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Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (824 p.)
Disciplina	615.1
Soggetti	Medicine Human genetics Metabolism Biomedicine, general Human Genetics Metabolomics
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Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Pharmaco-Geno-Proteo-Metabolomics and Personalized Medicine-An overview -- Personalized genome, current status and the future of pharmacogenomics -- Next generation sequencing (NGS): a revolutionary technology in pharmacogenomics and personalized medicine -- Pharmaco-epigenomics -- Personalized nutrition and drug-nutrient interactions -- Designing and Implementing Pharmacogenomics Study -- Omics approaches and applications in Clinical Trials -- Ethical Considerations in Pharmacogenomics -- Computational Pharmacogenomics -- Pharmacogenomics in the era of personal genomics: a quick guide to online resources and tools -- Pharmacogenomics and Personalized Medicine for Cancer -- Pharmacogenomics in acute myeloid leukemia -- Pharmacogenomics of autoimmune diseases -- Pharmacogenomics and personalized medicine in Parkinsonism -- Pharmacogenomics and personalized medicine in Alzheimer's disease -- Pharmacogenomics and Personalized Medicine in Mood Disorders -- Pharmacogenetics of opioid and alcohol addiction -- Neurogenetics and Nutrigenomics of Reward Deficiency Syndrome (RDS): Stratification of Addiction Risk and

Mesolimbic Nutrigenomic Manipulation of Hypodopaminergic Function
-- Pharmacogenomics of analgesics -- Cardiovascular Disease
Pharmacogenomics -- Pharmacogenetics of Oral Anticoagulants --
Pharmacogenomics and personalized medicine of the antiplatelet drugs
-- Pharmacogenomics of pulmonary and respiratory diseases --
Pharmacogenomics of Allergy and asthma -- Pharmacogenomics in
Type 2 Diabetes mellitus and metabolic disorders --
Pharmacogenomics and Gut microbiota biomarkers in Obesity --
Pharmacogenomics and Personalized Medicine for Infectious Diseases
-- Pharmacogenomics of Viral diseases -- Pharmacogenomics of
osteoporosis-related bone fractures -- Pharmacogenomics of
Gynaecological disorders -- Pharmacogenomics and Personalized
medicine in Infertility -- Pharmacogenomics in Ophthalmology --
Personalized medicine in Cell Therapy and Transplantation --
Pharmacogenetics and pharmacogenomics of Chronic Kidney Disease
comorbidities and Kidney transplantation.

Sommario/riassunto

“Omics for Personalized Medicine” will give to its prospective readers the insight of both the current developments and the future potential of personalized medicine. The book brings into light how the pharmacogenomics and omics technologies are bringing a revolution in transforming the medicine and the health care sector for the better. Students of biomedical research and medicine along with medical professionals will benefit tremendously from the book by gaining from the diverse fields of knowledge of new age personalized medicine presented in the highly detailed chapters of the book. The book chapters are divided into two sections for convenient reading with the first section covering the general aspects of pharmacogenomic technology that includes latest research and development in omics technologies. The first section also highlights the role of omics in modern clinical trials and even discusses the ethical consideration in pharmacogenomics. The second section is focusing on the development of personalized medicine in several areas of human health. The topics covered range from metabolic and neurological disorders to non-communicable as well as infectious diseases, and even explores the role of pharmacogenomics in cell therapy and transplantation technology. Thirty-four chapters of the book cover several aspects of pharmacogenomics and personalized medicine and have taken into consideration the varied interest of the readers from different fields of biomedical research and medicine. Advent of pharmacogenomics is the future of modern medicine, which has resulted from culmination of decades of research and now is showing the way forward. The book is an honest endeavour of researchers from all over the world to disseminate the latest knowledge and knowhow in personalized medicine to the community health researchers in particular and the educated public in general.
