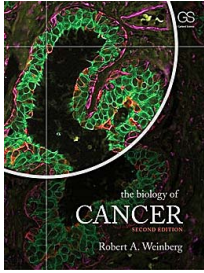


THE BIOLOGY OF CANCER

	Autor: Weinberg
	ISBN: 9780815342205
	Páginas: 960
	Año: 2013
	Edición: 2
	Idioma: Ingles
Disponible: De 2 a 3 Semanas	
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DESCRIPTION:

Thoroughly updated and incorporating the most important advances in the fast-growing field of cancer biology, The Biology of Cancer, Second Edition, maintains all of its hallmark features admired by students, instructors, researchers, and clinicians around the world.

The Biology of Cancer is a textbook for students studying the molecular and cellular bases of cancer at the undergraduate, graduate, and medical school levels. The principles of cancer biology are presented in an organized, cogent, and in-depth manner. The clarity of writing, supported by an extensive full-color art program and numerous pedagogical features, makes the book accessible and engaging. The information unfolds through the presentation of key experiments that give readers a sense of discovery and provide insights into the conceptual foundation underlying modern cancer biology.

The new Second Edition has been comprehensively revised and updated to include major advances in cancer biology over the past six years. Updates include current information on:

- The tumor microenvironment
- Metastatic dissemination
- Tumor immunology
- Cancer stem cells
- The epithelial-mesenchymal transition
- Multi-step tumorigenesis
- Invasion and metastasis
- Mutation of cancer cell genomes
- Greatly expanded treatment of traditional therapy
- Epigenetic contributions
- MicroRNA involvement
- The Warburg effect

Besides its value as a textbook, The Biology of Cancer is a useful reference for individuals working in biomedical laboratories and for clinical professionals.

Every copy of the book comes with an updated "Pathways in Human Cancer" poster and a DVD-ROM containing the book's art program, a selection of movies, audio file mini-lectures, Supplementary Sidebars, and a Media Guide.

Features:

- **CONCEPT HEADINGS-** These introduce each section of the text and help the student focus on, and review, key ideas.
- **SIDEBARS-** Contain additional information or anecdotes pertinent to the discussion that are set aside so as not to disrupt the logical flow of the main text.
- **SYNOPSIS AND PROSPECTS-** This section places the topic of that chapter into a larger perspective while providing summary, and a link to later chapters. In these sections the author speculates about future research.
- **KEY CONCEPTS-** A summary of the chapter's essential points, in list form, to aid in review.
- **THOUGHT QUESTIONS-** Designed to provide review, analysis and to provoke discussion.
- **REFERENCES-** An extensive list of pertinent articles and books for those who want to delve deeper into a topic.
- **LIST OF KEY TECHNIQUES-** The major techniques referred to throughout the text are indexed separately.
- **GLOSSARY-** Defines terms in bold and italics within the text.
- **LIST OF ACRONYMS AND ABBREVIATIONS-** A handy reference that helps readers navigate through the nomenclature of the primary research literature.

CONTENTS:

1. The Biology and Genetics of Cells and Organisms
2. The Nature of Cancer

3. Tumor Viruses
4. Cellular Oncogenes
5. Growth Factors, Receptors, and Cancer
6. Cytoplasmic Signaling Circuitry Programs Many of the Traits of Cancer
7. Tumor Suppressor Genes
8. pRb and Control of the Cell Cycle Clock
9. p53 and Apoptosis: Master Guardian and Executioner
10. Eternal Life: Cell Immortalization and Tumorigenesis
11. Multi-step Tumorigenesis
12. Maintenance of Genomic Integrity and the Development of Cancer
13. Dialogue Replaces Monologue: Heterotypic Interactions and the Biology of Angiogenesis
14. Moving Out: Invasion and Metastasis
15. Crowd Control: Tumor Immunology and Immunotherapy
16. The Rational Treatment of Cancer

Instructor Resources

- Figures in PowerPoint® and JPEG formats.
- Movies with narration cover selected topics.
- Audio files of mini-lectures by the author.
- "Pathways in Human Cancer" poster.
- Supplementary Sidebars.
- Media Guide.
- A Question Bank containing 10 to 15 questions for each chapter is available for instructors only.

For the art figures, movies, audio files, and Question Bank, verified instructors can visit the instructor resource page for *The Biology of Cancer, Second Edition*. Except for the Question Bank, these resources are also available on the DVD-ROM that accompanies the book.

Student Resources

- Figures in PowerPoint® and JPEG formats.
- Movies with narration cover selected topics.
- Audio files of mini-lectures by the author.
- Online flashcards and glossary.
- "Pathways in Human Cancer" poster.
- Supplementary Sidebars.
- Media Guide.

For the movies, audio files, and online flash cards and glossary, students can visit the student resource page for *The Biology of Cancer, Second Edition*. Except for the online flash card and glossary, these resources are also available on the DVD-ROM that accompanies the book.

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Dirección: Ald. Urquijo, 35 48010 Bilbao | Tlf.: 94 444 22 85 | Fax: 94 410 07 20 | libros@berri.es | www.berri.es