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Descrizione fisica	1 online resource (xi, 363 pages) : illustrations
Collana	Heat Shock Proteins, , 1877-1246 ; ; 18
Disciplina	572.6
Soggetti	Proteins Protein Science Proteïnes Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	SECTION I: BIOMOLECULAR ASPECTS OF HSP60 -- Chapter 1. HSP60: A Story as Long as Life on the Earth -- Chapter 2. Single-Ring Intermediates in the Catalytic Cycle of the Human Mitochondrial HSP60 -- Chapter 3. HSP60 Inhibitors and Modulators -- Chapter 4. HSP60 as Modulators of Apoptosis -- Chapter 5. Utilizing The Unique Architecture And Abilities of Hsp60 In Drug Development -- Chapter 6. Role of The Post-Translational Modifications of HSP60 In Disease -- SECTION II: HSP60 AND CANCER -- Chapter 7. Evaluation of Heat Shock Protein 60 (HSP60) Chaperonin in Oncology -- Chapter 8. Exosomal Hsp60: a Tumor Biomarker? -- Chapter 9. HSP60 in Cancer Immunity: Biological Basis, Diagnostic Potential and Therapeutic Opportunities -- Chapter 10. Hsp60 Involvement During Carcinogenesis -- SECTION III: HSP60 AND INFLAMMATORY DISEASES AND DISORDERS -- Chapter 11. Anti-Human Hsp60 Autoantibodies in Autoimmune and Inflammatory Rheumatic Diseases -- Chapter 12. Hsp60 In Inflammatory Disorders -- SECTION IV: HSP60 AND CARDIOVASCULAR DISEASES AND DISORDERS -- Chapter 13. HSP60 In Atherosclerosis - Past, Present and Future -- Chapter 14. Cardiac Myopathy In Conditional HSP60 Transgenic Mice -- SECTION V: HSP60 AND NEUROLOGICAL AND NEUROSCIENCES -- Chapter 15. Heat Shock Protein 60: An Effective

Target Candidate In Neurological Diseases Treatment -- Chapter 16. Hsp60 In Modifications of Nervous System Homeostasis and Neurodegeneration -- SECTION VI: HSP60 AND SKELETAL MUSCLE DISEASES AND DISORDERS -- Chapter 17. Hsp60 in Skeletal Muscle: From Molecular Anatomy To Pathophysiology -- Chapter 18. Heat Shock Protein 60 (HSP60): Its Role in Skeletal Muscle Diseases and Novel Prospects for Therapy -- Chapter 19. Heat Shock Protein 60 Regulation of Skeletal Tissue Integrity -- SECTION VII: HSP60 IN HUMAN HEALTH -- Chapter 20. Role of HSP60 In The Steroidogenesis and Reproduction -- Chapter 21. Heat Shock Protein 60 in Skin Diseases.

Sommario/riassunto

The book Heat Shock Protein 60 in Human Diseases and Disorders provides the most comprehensive review on contemporary knowledge on the role of HSP60 in human diseases and disorders. Using an integrative approach, the contributors provide a synopsis of novel mechanisms and signal transduction pathways. To enhance the ease of reading and comprehension the book has further been subdivided into various section including; Section I: Biomolecular Aspects of HSP60; Section II: HSP60 and Cancer; Section III: HSP60 and Inflammatory Diseases and Disorders; Section IV: HSP60 and Cardiovascular Diseases and Disorders; Section V: HSP60 and Neurological and Neurosciences; Section VI: Biomolecular Aspects of HSP60; Section VII: HSP60 and Skeletal Muscle Diseases and Disorders; and Section VIII: HSP60 in Human Health. Key basic and clinical research laboratories from major universities, academic medical hospitals, biotechnology and pharmaceutical laboratories around the world have contributed chapters that review present research activity and importantly project the field into the future. The book is a must read for graduate students, medical students, basic science researchers and postdoctoral scholars in the fields of Translational Medicine, Clinical Research, Human Physiology, Biotechnology, Neurology & Neuroscience, Oncology, Cardiovascular Disease, Skeletal Muscle Diseases and Disorders, Cell & Molecular Medicine, Pharmaceutical Scientists and Researchers involved in Drug Discovery.
