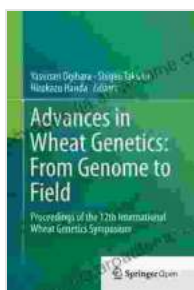


From Genome to Field: The Journey of a Geneticist

By Jennifer Doudna

In her new memoir, *From Genome to Field*, geneticist Dr. Jennifer Doudna chronicles her journey from her early days as a researcher to her work on CRISPR-Cas9, the gene-editing technology that has revolutionized the field of genetics. The book is a fascinating and inspiring read for anyone interested in science, technology, or the future of humanity.

Doudna begins her story with her childhood in Hawaii, where she developed a love of nature and science. She went on to study biochemistry at Harvard University, and then did her postdoctoral research at the University of California, Berkeley. It was at Berkeley that she met Emmanuelle Charpentier, a French scientist who was working on a new gene-editing system called CRISPR-Cas9.



Advances in Wheat Genetics: From Genome to Field: Proceedings of the 12th International Wheat Genetics Symposium

★★★★☆ 4.7 out of 5

Language : English
File size : 17834 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Print length : 461 pages



Doudna and Charpentier quickly realized that CRISPR-Cas9 had the potential to be a powerful tool for gene editing. They began working together to develop the technology, and in 2012, they published a paper in the journal *Science* that described their findings. The paper was a major breakthrough, and it quickly led to a flurry of research on CRISPR-Cas9.

Today, CRISPR-Cas9 is being used to treat a variety of diseases, including cancer, sickle cell anemia, and cystic fibrosis. It is also being used to develop new therapies for genetic disorders, such as Huntington's disease and Alzheimer's disease.

In *From Genome to Field*, Doudna reflects on the ethical implications of gene editing. She argues that CRISPR-Cas9 is a powerful tool that has the potential to be used for good or for evil. She calls on scientists to use the technology responsibly, and to consider the long-term consequences of their work.

From Genome to Field is a fascinating and inspiring read. It is a personal story of scientific discovery, and a meditation on the ethical implications of gene editing. Doudna is a gifted writer, and her book is sure to appeal to a wide range of readers.

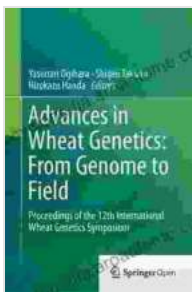
Reviews

"*From Genome to Field* is a must-read for anyone interested in science, technology, or the future of humanity. Doudna is a brilliant scientist and a gifted writer. She has written a book that is both informative and inspiring." -

Bill Gates

"*From Genome to Field* is a fascinating and thought-provoking book. Doudna provides a clear and concise explanation of CRISPR-Cas9, and she raises important ethical questions about the use of the technology. This book is a must-read for anyone who wants to understand the future of gene editing." - **Francis Collins, Director of the National Institutes of Health**

"*From Genome to Field* is a beautifully written and deeply personal account of the scientific journey that led to the development of CRISPR-Cas9. Doudna is a gifted storyteller, and she has written a book that is both informative and inspiring." - **Siddhartha Mukherjee, author of *The Emperor of All Maladies***

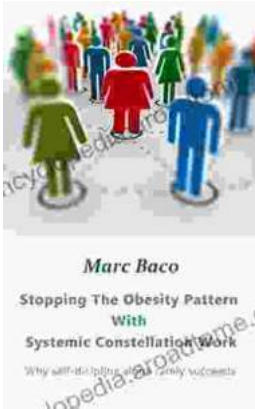


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