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Sommario/riassunto	Signal transduction across biological membranes is crucial in enabling cells to recognize and respond to their environment. Over the past ten years, investigators working in prokaryotic molecular biology have identified a number of two-component genetic switches which mediate bacterial signal transduction for essential metabolic and developmental functions and numerous other cellular activities, including regulation of virulence factors in pathogenic bacteria. Edited and written by leading scientists, this book is the first comprehensive reference/text to cover the molecular and cellular biology of a wide variety of two-component signal transduction systems in bacteria. It will prove to be essential for microbiologists working in the areas of gene expression, pathogenesis, and bacterial metabolism, as well as for researchers studying antibiotic resistance and rational drug design.