

1. Record Nr.	UNINA9910985677503321
Autore	Srivastava Ruby
Titolo	Artificial Intelligence Multiomics in Precision Oncology
Pubbl/distr/stampa	Newcastle-upon-Tyne : , : Cambridge Scholars Publishing, , 2023 ©2023
ISBN	9781527500891 9781443895200
Edizione	[1st ed.]
Descrizione fisica	1 online resource (517 pages)
Disciplina	616.9940028563
Soggetti	Artificial intelligence Precision medicine
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Intro -- Dedication -- Table of Contents -- Preface -- Acknowledgements -- Chapter 1 -- Chapter 2 -- Chapter 3 -- Chapter 4 -- Chapter 5 -- Chapter 6 -- Chapter 7 -- Chapter 8 -- Chapter 9 -- Chapter 10 -- Chapter 11 -- Chapter 12 -- Chapter 13.
Sommario/riassunto	Advances in next-generation technology (NGS) coupled with a deep understanding of cancer biology have promoted the rational design of target therapy towards precision oncology. Artificial Intelligence (AI)-integrated machine learning techniques are also increasingly used today to tackle the challenges of scalability and high dimensionality data and to transform multiomics data into clinically actionable knowledge. AI tools are used to support clinical decision making and improve clinical efficiency, while delivering safe and high value care. This book provides comprehensive analysis of such techniques and advancements of AI-based clinical cancer research in the improvement of cancer prognosis and diagnosis, resulting in enhanced prediction rates and survival of cancer patients.