

Double Helix A Personal Account Of The Discovery O

James D. Watson, Andrew Berry, Kevin Davies

The Double Helix a Personal Account of the Discovery of the Structure of DNA. ,2015 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.

Double Helix James D. Watson, 1998-02-27 Portions of this book were first published in *The Atlantic* monthly.

The Double Helix James D. Watson, 1980 Since its publication in 1968, *The Double Helix* has given countless readers a rare and exciting look at one highly significant piece of scientific research-Watson and Crick's race to discover the molecular structure of DNA.

The Double Helix James Dewey Watson, 1968

The Double Helix James Dewey Watson (Biochimiste, Biologiste moléculaire), 1968

The Annotated and Illustrated Double Helix James D. Watson, Alexander Gann, Jan Witkowski, 2012-11-06 On the fiftieth anniversary of Watson and Crick receiving the Nobel Prize, a freshly annotated and illustrated edition of *The Double Helix* provides new insights into a scientific revolution. Published to mark the fiftieth anniversary of the Nobel Prize for Watson and Crick's discovery of the structure of DNA, an annotated and illustrated edition of this classic book gives new insights into the personal relationships between James Watson, Frances Crick, Maurice Wilkins, and Rosalind Franklin, and the making of a scientific revolution.

The Double Helix James Watson Gerard, 1976

The Double helix ,

The Double Helix James Dewey Watson, 1980

The Path to the Double Helix Robert Cecil Olby,1974

DNA James D. Watson,Andrew Berry,Kevin Davies,2017-08-22 The definitive insider's history of the genetic revolution--significantly updated to reflect the discoveries of the last decade. James D. Watson, the Nobel laureate whose pioneering work helped unlock the mystery of DNA's structure, charts the greatest scientific journey of our time, from the discovery of the double helix to today's controversies to what the future may hold. Updated to include new findings in gene editing, epigenetics, agricultural chemistry, as well as two entirely new chapters on personal genomics and cancer research. This is the most comprehensive and authoritative exploration of DNA's impact--practical, social, and ethical--on our society and our world.

DNA James D. Watson,Andrew Berry,2009-01-21 Fifty years ago, James D. Watson, then just twentyfour, helped launch the greatest ongoing scientific quest of our time. Now, with unique authority and sweeping vision, he gives us the first full account of the genetic revolution—from Mendel’s garden to the double helix to the sequencing of the human genome and beyond. Watson’s lively, panoramic narrative begins with the fanciful speculations of the ancients as to why “like begets like” before skipping ahead to 1866, when an Austrian monk named Gregor Mendel first deduced the basic laws of inheritance. But genetics as we recognize it today—with its capacity, both thrilling and sobering, to manipulate the very essence of living things—came into being only with the rise of molecular investigations culminating in the breakthrough discovery of the structure of DNA, for which Watson shared a Nobel prize in 1962. In the DNA molecule’s graceful curves was the key to a whole new science. Having shown that the secret of life is chemical, modern genetics has set mankind off on a journey unimaginable just a few decades ago. Watson provides the general reader with clear explanations of molecular processes and emerging technologies. He shows us how DNA continues to alter our understanding of human origins, and of our identities as groups and as individuals. And with the insight of one who has remained close to every advance in research since the double helix, he reveals how genetics has unleashed a wealth of possibilities to alter the human condition—from genetically modified foods to genetically modified babies—and transformed itself from a domain of pure research into one of big business as well. It is a sometimes topsy-turvy world full of great minds and great egos, driven by ambitions to improve the human condition as well as to improve investment portfolios, a world vividly captured in these pages. Facing a future of choices and social and ethical implications of which we dare not remain uninformed, we could have no better guide than James Watson, who leads us with the same bravura storytelling that made *The Double Helix* one of the most successful books on science ever published. Infused with a scientist’s awe at nature’s marvels and a humanist’s profound sympathies, *DNA* is destined to become the classic telling of the defining scientific saga of our age.

Life at the Speed of Light J. Craig Venter,2014-09-30 “Venter instills awe for biology as it is, and as it might become in our hands.” —Publishers Weekly On May 20, 2010, headlines around the world announced one of the most extraordinary

accomplishments in modern science: the creation of the world's first synthetic lifeform. In *Life at the Speed of Light*, scientist J. Craig Venter, best known for sequencing the human genome, shares the dramatic account of how he led a team of researchers in this pioneering effort in synthetic genomics—and how that work will have a profound impact on our existence in the years to come. This is a fascinating and authoritative study that provides readers an opportunity to ponder afresh the age-old question “What is life?” at the dawn of a new era of biological engineering.

Rosalind Franklin and DNA Anne Sayre, 2000 A biography of one of the four scientists responsible for the discovery of the molecular structure of DNA, the key to heredity in all living things.

Rosalind Franklin Brenda Maddox, 2013-02-26 In 1962, Maurice Wilkins, Francis Crick, and James Watson received the Nobel Prize, but it was Rosalind Franklin's data and photographs of DNA that led to their discovery. Brenda Maddox tells a powerful story of a remarkably single-minded, forthright, and tempestuous young woman who, at the age of fifteen, decided she was going to be a scientist, but who was airbrushed out of the greatest scientific discovery of the twentieth century.

Gene Machine Venki Ramakrishnan, 2018-11-06 A Nobel Prize-winning biologist tells the riveting story of his race to discover the inner workings of biology's most important molecule Ramakrishnan's writing is so honest, lucid and engaging that I could not put this book down until I had read to the very end. -- Siddhartha Mukherjee, author of *The Emperor of All Maladies* and *The Gene* Everyone has heard of DNA. But by itself, DNA is just an inert blueprint for life. It is the ribosome -- an enormous molecular machine made up of a million atoms -- that makes DNA come to life, turning our genetic code into proteins and therefore into us. *Gene Machine* is an insider account of the race for the structure of the ribosome, a fundamental discovery that both advances our knowledge of all life and could lead to the development of better antibiotics against life-threatening diseases. But this is also a human story of Ramakrishnan's unlikely journey, from his first fumbling experiments in a biology lab to being the dark horse in a fierce competition with some of the world's best scientists. In the end, *Gene Machine* is a frank insider's account of the pursuit of high-stakes science.

The Double Helix James Watson, 2012-09-06 The story of the most significant biological breakthrough of the century - the discovery of the structure of DNA. 'It is a strange model and embodies several unusual features. However, since DNA is an unusual substance, we are not hesitant in being bold' By elucidating the structure of DNA, the molecule underlying all life, Francis Crick and James Watson revolutionised biochemistry. At the time, Watson was only 24. His uncompromisingly honest account of those heady days lifts the lid on the real world of great scientists, with their very human faults and foibles, their petty rivalries and driving ambition. Above all, he captures the extraordinary excitement of their desperate efforts to beat their rivals at King's College to the solution to one of the great enigmas of the life sciences.

Molecular Biology of the Gene James D. Watson, Tania A. Baker, Stephen P. Bell, 2014 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.

Molecular Structure of Nucleic Acids ,1953

The Double Helix Book James D Watson, PH.D.,2008-07-01 Contemporary / British English James D. Watson and Francis Crick won the Nobel Prize in 1962 for the discovery of the double helix, the structure of DNA. In this book, James D. Watson tells the exciting story of this discovery.

Immerse yourself in heartwarming tales of love and emotion with Explore Love with is touching creation, Tender Moments: **Double Helix A Personal Account Of The Discovery O** . This emotionally charged ebook, available for download in a PDF format (Download in PDF: *), is a celebration of love in all its forms. Download now and let the warmth of these stories envelop your heart.

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