

《Molecular & Cell Biology For Dummies

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内容简介

Your hands-on study guide to the inner world of the cell

Need to get a handle on molecular and cell biology? This easy-to-understand guide explains the structure and function of the cell and how recombinant DNA technology is changing the face of science and medicine. You discover how fundamental principles and concepts relate to everyday life. Plus, you get plenty of study tips to improve your grades and score higher on exams!

Explore the world of the cell — take a tour inside the structure and function of cells and see how viruses attack and destroy them

Understand the stuff of life (molecules) — get up to speed on the structure of atoms, types of bonds, carbohydrates, proteins, DNA, RNA, and lipids

Watch as cells function and reproduce — see how cells communicate, obtain matter and energy, and copy themselves for growth, repair, and reproduction

Make sense of genetics — learn how parental cells organize their DNA during sexual reproduction and how scientists can predict inheritance patterns

Decode a cell's underlying programming — examine how DNA is read by cells, how it determines the traits of organisms, and how it's regulated by the cell

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作者简介

Ren é Fester Kratz, PhD, teaches cellular biology and microbiology. She is a member of the North Cascades and Olympic Science Partnership, where she helped create inquiry-based science courses for future teachers. Kratz is also the author of *Microbiology The Easy Way*.

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