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Nota di contenuto	Contributors -- Preface -- 1 HSP27 as a Therapeutic Target of Novel Inhibitors and Dietary Phytochemicals in Cancer -- 2 Heat Shock Protein 27 (HSP27, HSPB1) is Up-Regulated by Targeted Agents and Confers Resistance to Both Targeted Drugs and Chemotherapeutics -- 3 Heat Shock Proteins and Cancer: Plant Based Therapy -- 4 Chaperonotherapy for Alzheimer's Disease: Focusing on HSP60 -- 5 Secreted and Circulating Cell Stress Proteins in the Periodontal Diseases -- 6 The Role of Heat Shock Protein 70 in Infection and Immunity -- 7 Potential Cytoprotective Effects of Heat Shock Proteins to Skeletal Muscle -- 8 Heat Shock Proteins in Triple-Negative Breast Cancer (TNBC) Treatment -- 9 Heat Shock Proteins in Multiple Sclerosis Pathogenesis: Friend or Foe? -- 10 New Indications for HSP90 and HSP70 Inhibitors as Antiviral Drugs -- 11 Potential Applications of Nanoparticles for Hyperthermia -- 12 Gene Therapy Against HSP90: Glucocorticoid Receptor-Assisted Cancer Treatment -- 13 Potential of HSP90 Inhibitors to Treat Neurofibromatosis-Related Tumors -- 14 Role of Heat Shock Protein 90 in the Cause of Various Diseases: A

Potential Therapeutic Target -- 15 HSP90 Inhibitor-Based Strategies for Cancer Therapy: Advancing Toward Clinical Impact -- 16 Molecular Survival Strategies of Organisms: HSP and Small Molecules for Diagnostics and Drug Development.-17 Targeting Heat Shock Proteins in Colorectal Cancer -- Index.

Sommario/riassunto

The book Heat Shock Protein-Based Therapies provides the most up-to-date review on new heat shock protein-based mechanisms used in the therapy and treatment of various human disorders and diseases, including cancer, muscular atrophy, neurodegenerative disorders (Alzheimer's Disease, Multiple Sclerosis) and infectious diseases (HIV, periodontal disease). Written by leaders in the field of heat shock protein research, the chapters systematically and in a step wise fashion takes the reader through the fascinating sequence of events by which mechanisms dependent on heat shock proteins are targeted. The chapters also provide answers as to HSP biological significance to the host. This book is a must read for graduate and postgraduates in the field of Drug Development, Biotechnology, Pharmaceutical Industry, Phytomedicine, Biology (plant and mammal), Biochemistry (pro- and eukaryotic), Oncology, Immunology, Microbiology, Exercise Medicine, Physiology, Inflammatory diseases, Autoimmunity, Pharmacology and Pathology.
