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Nota di contenuto	Contents; List of Figures and Tables; 1. Introduction: Starting with Neuroscience; 2. Explanation and Causal Relevance; 3. Causal Relevance and Manipulation; 4. The Norms of Mechanistic Explanation; 5. A Field-Guide to Levels; 6. Nonfundamental Explanation; 7. The Mosaic Unity of Neuroscience; Bibliography; Index
Sommario/riassunto	What distinguishes good explanations in neuroscience from bad? Carl F. Craver constructs and defends standards for evaluating neuroscientific explanations that are grounded in a systematic view of what neuroscientific explanations are: descriptions of multilevel mechanisms. In developing this approach, he draws on a wide range of examples in the history of neuroscience (e.g. Hodgkin and Huxleys model of the action potential and LTP as a putative explanation for different kinds of memory), as well as recent philosophical work on the nature of scientific explanation. Readers in neuroscience, psyc