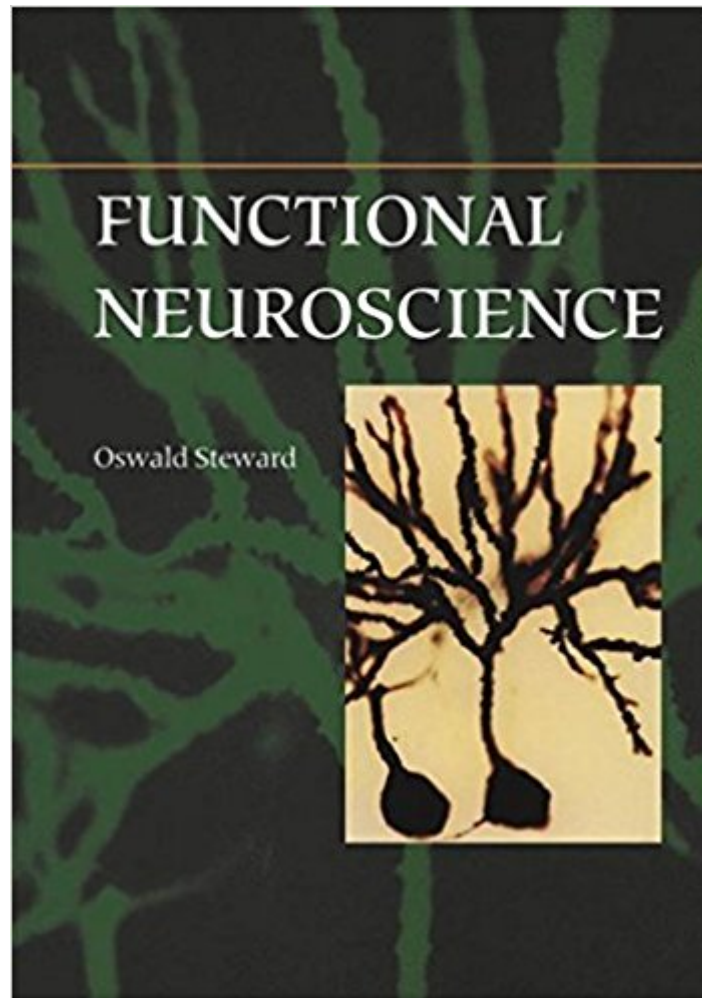




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Functional Neuroscience



Synopsis

An integrated textbook of medical neuroscience, this book coherently presents the anatomy, physiology, and biochemistry of the human nervous system. The neuroanatomy is presented in a way that is integrated with a modern presentation of cellular neurophysiological systems, neuroscience, and cellular, molecular, and developmental neuroscience. Clinical correlations are provided wherever appropriate.

Book Information

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Customer Reviews

The papers included here cover a wide range of issues: fundamental studies of the turbulence problem, practical applications of turbulence, superfluid turbulence, cryogenic facilities and capabilities to support the demands of cryogenic turbulence research, and new types of miniature flow instrumentation. All of these topics are crucial for high-Reynolds-number research. The papers give a state-of-the-art assessment of the use of helium flows - on the one hand, for turbulence research at very high Reynolds and Rayleigh numbers and, on the other, for testing navy and aerospace models under realistic parameter ranges. The editors have provided two survey papers, and a number of pioneering papers are included.

I don't understand how some people can hate this book. For someone who had never taken neuroscience, this book presented by far the best logical explanation for neuroscience. Granted that since I'm still learning neuroscience I can't pick out the "errors" others have talked about, but to me,

this book simply clarified pathways that are explained in super complicated ways in other textbooks. I would say buy this book to give a try and see if you like it, I guess you'll either hit or miss... but if you "hit," it'll be amazing. Finally, in response to other reviewers, I give it to you if it has errors (what textbook doesn't though), but it is NOT disorganized, it has an extremely logical sequence to it (disclaimer, if it helps any: I'm looking at it from a medically-relevant perspective since I'm a med student). Other neuro books I have found useful was definitely Blumenfeld's, which is more extensive, and Haine's Atlas. So I use Functional Neuroanatomy to look up concepts real quick without having to go through all the complexities that Blumenfeld tries to explain (of which it does a really good job, but sometimes I just want the quick answer).

This is the WORST science book I have ever brought. Here are just few of the MANY problems: 1) The text is full of grammatical and factual errors. (Note: I am talking about errors in neuroscience basics, not error due to new discoveries.) 2) The contents within each chapter are poorly organized and confusing. 3) Illustrations rarely, if ever, match the content within the text. For example, sometimes the text mentions a structure but that structure is nowhere on ANY illustrations within the chapter. 4) A shameful index. Very often there will be a neuro word I don't know and have not encountered in previous chapters. I go to the index and guess what? The index points me to the page I started with!!! 5) No glossary. He doesn't define the word in the text. He doesn't redirect with the index. You are basically going to have to grab another neuro book for the definition! 6) The title page claims 100+ color photos. Don't be fooled. That just means he added blue in the pictures. 7) Oh, did I mention there are multiple illustrations that are FLAT OUT WRONG!!! How can the editors of Springer Verlag let this be published!?!?!? Do yourself a favor. If you have this book, BURN it (or write the author for a refund)!!!! If you don't have this book, DON'T WASTE YOUR MONEY!!!

This is my kind of neuro book. It's integrated; it's multidimensional; it's logical; and it makes neuroscience as 'mathematical' as biology can get. What does that mean? Well, it makes cramming unnecessary; to quote Poincare, there are two abilities in learning mathematics: one is sheer memory for steps in a chain of reasoning; the other, in his view by far more important, and which this book facilitates, is an appreciation of the nature of the links between propositions. If these links have been appreciated, the exact identity of the steps becomes less important because, if necessary, they can be reconstructed. This is the finest neuroscience book for its level I've come across; and if I go on to win the Nobel Prize, I know who to thank.

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This is a poorly written book, with many errors. It is confusing, contradictory and badly organized. Avoid if at all possible.

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