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Titolo	microRNA: Medical Evidence : From Molecular Biology to Clinical Practice / / edited by Gaetano Santulli
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Collana	Advances in Experimental Medicine and Biology, , 2214-8019 ; ; 888
Disciplina	572.88
Soggetti	Medicine—Research Biology—Research Cytology Atomic structure Molecular structure Biochemistry Human physiology Biomedical Research Cell Biology Atomic and Molecular Structure and Properties Chemical Biology Human Physiology
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	-- 1) microRNA and personalized medicine -- 2) microRNA and chronic pain -- 3) microRNA and multiple sclerosis -- 4) microRNA and epilepsy -- 5) microRNA and autism -- 6) microRNAs and fragile X syndrome -- 7) microRNAs and neurodegenerative disorders -- 8) microRNA and metabolism: focus on mitochondria -- 9) microRNA in cerebrovascular diseases -- 10) microRNA and cardiac regeneration -- 11) microRNA and arterial -- 12) microRNA and pulmonary hypertension . - 13) microRNA and diabetic kidney disease -- 14) MicroRNA and kidney transplantation -- 15) microRNA and wound healing -- 16) microRNA in dermatology -- 17) microRNA and allergy

-- 18) Endometriosis -- 19) microRNA role in human -- 20) microRNA and hepatitis B -- 21) BIO microRNA and aging -- 22) microRNA and doping -- 23) microRNA profiling.

Sommario/riassunto

This volume explores microRNA function in a wide array of human disorders, providing a clinical basis for precision medicine and personalized therapies using these molecules. The twenty-one chapters, all authored by internationally-renowned experts, open with an introduction contextualizing microRNA manipulation within today's initiatives towards precision medicine. The following chapters explore the clinical role of microRNAs in the diagnosis and treatment of metabolic and cardiovascular disorders, focusing on mitochondrial fitness, arterial hypertension, cardiovascular remodeling, cerebrovascular disease, pulmonary hypertension, diabetic kidney disease, and kidney transplantation. The subsequent chapters discuss the importance of microRNAs in the wound healing process and in skin disease, in the pathogenesis of allergy, in human ovulation, and in infection. The book concludes with chapters which outline the emerging role of microRNAS in doping and detail microRNA profiling. microRNA: Medical Evidence is an ideal companion to both microRNA: Basic Science and microRNA: Cancer. Taken together, these three books provide a state-of-the-art overview of this rapidly-expanding and fascinating field, from the molecular level to clinical practice. It will be invaluable to medical students, physicians, and researchers, as a complete and unique guide in the exploration of microRNA in basic science, cancer and clinical practice.