore. From the ruthless competition in the race to identify the structure of DNA to a near mutiny in the Harvard biology department, to clashes with ethicists over issues in genetics, Watson has left a wake of detractors as well as fans. Victor McElheny probes brilliantly behind the veil of Watson's own invented persona, bringing us close to the relentless genius and scientific impresario who triggered and sustained a revolution in science.

*Ancestral DNA, Human Origins, and Migrations* Benjamin-Cummings Publishing Company

*Enjoy Your Cells* is a new series of children's books from the acclaimed creative partnership of scientist/author Fran Balkwill and illustrator Mic Rolph. Once again, they use their unique brand of simple but scientifically accurate commentary and exuberantly colorful graphics to take young readers on an entertaining exploration of the amazing, hidden world of cells, proteins, and DNA. It's over ten years since Fran and Mic invented a new way of getting science across to children. Think what extraordinary advances have been made in biology in that time--and how often those discoveries made headlines. Stem cells, cloning, embryo transfer, emerging infections, vaccine development. Here in these books are the basic facts behind the public debates. With these books, children will learn to enjoy their cells and current affairs at the same time. And they're getting information that has been written and reviewed by working scientists, so it's completely correct and up-to-date. Readers aged 7 and up will appreciate the stories' lively language and with help, even younger children will enjoy and learn from the jokes and illustrations--no expert required! This series is a must for all elementary school students and those who care about educating them to be well-informed in a world of increasingly complex health-related and environmental issues.

**The Social Life of DNA** Touchstone

This book is a compilation of articles on significant events in the history of biochemistry, which were published in the journal "Trends in Biochemical Sciences." Editor Witkowski has selected articles that present an insider's view of discoveries that are now seen as landmark achievements, and that relate to the central dogma of molecular biology, which is that DNA makes RNA makes protein, or, "once information has passed into protein it cannot get out again." The book begins with Albrecht Kossel and the discovery of histones, and ranges through Schrodinger and the origins of molecular biology, the double helix, DNA replication, protein synthesis, genetic code, tRNA, mRNA, early ribosome research, peptidyl transfer, and finally to the advent of rapid DNA sequencing. Annotation : 2005 Book News, Inc., Portland, OR (booknews.com).

**Inheritance** Simon and Schuster

DNAThe Story of the Genetic RevolutionKnopf

*A Personal Account of the Discovery of the Structure of DNA*  
Abrams

NEW YORK TIMES BESTSELLER "A gripping genetic detective story, and a meditation on the meaning of parenthood and family." --Jennifer Egan, author of *Manhattan Beach* From the acclaimed, best-selling memoirist, novelist--"a writer of rare talent" (Cheryl Strayed)-- and host of the hit podcast *Family Secrets*, comes a memoir about the staggering family secret uncovered by a genealogy test: an exploration of the urgent ethical questions surrounding fertility treatments and DNA testing, and a profound inquiry of paternity, identity, and love. What makes us who we are? What combination of memory, history, biology, experience, and that ineffable thing called the soul defines us? In the spring of 2016, through a genealogy website to which she had whimsically submitted her DNA for analysis, Dani Shapiro received the stunning news that her father was not her biological father. She woke up one morning and her entire history--the life she had lived--crumbled beneath her. *Inheritance* is a book about secrets--secrets within families, kept out of shame or self-protectiveness; secrets we keep from one another in the name of love. It is the story of a woman's urgent quest to unlock the story of her own identity, a story that has been scrupulously hidden from her for more than fifty years, years she had spent writing brilliantly, and compulsively, on themes of identity and family history. It is a book about the extraordinary moment we live in--a moment in which science and technology have outpaced not only medical ethics but also the capacities of the human heart to contend with the consequences of what we discover.

*Bloodsworth* Beacon Press

A provocative and timely case for how the science of genetics can help create a more just and equal society In recent years, scientists like Kathryn Paige Harden have shown that DNA makes us different, in our personalities and in our health--and in ways that matter for educational and economic success in our current society. In *The Genetic Lottery*, Harden introduces readers to the latest genetic science, dismantling dangerous ideas about racial superiority and challenging us to grapple with what equality really means in a world where people are born different. Weaving together personal stories with scientific evidence, Harden shows why our refusal to recognize the power of DNA perpetuates the myth of meritocracy, and argues that we must acknowledge the role of genetic luck if we are ever to create a fair society. Reclaiming genetic science from the legacy of eugenics, this groundbreaking book offers a bold new vision of society where everyone thrives, regardless of how one fares in the genetic lottery.

**DNA to RNA to Protein** DNAThe Story of the Genetic Revolution Devo may have become synonymous with the crass commercialism of 80s new wave, but many of their guiding principles are firmly rooted in the idealism of the 60s. Taking a willfully non-traditional approach to the surprisingly conservative world of rock music, they sought inspiration instead from Dada and Pop art, comic books and homemade electronics, in the process crossing paths with everything from late 60s psychedelia and punk to krautrock and new wave. *Recombo DNA* is the first book to evaluate in the proper context the innovations and accomplishments of this truly groundbreaking band. Opening with the transformative effects of the May 4 1970 shootings at Kent State University--the aftershocks of which are felt throughout the book--author Kevin C. Smith traces the sounds and ideas that Devo absorbed and in turn brought to prominence as unlikely rock stars, dropping in along the way on recording in Germany with Brian Eno, post-apocalyptic filmmaking with Neil Young, and a Jamaican odyssey with Richard Branson. For anyone who has ever wondered where the band who fell to earth came from, here is the answer.



### *It's in Your DNA Campfire*

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 life-long sources of our psychological individuality—the blueprint that makes us who we are. This, says Plomin, is a game changer. Plomin has been working on these issues for almost fifty years, conducting longitudinal studies of twins and adoptees. He reports that genetics explains more of the psychological differences among people than all other factors combined. Genetics accounts for fifty percent of psychological differences—not just mental health and school achievement but all psychological traits, from personality to intellectual abilities. Nature, not nurture is what makes us who we are. Plomin explores the implications of this, drawing some provocative conclusions—among them that parenting styles don't really affect children's outcomes once genetics is taken into effect. Neither tiger mothers nor attachment parenting affects children's ability to get into Harvard. After describing why DNA matters, Plomin explains what DNA does, offering readers a unique insider's view of the exciting synergies that came from combining genetics and psychology.

*The Secret of Life* W. W. Norton & Company

Now completely up-to-date with the latest research advances, the Seventh Edition retains the distinctive character of earlier editions. Twenty-two concise chapters, co-authored by six highly distinguished biologists, provide current, authoritative coverage of an exciting, fast-changing discipline.

*Genes, Genomes, and Society* Cambridge University Press

The unexpected story of how genetic testing is affecting race in America We know DNA is a master key that unlocks medical and forensic secrets, but its genealogical life is both revelatory and endlessly fascinating. Tracing genealogy is now the second-most popular hobby amongst Americans, as well as the second-most visited online category. This billion-dollar industry has spawned popular television shows, websites, and Internet communities, and a booming heritage tourism circuit. The tsunami of interest in genetic ancestry tracing from the African American community has been especially overwhelming. In *The Social Life of DNA*, Alondra Nelson takes us on an unprecedented journey into how the double helix has wound its way into the heart of the most urgent contemporary social issues around race. For over a decade, Nelson has deeply studied this phenomenon. Artfully weaving together keenly observed interactions with root-seekers alongside illuminating historical details and revealing personal narrative, she shows that genetic genealogy is a new tool for addressing old and enduring issues. In *The Social Life of DNA*, she explains how these cutting-edge DNA-based techniques are being used in myriad ways, including grappling with the unfinished business of slavery: to foster reconciliation, to establish ties with African ancestral homelands, to rethink and sometimes alter citizenship, and to make legal claims for slavery reparations specifically based on ancestry. Nelson incisively shows that DNA is a portal to the past that yields insight for the present and future, shining a light on social traumas and historical injustices that still resonate today. Science can be a crucial ally to activism to spur social change and transform twenty-first-century racial politics. But Nelson warns her readers to be discerning: for the social repair we seek can't be found in even the most sophisticated science. Engrossing and highly original, *The Social Life of DNA* is a must-read for anyone interested in race, science, history and how our reckoning with the past may help us to chart a more just course for tomorrow.

### Best Sellers - Books :

- [The Housemaid's Secret: A Totally Gripping Psychological Thriller With A Shocking Twist By Freida Mcfadden](#)
- [Why A Daughter Needs A Dad: Celebrate Your Father Daughter Bond This Father's Day With This Special Picture Book! \(always In My Heart\) By Gregory E. Lang](#)
- [Love You Forever By Robert Munsch](#)
- [Outlive: The Science And Art Of Longevity By Peter Attia Md](#)
- [Killers Of The Flower Moon: The Osage Murders And The Birth Of The Fbi](#)
- [America's Cultural Revolution: How The Radical Left Conquered Everything](#)
- [My First Learn-to-write Workbook: Practice For Kids With Pen Control, Line Tracing, Letters, And More!](#)
- [The Creative Act: A Way Of Being By Rick Rubin](#)
- [If Animals Kissed Good Night By Ann Whitford Paul](#)
- [The Body Keeps The Score: Brain, Mind, And Body In The Healing Of Trauma By Bessel Van Der Kolk M.d.](#)