



CELL BIOLOGY

SECOND EDITION

By Thomas D. Pollard, MD, and William C. Earnshaw, PhD, FRSE,
with Jennifer Lippincott-Schwartz, PhD, and illustrations by Graham T. Johnson

A masterful introduction to the cell biology that you need to know!

- Covers essential concepts in an **efficient, reader-friendly manner**.
- **Makes cell biology easy to understand** by demonstrating how cellular structure, function, and dysfunction result from specific macromolecular interactions.
- **Progresses logically** from an explanation of the "hardware" of molecules and cells to an understanding of how these components function in the organism in both health and disease.
- **Helps you to visualize molecular structures and functions** with approximately 700 remarkable full-color illustrations that present physical structures to scale.
- **Explains how molecular and cellular structures evolved** in different organisms.
- **Shows how molecular changes lead to the development of diseases** through numerous Clinical Examples throughout.

"Each core concept in each chapter is not only set forth in confident and uncluttered prose, but also illustrated in an elegant and dynamic original figure . . . This book is really a tour de force. Somehow the authors are able to be concise without compromising readability or depth of explanation, and they make consistently interesting and often novel choices about what examples to present."

—Cell Biology Education, review of the first edition

This book comes with STUDENT CONSULT at no extra charge!

Register at www.studentconsult.com today . . . so you can learn and study more powerfully than ever before!

- Access the **complete contents of the book online**, anywhere you go . . . perform quick searches . . . and add your own notes and bookmarks.
- Follow **Integration Links** to related bonus content from other **STUDENT CONSULT** titles — to help you see the connections between diverse disciplines.
- Reference all other **STUDENT CONSULT** titles you own online, too — all in one place!

Look for the STUDENT CONSULT logo on your favorite Elsevier textbooks!

Recommended
Shelving
Classification
Cell Biology

SAUNDERS
ELSEVIER

www.elsevierhealth.com

STUDENT CONSULT

THE SMART WAY TO STUDY

www.studentconsult.com

ISBN 978-1-4160-2255-8



9 781416 022558 >