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| Nota di contenuto | Preface Introduction PART ONE Models: Explaining Development without the Help of Genes 1. Synthetic Biology and the Origin of Living Form 2. Morphology as a Science of Mechanical Forces 3. Untimely Births of a Mathematical Biology PART TWO Metaphors: Genes and Developmental Narratives 4. Genes, Gene Action, and Genetic Programs 5. Taming the Cybernetic Metaphor 6. Positioning Positional Information PART THREE Machines: Understanding Development with Computers, Recombinant DNA, and Molecular Imaging 7. The Visual Culture of Molecular Embryology 8. New Roles for Mathematical and Computational Modeling 9. Synthetic Biology Redux-Computer Simulation and Artificial Life Conclusion: Understanding Development Notes References Index |
| Sommario/riassunto | What do biologists want? How will we know when we have 'made sense' of life? Explanations in the biological sciences are provisional and partial, judged by criteria as heterogenous as their subject matter. This text accounts for this diversity. |