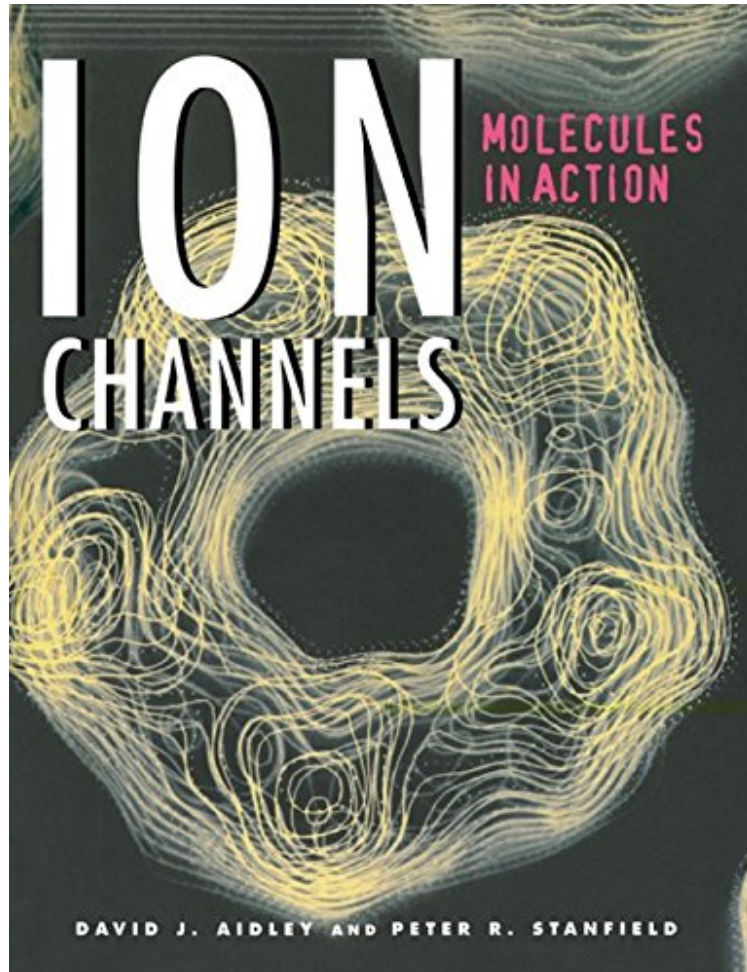


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Ion Channels: Molecules in Action

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David J. Aidley, Peter R. Stanfield : Ion Channels: Molecules in Action before purchasing it in order to gage whether or not it would be worth my time, and all praised Ion Channels: Molecules in Action:

2 of 2 people found the following review helpful. Excellent introductionBy Terrell T. GibbsGetting a bit old now, but although it doesn't cover some of the most recent work it is by no means out of date. It remains one of the best introductions to voltage and ligand-gated ion channels and to electrophysiological methods of study. A good entry to the field, with an excellent bibliography of the primary literature. I don't know if I can recommend it at its list price (it is a slim volume), but used it could be a great buy.0 of 0 people found the following review helpful. Not very good.By JesusSome things are well explained, others just suck. Too wordy. I would recommend to learn about proteins in general and the topic of bioelectricity and that would be ideal.

Ion channels are crucial components of living cells. Situated in the cell membrane, they allow ions to pass from one

side of the membrane to the other. This book provides an overview of ion channel study, including up-to-date coverage of the permeability and selectivity of channels, their gating and modulation, their response to drugs and toxins, and the human diseases that result from channel malfunction. Students of molecular biology, biochemistry, physiology, and neurobiology will benefit from this modern, concise text.

"...[a] clear and concise introduction to the physics, chemistry, and molecular biology used for ion channel research...what distinguishes this book from standard textbooks is the inclusion of some details of the experimental design, so as to allow the reader to have a better feel of how the studies were done and how the abstract theories emerged from the data...The authors have done a fantastic job in presenting a balanced view and in pointing out unsettled areas." Lily Yeh Jan, *Cell*"...this book takes the reader to the frontiers of current research and should be of considerable interest to reproductive and developmental biologists." Ralph B.L. Gwatkin, *Molecular Reproduction and Development*"The new Ion Channels book by David J. Aidley and Peter R. Stanfield offers an easy and smooth initiation....The authors have done a fantastic job in presenting a balanced view and in pointing out unsettled areas." Lily Yeh Jan, *Cell*