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Altri autori (Persone)	ChenJake SidhuAmandeep S
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Nota di contenuto	Introduction to data modeling / Amandeep S. Sidhu, Jake Chen -- Public biological database for -omics studies in medicine / Viroj Wiwanitkit -- Modeling biomedical data / Ramez Elmasri, Feng Ji, and Jack Fu -- Fundamentals of gene ontology / Viroj Wiwanitkit -- Protein Ontology / Amandeep S. Sidhu, Tharam S. Dillon, and Elizabeth Chang -- Information quality management challenges for high-throughput data / Cornelia Hedeler and Paolo Missier -- Data management for fungal genomics: an experience report / Greg Butler [and others] -- Microarray data management: an enterprise information approach / Wily A. Valdivia-Granda, Christopher Dwan -- Data mangament in expression-based proteomics / Zhong Yan [and others] -- Model-driven drug discovery: principles and practices / Karthik Raman, Yeturu Kalidas, and Nagasuma Chandra -- Information mangament and interaction in high-throughput screening for drug discovery / Preeti Malik [and others].
Sommario/riassunto	Modern biological research in areas like drug discovery produces a staggering volume of data, and the right modeling tools can help scientists apply it in ways never before imaginable. This collection of next-generation biodata modeling techniques combines innovative

concepts, methods, and applications with case studies in genome, microarray, proteomics, and drug discovery projects that helps bioinformatics professionals develop ever-more powerful data management systems in any domain.
