

Illustrated Handbook of Cell Structure & Function

All living organisms are made up of cells and new cells are produced when live cells divide. The cell is the smallest unit of life in an organism. The cell lives and, as a result, the organism lives. Whatever an organism does for survival it does for the survival of its cells. Cell biology deals with the study of cells and how they function, from the subcellular processes which keep them functioning, to the way that cells interact with other cells. Whilst molecular biology concentrates largely on the molecules of life (largely the nucleic acids and proteins), cell biology concerns itself with how these molecules are used by the cell to survive, reproduce and carry out normal cell functions.

This Illustrated Handbook of Cell Structure & Function provides an introduction to biological structure and function at the cellular level. The book also narrates on the cell cycle process in which a cell grows and divides to create a copy of it. Some organisms reproduce exclusively through this process, while in complex multicellular life, it allows an organism to grow, and to replace cells as they become worn out.

Features:

- Provides an overview of the state of knowledge in the study of cellular structure and function.
- Features more than 300 full-color photographs - plus detailed descriptions on each topic.
- Concise, comprehensible structure of the text allows readers to navigate the content with affluence.
- Wide-ranging glossary of key terms provides readers with the precise facts they need to clarity.

This book is intended to provide you with an overview of how cells and their component parts are structured and interact to allow organisms to carry out their basic functions.



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