

1. Record Nr.	UNINA9910140908703321
Titolo	Metabolic syndrome [[electronic resource]] : underlying mechanisms and drug therapies // edited by Minghan Wang
Pubbl/distr/stampa	Hoboken, N.J., : John Wiley & Sons, c2011
ISBN	0-470-92271-0 1-282-88898-6 9786612888984 0-470-91001-1 0-470-91000-3
Descrizione fisica	1 online resource (510 p.)
Altri autori (Persone)	WangMinghan <1966->
Disciplina	616.3/99
Soggetti	Metabolic syndrome - Pathophysiology Metabolic syndrome - Chemotherapy
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 and index.
Nota di contenuto	Gut as an endocrine organ : the role of nutrient-sensing in energy metabolism / Minghan Wang -- Central glucose sensing and control of food intake and energy homeostasis / Lourdes Mounien and Bernard Thorens -- Abnormalities in insulin secretion in type 2 diabetes mellitus / Taly Meas and Pierre-Jean Guillausseau -- Adipokine production by adipose tissue : a novel target for treating metabolic syndrome and its sequelae / Vanessa DeClercq ... [et al.] -- Hepatic metabolic dysfunctions in type 2 diabetes : insulin resistance and impaired glucose production and lipid synthesis / Ruoqing Yang -- Energy metabolism in skeletal muscle and its link to insulin resistance / Minghan Wang -- Mechanisms and complications of metabolic syndrome / Minghan Wang -- Emerging therapeutic approaches for dyslipidemia associated with high LDL and low HDL / Margrit Schwarz and Jae B. Kim -- Mechanism of action of niacin : implications for atherosclerosis and drug discovery / Devan Marar ... [et al.] -- Current anti-diabetic therapies and mechanisms / Minghan Wang -- GLP-1 biology, signaling mechanisms, physiology, and clinical studies / Remy Burcelin ... [et al.] -- Dipeptidyl peptidase IV inhibitors for treatment of

diabetes / McIntosh, C.H.S. ... [et al.] -- Sodium glucose co-transporter 2 inhibitors / Margaret Ryan and Serge A. Jabbour -- Fibroblast growth factor 21 as a novel metabolic regulator / Radmila Micanovic, James D. Dunbar, and Alexei Kharitonov -- Sirtuins as potential drug targets for metabolic diseases / Qiang Tong -- 11-hydroxysteroid dehydrogenase type 1 as a therapeutic target for type 2 diabetes / Clarence Hale and David J. St. Jean, Jr -- Monoclonal antibodies for the treatment of type 2 diabetes : a case study with glucagon receptor blockade / Hai Yan, Wei Gu, and Murielle Veniant-Ellison -- Drug development for metabolic diseases: past, present and future / Minghan Wang.

Sommario/riassunto

This book provides a comprehensive overview of the development of metabolic syndrome, the underlying mechanisms and therapeutic strategies for drug development. The authors examine the context of underlying molecular pathways and integrated physiology, then expanding the discussion to diseases associated with metabolic syndrome. The development of drug therapies for these diseases and complications is extensively covered. The book offers a comprehensive and in-depth view of energy metabolism, metabolic tissues and pathways, molecular mechanism-based drug discovery and clinical implications.
