

Table of Contents

1. Introduction to Cell Signaling
2. Principles and Mechanisms of Protein Interactions
3. Signaling Enzymes and Their Allosteric Regulation
4. Role of Post-Translational Modifications in Signaling
5. Subcellular Localization of Signaling Molecules
6. Second Messengers: Small Signaling Mediators
7. Membranes, Lipids, and Enzymes That Modify Them
8. Information Transfer Across the Membrane
9. Regulated Protein Degradation
10. The Modular Architecture and Evolution of Signaling Proteins
11. Information Processing by Signaling Devices and Networks
12. How Cells Make Decisions
13. Methods for Studying Signaling Proteins and Networks

Glossary

Index