

1. Record Nr.	UNINA9910144704303321
Titolo	Airway smooth muscle in asthma and COPD [[electronic resource]] : biology and pharmacology // edited by Kian Fan Chung
Pubbl/distr/stampa	Hoboken, N.J. ; ; Chichester, : Wiley, 2008
ISBN	1-282-34322-X 9786612343223 0-470-75422-2 0-470-75421-4
Descrizione fisica	1 online resource (332 p.)
Altri autori (Persone)	ChungK. Fan <1951->
Disciplina	616.2
Soggetti	Respiratory muscles - Physiology Smooth muscle - Physiology Respiratory muscles - Molecular aspects Smooth muscle - Molecular aspects Respiratory agents Respiratory organs - Diseases - Treatment Respiratory therapy
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 and index.
Nota di contenuto	Airway Smooth Muscle; Contents; List of Contributors; 1 Biophysical basis of airway smooth muscle contraction and hyperresponsiveness in asthma; 1.1 Introduction; 1.2 Airway hyperresponsiveness; 1.3 Classical behaviour of airway smooth muscle and the balance of static forces; 1.4 Shortening velocity and other manifestations of muscle dynamics; 1.5 Biophysical characterization of airway smooth muscle: bronchospasm in culture?; 1.6 Mechanical plasticity: a nonclassical feature of airway smooth muscle; 1.7 Recent observations; 1.8 Future directions; References 2 Dynamics of cytoskeletal and contractile protein organization: an emerging paradigm for airway smooth muscle contraction 2.1 Introduction; 2.2 Molecular structure and organization of contractile and cytoskeletal filaments in the airway smooth muscle cell; 2.3 Cytoskeletal dynamics and airway smooth muscle contraction;

References; 3 Airway smooth muscle: role in airway constrictor hyperresponsiveness; 3.1 What is airway constrictor hyperresponsiveness (AHR)?; 3.2 Is AHR ever good?; 3.3 Potential mechanisms leading to airflow obstruction
3.4 Potential abnormalities of airway smooth muscle (ASM)3.5 If ASM is dysfunctional, how did it get that way?; 3.6 Summary;
Acknowledgements; References; 4 Airway smooth muscle phenotypic and functional plasticity; 4.1 Introduction; 4.2 Historical perspective: smooth muscle phenotype plasticity; 4.3 Features of phenotype plasticity; 4.4 Mechanisms for phenotypic plasticity; 4.5 Functional plasticity of airway smooth muscle: role in asthma pathogenesis; 4.6 Concluding remarks; References; 5 Airway smooth muscle proliferation: insights into mechanisms regulating airway smooth muscle mass
5.1 Increases in airway smooth muscle (ASM) mass and the functional consequences5.2 Growth factors, inflammatory mediators and cytokines modulate ASM proliferation; References; 6 Airway smooth muscle bidirectional interactions with extracellular matrix; 6.1 Overview; 6.2 Introduction; 6.3 Airway extracellular matrix (ECM) in health and disease; 6.4 Integrins; 6.5 Airway smooth muscle (ASM) as a modulator of airway ECM; 6.6 Airway ECM as modulator of ASM function; 6.7 Impact of anti-asthma therapy on ASM-ECM interactions; 6.8 Conclusions; Acknowledgements; References
7 Airway smooth muscle interaction with mast cells7.1 Introduction; 7.2 Mast cell mediators alter smooth muscle function; 7.3 Smooth muscle cells induce mast cell chemotaxis; 7.4 Mast cells can adhere to airway smooth muscle; 7.5 Conclusion; Acknowledgements; References; 8 Airway smooth muscle synthesis of inflammatory mediators; 8.1 Introduction; 8.2 Lipid mediators; 8.3 Chemokines; 8.4 Growth and remodelling factors; 8.5 Conclusions; References; 9 Airway smooth muscle in experimental models; 9.1 Introduction; 9.2 Methods of assessment of airway smooth muscle (ASM) function
9.3 Potential mechanisms by which ASM properties may contribute to airway responsiveness

Sommario/riassunto

In this book, leading researchers in medicine and molecular pharmacology explain the cellular mechanisms that control airway smooth muscle. The means by which these are disrupted in disease, and the pharmacologic strategies by which they may be modified are discussed and future therapeutic interventions are identified. Aimed at specialists in pulmonology, this volume provides the clinician with the most up to date information on one of the core physiological processes in airway disease, and offers insights into current and future approaches to management. Authori

2. Record Nr.	UNINA9910389549403321
Titolo	1484.12.3-2020 - IEEE Standard for Learning Technology--Extensible Markup Language (XML) Schema Definition Language Binding for Learning Object Metadata // Institute of Electrical and Electronics Engineers
Pubbl/distr/stampa	New York, New York : , : IEEE, , 2020
ISBN	1-5044-6548-2
Descrizione fisica	1 online resource (58 pages)
Disciplina	621.381
Soggetti	Digital electronics - Standards XML (Document markup language)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This Standard defines a World Wide Web Consortium (W3C) Extensible Markup Language (XML) Schema definition language binding of the learning object metadata (LOM) data model defined in IEEE Std 1484.12.1TM-2002. The purpose of this Standard is to allow the creation of LOM instances in XML, which allows for interoperability and the exchange of LOM XML instances between various systems. This Standard uses the W3C XML Schema definition language to define the syntax and semantics of the XML encodings.