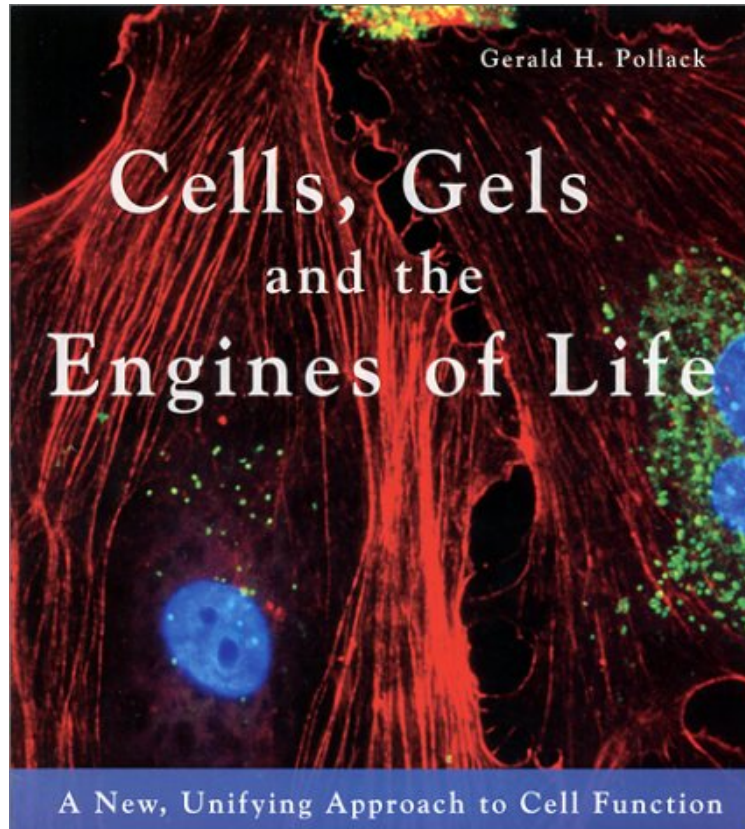


Cells, Gels and the Engines of Life

Gerald H. Pollack

DOC | *audiobook | ebooks | Download PDF | ePub



DOWNLOAD



READ ONLINE

#232568 in Books 2001-03-10Original language:EnglishPDF # 1 9.20 x .70 x 8.50l, 1.90 #File Name: 0962689521320 pages | File size: 65.Mb

Gerald H. Pollack : Cells, Gels and the Engines of Life before purchasing it in order to gage whether or not it would be worth my time, and all praised Cells, Gels and the Engines of Life:

1 of 1 people found the following review helpful. A MUST READBy L. TALENTOAn absolutely seminal work in cell biology. An instant classic. Highly recommended.4 of 5 people found the following review helpful. I've already worn out two copies.By Jonathan D. LettvinThis is a very casual book dealing with a very serious and important issue. Control of water state is behind everything the nervous system does, and that is my favorite subject on which to speculate.2 of 3 people found the following review helpful. a fascinating bookBy CatreThis is an exciting book revisiting old models of cells and proposing new ways of looking at structure, permeability, water, etc. I'm not a chemistry whiz, so it took me a while to really think it through, but his explanations are clear, graphic and simple. It was well worth the time !

An award-winning book that challenges the current wisdom of how cells work in a visionary, provocative, and accessible way...reads like a detective story. This highly praised book emphasises the role of cell water and the gel-like nature of the cell, building on these features to explore the mechanisms of communication, transport, contraction, division, and other essential cell functions. Lucidly written for the non-expert, the book is profound enough for

biologists, chemists, physicists and engineers to devour.

"Full of deep physical insights into biological structure / function relationships. I found it refreshingly iconoclastic, sensible, and believable." -- Peter Basser, Chief, Tissue Biophysics and Biomimetics, National Institutes of Health
About the Author
Dr. Gerald Pollack is a world leader in the area of muscle contraction and cell motility. He is currently Professor of Bioengineering at the University of Washington. His previous book, "Muscles and Molecules: Uncovering the Principles of Biological Motion" was recipient of an "Excellence Award" from the Society for Technical Communication.