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Titolo	Epigenetics in Allergy and Autoimmunity [[electronic resource] /] / edited by Christopher Chang, Qianjin Lu
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Descrizione fisica	1 online resource (408 pages)
Collana	Advances in Experimental Medicine and Biology, , 0065-2598 ; ; 1253
Disciplina	572.865
Soggetti	Immunology Posttranslational modification Rheumatology Allergy Posttranslational Modification Allergology Epigenetica Al·lèrgia Sistema immunitari Llibres electrònics
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Epigenetics in health and disease -- The development of epigenetics in the study of disease pathogenesis -- Epigenetic methods and twin studies -- The role of genetics, the environment and epigenetics in atopic dermatitis -- The epigenetics of food allergy -- Epigenetics and the Environment in allergy and asthma: asthma and allergic rhinitis -- Epigenetics of lupus erythematosus -- Epigenetics of psoriasis -- The role of epigenetics in type 1 diabetes -- Epigenetics of Primary Biliary Cholangitis -- Epigenetics in primary Sjogren's syndrome -- Epigenetics in Multiple Sclerosis -- The epigenetic regulation of Scleroderma and its clinical application.
Sommario/riassunto	This book will address the growing roles of epigenetics in disease pathogenesis, and review the contribution of epigenetic modifications to disease onset and progression. The roles that epigenetics plays in

facilitating effects of the environment on allergy and immunologic diseases will be reviewed. The book is divided into three parts – the first is an introduction to epigenetics and the methods that have been developed to study epigenetics, the second addresses epigenetics in allergic diseases and the third part will cover epigenetics in autoimmune diseases. With the rapid expansion of knowledge of how genes are regulated and how this regulation affects disease phenotypes, this book will be attractive to experienced researchers as well as those just launching an epigenetics research program. It will also be of interest to allergist, immunologists, rheumatologists and dermatologist who are engaged in clinical practice as a resource for understanding the basis for personalized and precision medicine. For example, the role that epigenetics plays in the pathogenesis in various allergic and autoimmune disorders and how this determines disease phenotypes will be covered extensively in this book. This book will thus help fill the gap in available resources on epigenetics in allergy and autoimmune diseases.
