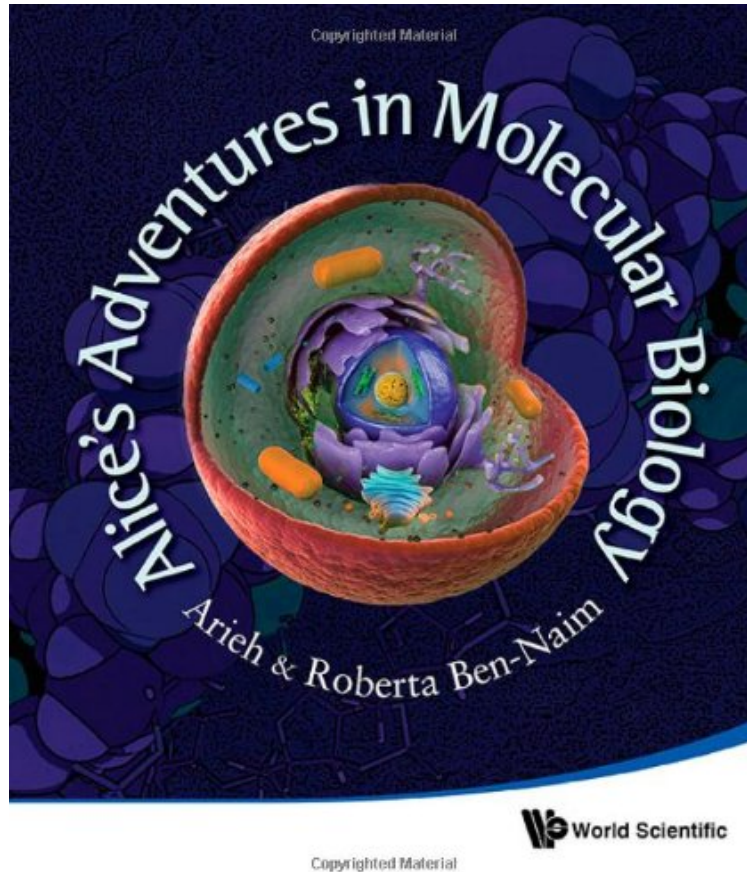


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Alice's Adventures in Molecular Biology

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Arieh Ben-Naim, Roberta Ben-Naim : Alice's Adventures in Molecular Biology before purchasing it in order to gage whether or not it would be worth my time, and all praised Alice's Adventures in Molecular Biology:

3 of 3 people found the following review helpful. An Easy-to-Read Book on Molecular Biology By Liu Xiao This interesting book introduces some recent research on the area of Molecular Biology. The authors successfully present these "advanced" topics in a very easy-to-read fashion. Basically I think anyone can understand this book without any difficulty --- no math or biology background is required. You ever heard about that the mater is composed by some small balls called molecules and atoms? OK, you can read this. Although the book is written in an easy style, it really discusses serious and newest discoveries in Molecular Biology. This book starts with an introduction to the Central Dogma (the DNA/RNA/proteins and their relationship). Then it focuses mainly on answering the following three questions: 1) How the proteins fold quickly to their correct structures? 2) Why different proteins associate tightly? 3) How proteins "recognize" other proteins? These are seemingly easy and basic questions. However, it turns out that people know the answers very recently. The first two questions are even listed by the Journal of Science as "unknowns of science" in 2005! This books tells the readers that water plays an important role in the answers to all these questions.

You can find how the water works by reading this book. After that, you may have new understandings of why water are so important to life. I strongly recommend anyone who are interested in Molecular Biology to read this book. You'll have a pleasing reading experience, while learn new knowledge at the same time. After reading this book, perhaps you'll also appreciate nature's ingenious and human's wisdom as deeply as I did. 2 of 2 people found the following review helpful. An inviting gate to biology By zvi kirson "Alice's adventures in Molecular Biology " by Professor Arie Ben Naim , is an excellent gate to the magic world of biology for the layman , the student and for every one who without prior training is eager to become acquainted with the most essential phenomena of life at the cell . It is more than just a pleasant and friendly introduction to molecular biology. I am involved in biological research and still had a new refreshing inspiring experience while reading "Alice's adventures" . Well known facts got a kind of a new meaning through the vivid picturesque description of Ben Arie . His writing is captivating, stimulates imagination and demonstrates that the beauty of nature can effortlessly be found at the foundations of life, which are too often obscure to the unprofessional . Had I mentioned that no previous study is needed? In a narrative way we follow the adventures of Alice touring the incredible dance of the building elements and their relations that constitute the living cell . DNA . RNA, Proteins and more. Professor Ben Arie's book , written in an amusing easily understandable style , fully overcomes the barrier that prevent the unprofessional from a smooth penetration into the secrets of biological world. Recommended to biology students. Beginners as well as advanced. And for their teachers too. Join the travels of Alice. Zvi kirson, D.Sc. Ministry of Health, Tel Aviv 0 of 0 people found the following review helpful. Alice's adventures in Molecular Biology is a beautiful continuation of Alice's adventures in waterland By M Jacob Alice's adventures in Molecular Biology is a beautiful continuation of Alice's adventures in waterland. I can only hope that many people read these books as early as possible in their life. They really have a chance to grasp the fascination of "simple" water and "complex" biology. This is a book that can be read by children (> 13) as it manages to make the complex simple, the hallmark of Ben Naim's books. When his wife takes part, as in Alice's books, we really get to feel the beauty, romance and poetry inherent in nature. This is also a book that can be read with gain by scientists. One focus is on the famous question of how a protein attains its three-dimensional structure, the protein folding problem. The author is a famous scientist who applied throughout his career theoretical and statistical physics to such questions. Even experienced scientists can get some valuable hints from this book or even a full blown change of perspective.

The refreshing approach taken by the authors combined with a clearly written prose renders this book 'within reach' for most people, especially those who are uninitiated in the field of molecular biology but are interested to learn more about it. To date, there is no other book of this kind that discusses the fundamentals of molecular biology in a lighter fashion. In this book, scientific facts are melded with fiction and the account is imbued with humor. The book will make for an interesting and enjoyable reading experience and will provide useful insights into molecular biology for a wide target audience. Readership: Undergraduates in molecular biology, chemistry (water) and interested lay public.

From the Inside Flap The refreshing approach taken by the author combined with a clearly written prose renders this book 'within reach' for most people, especially those who are uninitiated in the field of molecular biology but are interested to learn more about it. To date, there is no other book of this kind that discusses the fundamentals of molecular biology in a lighter fashion. In this book, scientific facts are melded with fiction and the account is imbued with humor. The book will make for an interesting and enjoyable reading experience and will provide useful insights into molecular biology for a wide target audience.