

1. Record Nr.	UNINA9910131618203321
Titolo	The functions, disease-related dysfunctions, and therapeutic targeting of neuronal mitochondria / / edited by Valentin K. Gribkoff, Elizabeth A. Jonas, J. Marie Hardwick ; contributors, Kambiz N. Alavian [and forty six others]
Pubbl/distr/stampa	[Place of publication not identified] : , : Wiley, , 2015 ©2015
ISBN	1-119-01710-6 1-119-01712-2 1-119-01672-X
Descrizione fisica	1 online resource (526 p.)
Collana	Wiley Series on Neuropharmacology
Disciplina	572.869
Soggetti	Mitochondrial pathology Mitochondria - Formation Nervous system - Diseases - Treatment
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	Mitochondrial permeability transition : look from a different angle / N. Brustovetsky -- The mitochondrial permeability transition pore, the c-subunit of the F1Fo ATP synthase, cellular development and synaptic efficiency / E.A. Jonas, G.A. Porter, Jr., G. Beutner, N. Mnatsakanyan and K.A. Alavian -- Mitochondrial channels in neurodegeneration / P.M. Peixoto, K.W. Kinnally and Evgeny Pavlov -- Mitochondrial Ca ²⁺ transport in the control of neuronal functions : molecular and cellular mechanisms / Y.M. Usachev -- AMP-activated protein kinase (AMPK) as a cellular energy sensor and therapeutic target for neuroprotection / P. Weisova, S. Pfeiffer and J.H.M. Prehn -- HDAC6 : a molecule with multiple functions in neurodegenerative diseases / Y. Yan and R. Jiao -- Neuronal mitochondrial transport / A.L. Knight, Y. Chen, T. Sun and Z.-H. Sheng -- Mitochondria in control of hypothalamic metabolic circuits / C.M. Nasrallah and T.L. Horvath -- Mitochondria anchored at the synapse / G.A. Spirou, D. Jackson and G.A. Perkins -- Neuronal

mitochondria are different : relevance to neurodegenerative disease / S. B. Berman and J.M. Hardwick -- PINK1 as a sensor for mitochondrial function : dual roles / E.K. Steer, M.K. Dail and C.T. Chu -- A get-together to tear it apart : the mitochondrion meets the cellular turnover machinery / G.-L. McLelland and E.A. Fon -- Mitochondrial involvement in neurodegenerative dementia / L. Bonanni, V. Frazzini, A. Thomas and M. Onofri -- Neuronal mitochondria as a target for the discovery and development of new therapeutics / V.K. Gribkoff -- Mitochondria as a therapeutic target for Alzheimer's disease / C.H.-L. Hung, S.S.-Y. Chung, S.M.-Y. Lee and R.C.-C. Chang -- Mitochondria in Parkinson disease / G. Arena and E.M. Valente -- Therapeutic targeting of neuronal mitochondria in brain injury / H.M. Yonutas, E.D. Hall and P.G. Sullivan -- The use of fibroblasts from patients with inherited mitochondrial disorders for pathomechanistic studies and evaluation of therapies / D. Soiferman and A. Saada.
