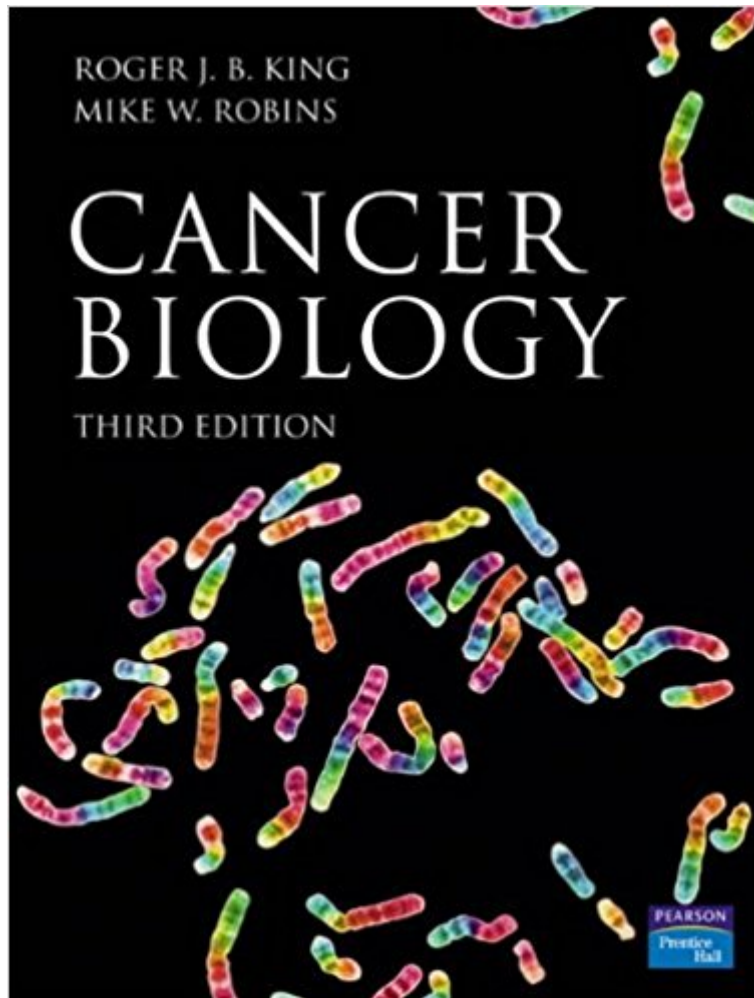




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Cancer Biology (3rd Edition)



Synopsis

Provides a clear, concise and authoritative introduction to the biological principles that underlie the causes and treatment of cancer. The authors draw on their extensive teaching experience to guide students through this complex subject, and knit together the diverse areas encompassed in the study of cancer. This third edition is updated to include areas of recent research which excite student interest.

Book Information

Paperback: 312 pages

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Customer Reviews

This third edition of Cancer Biology provides a clear and concise update of this well respected introductory text on the biological principles of the causes and treatment of cancer. The book has been updated to include areas of recent research to give a more student friendly approach. Several chapters have been revised and expanded where appropriate, but its overall comprehensive coverage of the subject has been maintained throughout. Key features concise introduction to the subject comprehensive up-to-date coverage of key topics in cancer biology chapters have been updated to include any new developments, where appropriate illustrations have been amended to reflect current data references have been moved to the end of each chapter the glossary has been expanded Cancer Biology is an essential text for students of cell biology, biochemistry, molecular biology, genetics and biomedical sciences. It will also be valuable to postgraduate students moving into cancer research. Roger J. King is Honorary Professor in Cellular Oncology at Surrey University, UK. He was formerly Chairman of the International Society

for Hormones and Cancer, Head of the Hormone Biochemistry Department at the Imperial Cancer Research Fund Laboratories and a consultant to the World Health Organisation. Mike Robins was formally Senior Lecturer in Physiology at Kings College, London.

I have most of the introductory cancer biology books currently on the market, and this book by King and Robins is among the better ones, though it's far from ideal. To start with the positive, the main strengths of this book are as follows: 1. The book isn't overly long, so you can read it cover to cover in a reasonable amount of time. 2. The writing is fairly clear and concise. 3. The summaries of key points at the beginning of each chapter are helpful for both preview and review. My main complaint about this book, which applies to other similar books and the cancer research establishment in general, is that there's too much emphasis on details of molecular biology (which have yet to demonstrate meaningful clinical benefit), at the expense of a more balanced and comprehensive approach to cancer biology which pays more attention to topics such as angiogenesis, characteristics of established tumor vasculature, hypoxia, drug penetration into tumors, mechanics of invasion, tumor cell metabolism (particularly aerobic glycolysis), quantitative tumor growth modeling, intratumoral and intertumoral heterogeneity, mechanisms of treatment resistance, tumor evolution, tumor robustness, tumor complexity, tumor stem cells, interactions between tumor cells and the microenvironment, etc. To be clear, the book does touch on most of these topics, but it doesn't spend nearly enough time on them, whereas much of the discussion of molecular biology is excessively detailed, to the point of being harder to read than the typical cancer journal paper (of which I've read hundreds). Since I don't know of other introductory cancer biology books which are substantially better than this one, I've rated this book 4 stars and I suppose I can recommend it to people looking for such a book. However, I have to reiterate that I'm not really satisfied with this book and will continue to look for something closer to an ideal book on this topic.

Needed it for a class

This textbook for biology students offers a sound, thorough explanation of cancer processes, research, and molecular details. Great for those wanting to supplement their biology knowledge or for use as a classroom reader.

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