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Titolo	Heart Genomics // edited by Hong Jiang, Ming Liu
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ISBN	981-13-1429-2
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (375 pages)
Collana	Translational Bioinformatics, , 2213-2775 ; ; 16
Disciplina	616.12042
Soggetti	Human genetics Molecular biology Cardiology Human Genetics Molecular Medicine
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Genome-wide association studies of hypertension and several other cardiovascular diseases -- Cardiac transcriptome profile in heart diseases -- The Emerging Role of Epigenetics -- Mitochondria Genome Mutations and Cardiovascular Diseases -- GATA Transcription Factors and Cardiovascular Disease -- The Genetic Paradigm of WT1 Gene in Heart Development and Cardiac Repair -- Progress of genomics in hypertension-cardiac hypertrophy -- Progress of genomics in atherosclerosis-coronary heart disease and myocardial infarction -- Progress of genomics in cardiac conduction and rhythm disorders -- Progress of epigenetic changes in heart failure -- Progress of genetics in inherited cardiomyopathies-induced heart failure -- Warfarin and its pharmacogenomic study -- Gene therapy and genomic application in heart disease.
Sommario/riassunto	This book elucidates how advances in genomics research are being applied in connection with heart diseases. It describes the development of genome-scale technologies and their applications to all areas of cardiac investigations, such as genomics, functional genomics, epigenomics, etc., and how they relate to a series of important breakthroughs in various heart diseases. Applying unbiased genomics, combined with a disease-focused and hypothesis-driven approach,

represents a promising way to advance our understanding of cardiac diseases. The book offers an important reference work on introducing genomics in heart disease for all scientists and graduate students whose work involves genomics and cardiology, as well as for clinical physicians.
