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| Descrizione fisica      | 1 online resource (274 pages)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Collana                 | Translational Epigenetics Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Disciplina              | 572.865                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Soggetti                | Epigenetics<br>Epigenomics<br>Systems Biology<br>Epigenesis, Genetic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Lingua di pubblicazione | Inglese                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Formato                 | Materiale a stampa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Livello bibliografico   | Monografia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Nota di bibliografia    | Includes bibliographical references at the end of each chapters and index.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Nota di contenuto       | Computational identification of polycomb/trithorax response elements / Marc Rehmsmeier -- Modeling chromatin states / Marc Corrales and Guillaume J. Filion -- Crossing borders / Benjamin L. Moore and Colin A. Semple -- Inferring chromatin signaling from genome-wide ChIP-seq data / Juliane Perner and Ho-Ryun Chung -- "In vivo biochemistry" / Leonie Ringrose -- Modeling distributive histone modification by Dot1 methyltransferases / Dirk De Vos, Hanneke Vlaming, Barbara M. Bakker and Fred van Leeuwen -- Modeling bistable chromatin states / Ian B. Dodd and Kim Sneppen -- Quantitative environmentally triggered switching between stable epigenetic states / Rea Antoniou-Kourounioti and Martin Howard -- On the nature of chromatin 3d organization / Mario Nicodemi and Ana Pombo -- From chromosome conformation capture to polymer physics and back / Guido Tiana, Edith Heard and Luca Giorgetti -- A combination approach based on live-cell imaging and computational modeling to further our understanding of chromatin, epigenetics, and the genome / Kayo Hibino, Kazunari Kaizu, Koichi Takahashi and Kazuhiro Maeshima -- Capturing chromosome structural properties from their spatial and temporal fluctuations / Aurelien Bancaud, Olivier Gadal and Kerstin Bystricky. |

