

1. Record Nr.	UNINA9910149708703321
Autore	Smith Moyra
Titolo	Unravelling complexities in genetics and genomics : impact on diagnosis counseling and management // Moyra Smith
Pubbl/distr/stampa	New Jersey : , : World Scientific, , [2017] ©2017
ISBN	981-4759-47-3
Descrizione fisica	1 online resource (430 pages) : color illustrations
Disciplina	572.8/6
Soggetti	Genomics Genetic counseling Disease management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from PDF file title page (viewed October 10, 2016).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Expanding insights into genes and expression -- Genomic integrity and relevance to disease -- Epigenetics and epigenomics -- Proteins, proteomics, protein folding and proteostasis -- Genotype-phenotype correlations and complexities -- Immune system -- Lipids, atherosclerosis, metabolic syndromes and diabetes -- Early-onset neurocognitive and neurobehavioral disorders -- Integrating advances in neurobiology and genetics into psychiatry -- Neurodegenerative diseases -- Cancer.
Sommario/riassunto	"Reviews recent advances in defining genetic and genomic factors that play important roles in diseases in humans. It includes discussions on new technologies in DNA and RNA sequencing, genome analysis, and bioinformatics applied to the study of patients with specific disorders and to normal populations, and illustrates how modern molecular techniques can improve diagnoses and enable the design of specific targeted therapies and methods of prevention. Additional emphasis is placed on the genetic variants and genomic risk factors related to the development of complex common disorders, including neurobehavioral and neurocognitive disorders in children and adults and late onset disorders in adults, including atherosclerosis, type 2 diabetes, cancer, and neurodegenerative disorders."--Publisher's website.

