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Nota di contenuto	Molecular Chaperones and the Nuclear Response to Stress -- Extracellular Hsp70 and Low-grade Inflammation- and Stress-related Pathologies -- Heat Shock Proteins and Endoplasmic Reticulum Stress -- Features of Stress-induced Changes of HSP70 Expression in Populations of Immunocompetent Cells -- Relationship between Oxidative Stress-induced Effects and Physical Exercise -- Role of Heat Shock Proteins in Oxidative Stress and Stress Tolerance -- Heat Shock Proteins in Oxidative and Nitrosative Stress -- High Content Screening of Small Molecule Modulators Targeting Heat Shock Response Pathway -- Regulation of Autophagy by the Heat Shock Factor 1-mediated Stress Response Pathway -- Involvement of Heat Shock Proteins in Invertebrate Anhydrobiosis -- Molecular Stress Responses against Trace Metal Contamination in Aquatic Invertebrates -- Heat Shock-induced Transcriptional and Translational Arrest in Mammalian Cells -- HSP70 Mediated Stress Modulation in Plants -- Small Heat Shock Proteins in Stress Response of Higher Eukaryotes.
Sommario/riassunto	The book Heat Shock Proteins and Stress provides the most comprehensive review on contemporary knowledge on the role of HSP in Stress. Using an integrative approach to understanding the regulation of HSP responses, the contributors provide a synopsis of novel mechanisms by which HSP responses are regulated under normal physiological and pathophysiological conditions. Key basic and clinical

research laboratories from major universities and academic medical hospitals around the world contribute chapters that review present research activity and importantly project the field into the future. The book is a must read for researchers, postdoctoral fellows and graduate students in the fields of Translational Medicine, Clinical Psychologists, Human Physiology, Zoologists, Botanists, Biotechnology, Molecular Medicine, Infectious Diseases Experts and Pathologists.