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	Titolo	Genetic Causes of Cardiac Disease / / edited by Jeanette Erdmann, Alessandra Moretti
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
	ISBN	3-030-27371-7
	Edizione	[1st ed. 2019.]
	Descrizione fisica	1 online resource (407 pages) : illustrations
	Collana	Cardiac and Vascular Biology, , 2509-7830 ; ; 7
	Disciplina	616.12042
	Soggetti	Human physiology
		Human genetics
		Cardiology
		Animal models in research
		Human Physiology
		Human Genetics
		Animal Models
		Malalties cardiovasculars
		Llibres electrònics
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di contenuto	Genetics of adult and fetal forms of Long QT Syndrome -- The genetic landscape of cardiomyopathies. Genetic basis of mitochondrial cardiomyopathy -- The Genetics of Coronary Heart Disease -- Complex genetics and the etiology of human congenital heart disease-Familial Hypercholesterolemia -- Long non-codingRNAs in cardiovascular disease -- Mouse models to study inherited cardiomyopathy -- Interrogating cardiovascular genetics in zebrafish -- Human induced pluripotent stem cells as a platform for functional examination of cardiovascular genetics in a dish -- Systems medicine as a transforming tool for cardiovascular genetics -- Sex differences in prevalent cardiovascular disease in the general population.
	Sommario/riassunto	This book provides a comprehensive summary of the latest developments in the field of the genomics of cardiac disease. Written and edited by leading clinicians and scientists involved in the analysis

and therapy of genetic cardiac disorders, it discusses the genetic causes of a variety of cardiac diseases, such as the complex genetics and etiology of congenital heart diseases. It also explores sex differences in prevalent diseases, genetics-based therapeutic strategies and the use of various animal models and alternatives. The book is intended for research scientists and clinical scientists in the cardiovascular field, human geneticists and cardiologists.