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Descrizione fisica	1 online resource (219 p.)
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Sequence alignments and database searches -- Family-domain databases -- Getting started: modeling -- Modeling metabolism -- Cell cycle -- Calcium dynamics -- Advanced computing.
Sommario/riassunto	A step-by-step guide to using computational tools to solve problems in cell biology Combining expert discussion with examples that can be reproduced by the reader, A Cell Biologist's Guide to Modeling and Bioinformatics introduces an array of informatics tools that are available for analyzing biological data and modeling cellular processes. You learn to fully leverage public databases and create your own computational models. All that you need is a working knowledge of algebra and cellular biology; the author provides all the other tools you need to understand the necessary statistica