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Titolo	Mitochondria: The Anti- cancer Target for the Third Millennium // edited by Jiri Neuzil, Shazib Pervaiz, Simone Fulda
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ISBN	94-017-8984-3
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (387 p.)
Disciplina	616.994061
Soggetti	Cancer - Research Oncology Medicine Cancer Research Biomedicine, general
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Preface -- Mitochondrion: A novel center for cancer cell signalling -- Exploiting BH3 mimetics for cancer therapy -- Regulation of mitochondrial function by MicroRNA -- Mitochondrial complex II as a target for anti-cancer drugs -- Exploiting celecoxib in cancer therapy -- Activation of mitochondria-driven pathways by artemisinin and its derivatives -- Vitamin E analogues as prototypic mitochondria-targeting anti-cancer agents -- Targeting mitochondria of cancer cells: Mechanism and compounds -- Targets and strategies for the mitochondrial assault on cancer -- Emerging anti-cancer targets in mitochondria -- Relevance of mitochondrial functions and plasticity in tumor biology -- Crosstalk between p53 and mitochondrial metabolism -- Progression of cardiomyopathy in Friedreich's ataxia, a mitochondrial disease -- Index.
Sommario/riassunto	Mitochondria: The anti-cancer target for the third millennium is a collection of up-to-date contributions investigating the role of these organelles in human pathology, in particular cancer. Written by experts in the area of mitochondrial research, this book covers topics ranging from the basic science of the role of mitochondria in cellular

homeostasis to more focused topics on the interaction with drugs, emerging targets in pathology and platforms for the development of novel drugs. The book will appeal to researchers interested in the role of mitochondria in pathology and in the latest discoveries in this area of research.
