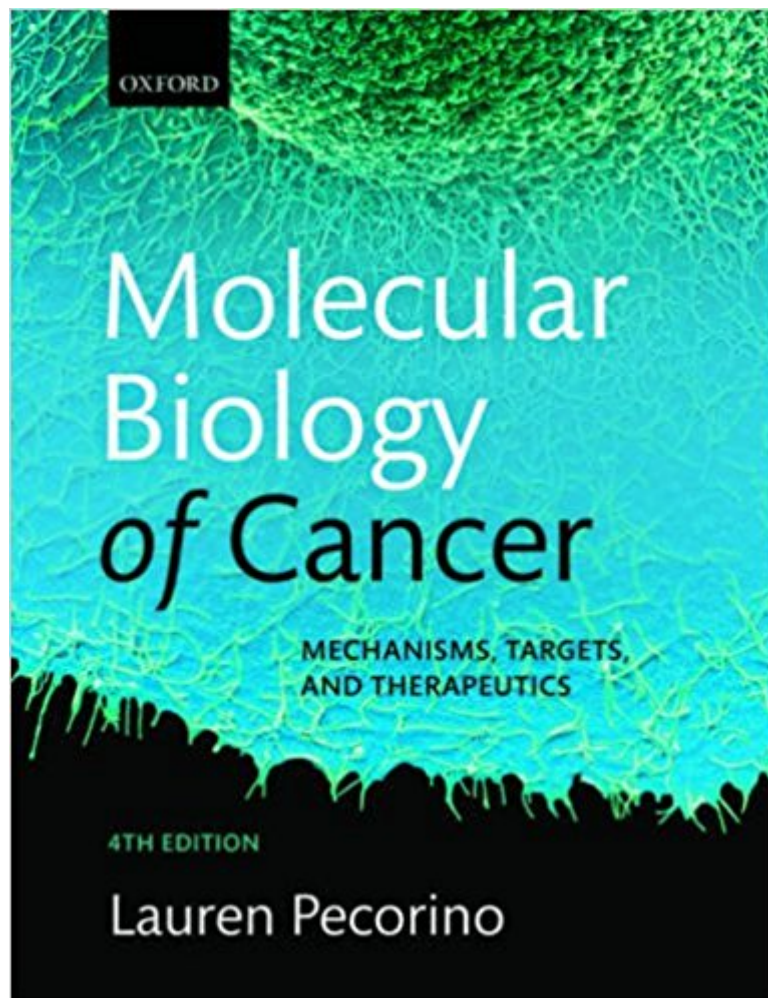




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Molecular Biology Of Cancer: Mechanisms, Targets, And Therapeutics



Synopsis

Molecular Biology of Cancer: Mechanisms, Targets, and Therapeutics offers an accessible, engaging, and optimistic account of cancer biology for undergraduate and graduate students. Drawing on the latest research in this dynamic field, author Lauren Pecorino makes cutting-edge science readily accessible. Using the hallmarks of cancer as a starting point, the text looks at the cellular and molecular mechanisms underpinning the transformation of cells into cancer cells. After discussing the theory, each chapter then demonstrates how this knowledge can be directly applied to the development of new targeted therapies, giving students a clear appreciation of how the theory translates to tackling the disease. Molecular Biology of Cancer, Fourth Edition, features a variety of pedagogical features--"Pause and think," "How do we know that?," self-tests, and activities--to help students engage with, and master, the concepts presented. It provides students with a solid understanding of the essentials and an appreciation of how a theoretical understanding can be transformed into therapeutic benefit. A Companion Website contains resources for instructors--downloadable figures from the book and a test bank of multiple-choice questions--and related web links for students.

Book Information

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Customer Reviews

"Dr Pecorino's monumental achievement highlights the most up-to-date and exciting discoveries ongoing in the molecular studies of cancer." --Professor David Lyden, Weill Cornell Medical College, Cornell University
Review from previous edition: "Pecorino gets the balance right between cell and molecular biology, focusing on mechanism rather than disease. Importantly the students like the text

and can afford to buy the book. Therefore it is a real support to our learning program and actually used by the students." --Dr Bernard Mahon, Biology Department/Institute of Immunology, National University of Ireland, Ireland

Review of previous edition: "The textbook is clearly written and the author does a great job of introducing some of the more fundamental concepts. The book is organized well and the topics flow smoothly and logically. The book also nicely pulls in current therapeutic approaches with the molecular lesions that are responsible for the generation of cancer." --Professor Deborah Vestal, Department of Biological Sciences, University of Toledo, USA

Review of previous edition: "I found this book very helpful in understanding this otherwise very difficult subject. I think this is the only book which has been written for the learners. The writing style, illustrations and the unique features like 'pause and think' are unprecedented and very helpful. Lauren Pecorino must be a very good teacher." --Dr Waqqar Ali, Registrar Radiation Oncology, Cork University Hospital

Review of previous edition: "Dr. Pecorino has done a fantastic job... The book's engaging writing-style and well thought out structure welcomes anyone with an interest in studying cancer in thorough, interesting detail. Reading this text was a pleasure, benefited me greatly educationally and made me feel like being a real part of the teaching - as though things were being explained to me in a one-on-one tutorial, an experience that most other medical textbooks don't provide!" --.co.uk reviewer

Lauren Pecorino is Principal Lecturer in Cancer Biology at the University of Greenwich.

The purpose of reading this book is to prepare me to read Weinberg's book - the Biology of Cancer (2nd ed). This is a much shorter book and may provide me with the introductory material that I need. Unfortunately, I was lost quickly after reading just a few chapters. Nevertheless, I proceeded to read Weinberg's book and found it much more understandable. Then, I came back and was able to read through this book. On the plus side, this book does contain the most up to date information (up to the publication date) and provides a lot of diagrams to help explanation. But here are some of my issues with the book:

1. This book assumes that you know a lot about molecular biology and does not explain the terms and notations used in the text and the diagrams. They are not self explanatory. E.g. you would have wonder why some of the symbols are italicized while some are not. It turns out that in general, only genes are italicized but protein names are not.
2. This book contains a lot of detail information probably taken from papers. I applaud the author's effort in condensing those details into a few paragraphs in English. However, it does not provide you with connecting principles. It is very difficult to remember the material from one page to the other.

Weinberg's book presents a much more coherent theme on each topic.³ This book presents information as if they are iron-clad facts. They are not and some of the details have changed already since the publication of the book. On the other hand, Weinberg's book constantly reminds readers that the contents of his book may just be speculation and may be substantially rewritten in the next decade as more information are uncovered. I gave it a three star because it is a decent book providing good information.

Excellent, relevant, up to date information on all things cancer. Easy and enjoyable to read. I'm finishing up a PSM in Biotechnology degree and am interning for a company researching and producing cancer vaccines. The updated section on immunotherapy was a great addition. Overall this book gives me the important information I need with references to other sources for further study.

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