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- Publishes a broad range of topics associated with the translation of genotype to phenotype in a phylogenetic context

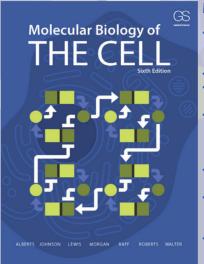
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# MOLECULAR BIOLOGY OF THE CELL SIXTH EDITION

Bruce Alberts, Alexander Johnson, Julian Lewis, David Morgan, Martin Raff, Keith Roberts, Peter Walter



### **MAJOR CHANGES INCLUDE:**

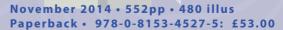
- Describes powerful new methods that scientists use to analyze genes and proteins, and to better visualize subcellular structures.
- Explains new functions discovered for RNA molecules.
- Includes the latest findings on the structure and function of the human genome.
- Emphasizes the need for mathematics to unravel the complexities of cell function, with a section added to Chapter 8: Analyzing Cells, Molecules, and Systems that is echoed throughout the book.
- Explains new insights on how low-complexity protein sequences help to organize the interior of cells.
- Focuses on the fundamental concepts in cellular signaling, with emphasis on key principles underlying the circuitry of signaling systems.
- Covers new insights into the causes, genetics, and treatments of cancer-including a discussion of personalized therapy—in a completely reorganized Chapter 20: Cancer.
- Adds new sections on timing, growth control, and morphogenesis to Chapter 21: Development of Multicellular Organisms.
- Features an extensively revised and expanded treatment of stem cell molecular biology and technology—including cloning, nuclear reprogramming, ES cells, and iPS cells.

December 2014 • 1,416pp • 1,550 illus Hardback • 978-0-8153-4432-2: £125.00 Paperback • 978-0-8153-4464-3: £75.00

## The Immune System, Fourth Edition

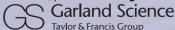
#### **Peter Parham**

The Immune System, Fourth Edition, emphasizes the human immune system and synthesizes immunological concepts into a coherent, up-to-date, and reader-friendly account of how the immune system works. Written for undergraduate, medical, veterinary, dental, and pharmacy students, it makes generous use of medical examples to illustrate points.





For more information, please contact garlanduk@tandf.co.uk



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