

1. Record Nr.	UNINA9910437607303321
Titolo	Respiratory Regulation - The Molecular Approach // edited by Mieczyslaw Pokorski
Pubbl/distr/stampa	Dordrecht : , : Springer Netherlands : , : Imprint : Springer, , 2013
ISBN	9786613841575 9781283529129 1283529122 9789400745490 9400745494
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (352 p.)
Collana	Advances in Experimental Medicine and Biology, , 2214-8019 ; ; 756
Altri autori (Persone)	PokorskiMieczyslaw
Disciplina	612.044
Soggetti	Medicine - Research Biology - Research Respiratory organs - Diseases Biomedical Research Pneumology
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	Preface- 1. Neutrophil Extracellular Trap in Human Diseases -- 2. Tiotropium Increases PPAR and Decreases CREB in Cells Isolated from Induced Sputum of COPD Patients -- 3. Expression of Ki-67, Bcl-2, Survivin and p53 Proteins in Patients with Pulmonary Carcinoma -- 4. Indacaterol Add-on Therapy Improves Lung Function, Exercise Capacity and Life Quality of COPD Patients -- 5. Rapid DNA Extraction Protocol for Detection of Alpha-1 Antitrypsin Deficiency from Dried Blood Spots by Real-Time PCR -- 6. CRAC Ion Channels and Airway Defense Reflexes in Experimental Allergic Inflammation -- 7. Experimental Model of Allergic Asthma -- 8. Effects of Selective Inhibition of PDE4 and PDE7 on Airway Reactivity and Cough in Healthy and Ovalbumin-Sensitized Guinea Pigs -- 9. Naloxone Blocks Suppression of Cough by Codeine in Anesthetized Rabbits -- 10. Influence of Sublingual Immunotherapy on the Expression of Mac-1 Integrin in Neutrophils from Asthmatic Children -- 11. L-Arginine Supplementation and

Experimental Airway Hyperreactivity -- 12. Polyphenols and Their Components in Experimental Allergic Asthma -- 13. Green Tea and Its Major Polyphenol EGCG Increase the Activity of Oral Peroxidases -- 14. Mangiferin and Its Traversal into the Brain -- 15. Pasma Selectins in Patients with Obstructive Sleep Apnea -- 16. Blood Antioxidant Status, Dysglycemia and Obstructive Sleep Apnea -- 17.-Anti-Natrium/Iodide Symporter Antibodies and Other Antithyroid Antibodies in Children with Turner's Syndrome -- 18. Influence of Sera from Interstitial Lung Disease Patients on Angiogenic Activity of Mononuclear Cells -- 19. Anti-endothelial Cell Antibodies in Relation to Pulmonary Hypertension and Lung Fibrosis in Systemic Sclerosis -- 20. Leptin Receptor in Childhood Acute Leukemias -- 21. Expression of Cytotoxic T Lymphocyte Antigen-4 in T Cells from Children with Hashimoto's Thyroiditis -- 22. Exercise in Cold Air and Hydrogen Peroxide Release in Exhaled Breath Condensate. - 23. Non-Invasive Assessment of Exhaled Breath Pattern in Patients with Multiple Chemical Sensibility Disorder -- 24. Anti-Inflammatory Treatment in Dysfunction of Pulmonary Surfactant in Meconium-Induced Acute Lung Injury -- 25. Microcirculation in the Lungs: Special Features of Construction and Dynamics -- 26. Immunotargeting of the Pulmonary Endothelium via Angiotensin-Converting-Enzyme in Isolated Ventilated and Perfused Human Lung -- 27. Angiogenic Activity of Sera from Interstitial Lung Disease Patients in Relation to Angiotensin-Converting Enzyme Activity -- 28. Development and Aging are Oxygen-Dependent and are Correlated with VEGF and NOS along Life Span -- 29. Sarcoidosis and Tuberculosis: A connection with the Human Leukocyte Antigen System -- 30. Toll-Like Receptor-9 Polymorphisms in Sarcoidosis and Chronic Obstructive Pulmonary Disease -- 31. Association of Adiponectin Gene G276t Polymorphism with Atherogenic Indicators in Obese Children -- 32. Relation of Fat-Mass and Obesity-Associated Gene Polymorphism to Fat Mass Content and Body Mass Index in Obese Children -- 33. Rapid Test for Influenza in Diagnostics. - 34. Infections with A(H1N1)2009 Influenza Virus in Poland During the Last Pandemic: Experience of the National Influenza Center -- 35. Immune Response to Influenza Vaccine in Hemodialysis Patients with Chronic Renal Failure -- 36. Co-infections with Influenza and Other Respiratory Viruses -- 37. Flow Cytometry in Detection of Abnormalities of Natural Killer Cell -- 38. sVEGF R1 and Tie-2 Levels during Chemotherapy of Lung Cancer Patients -- 39. Reliable Detection of Rare Mutations in EGFR Gene Codon L858 by PNA-LNA PCR Clamp in Non-Small Cell Lung Cancer -- 40. Neurological Paraneoplastic Syndromes in Lung Cancer Patients -- 41. Cardiovascular Side Effects of Aminophylline in Meconium-Induced Acute Lung Injury -- 42. Proteomic Analysis of the Carotid Body: A Preliminary Study -- 43. Effects of Body Positions on Respiratory Muscle Activation during Maximal Inspiratory Maneuvers. Expression of Ki-67, Bcl-2, Survivin and p53 Proteins in Patients with Pulmonary Carcinoma -- 4. Indacaterol Add-on Therapy Improves Lung Function, Exercise Capacity and Life Quality of COPD Patients -- 5. Rapid DNA Extraction Protocol for Detection of Alpha-1 Antitrypsin Deficiency from Dried Blood Spots by Real-Time PCR -- 6. CRAC Ion Channels and Airway Defense Reflexes in Experimental Allergic Inflammation -- 7. Experimental Model of Allergic Asthma -- 8. Effects of Selective Inhibition of PDE4 and PDE7 on Airway Reactivity and Cough in Healthy and Ovalbumin-Sensitized Guinea Pigs -- 9. Naloxone Blocks Suppression of Cough by Codeine in Anesthetized Rabbits -- 10. Influence of Sublingual Immunotherapy on the Expression of Mac-1 Integrin in Neutrophils from Asthmatic Children -- 11. L-

Arginine Supplementation and Experimental Airway Hyperreactivity -- 12. Polyphenols and Their Components in Experimental Allergic Asthma -- 13. Green Tea and Its Major Polyphenol EGCG Increase the Activity of Oral Peroxidases -- 14. Mangiferin and Its Traversal into the Brain -- 15. Pasma Selectins in Patients with Obstructive Sleep Apnea -- 16. Blood Antioxidant Status, Dysglycemia and Obstructive Sleep Apnea -- 17 -- Anti-Natrium/Iodide Symporter Antibodies and Other Antithyroid Antibodies in Children with Turner's Syndrome -- 18. Influence of Sera from Interstitial Lung Disease Patients on Angiogenic Activity of Mononuclear Cells -- 19. Anti-endothelial Cell Antibodies in Relation to Pulmonary Hypertension and Lung Fibrosis in Systemic Sclerosis -- 20. Leptin Receptor in Childhood Acute Leukemias -- 21. Expression of Cytotoxic T Lymphocyte Antigen-4 in T Cells from Children with Hashimoto's Thyroiditis -- 22. Exercise in Cold Air and Hydrogen Peroxide Release in Exhaled Breath Condensate. - 23. Non-Invasive Assessment of Exhaled Breath Pattern in Patients with Multiple Chemical Sensibility Disorder -- 24. Anti-Inflammatory Treatment in Dysfunction of Pulmonary Surfactant in Meconium-Induced Acute Lung Injury -- 25. Microcirculation in the Lungs: Special Features of Construction and Dynamics -- 26. Immunotargeting of the Pulmonary Endothelium via Angiotensin-Converting-Enzyme in Isolated Ventilated and Perfused Human Lung -- 27. Angiogenic Activity of Sera from Interstitial Lung Disease Patients in Relation to Angiotensin-Converting Enzyme Activity -- 28. Development and Aging are Oxygen-Dependent and are Correlated with VEGF and NOS along Life Span -- 29. Sarcoidosis and Tuberculosis: A connection with the Human Leukocyte Antigen System -- 30. Toll-Like Receptor-9 Polymorphisms in Sarcoidosis and Chronic Obstructive Pulmonary Disease -- 31. Association of Adiponectin Gene G276t Polymorphism with Atherogenic Indicators in Obese Children -- 32. Relation of Fat-Mass and Obesity-Associated Gene Polymorphism to Fat Mass Content and Body Mass Index in Obese Children -- 33. Rapid Test for Influenza in Diagnostics. - 34. Infections with A(H1N1)2009 Influenza Virus in Poland During the Last Pandemic: Experience of the National Influenza Center -- 35. Immune Response to Influenza Vaccine in Hemodialysis Patients with Chronic Renal Failure -- 36. Co-infections with Influenza and Other Respiratory Viruses -- 37. Flow Cytometry in Detection of Abnormalities of Natural Killer Cell -- 38. sVEGF R1 and Tie-2 Levels during Chemotherapy of Lung Cancer Patients -- 39. Reliable Detection of Rare Mutations in EGFR Gene Codon L858 by PNA-LNA PCR Clamp in Non-Small Cell Lung Cancer -- 40. Neurological Paraneoplastic Syndromes in Lung Cancer Patients -- 41. Cardiovascular Side Effects of Aminophylline in Meconium-Induced Acute Lung Injury -- 42. Proteomic Analysis of the Carotid Body: A Preliminary Study -- 43. Effects of Body Positions on Respiratory Muscle Activation during Maximal Inspiratory Maneuvers.

## Sommario/riassunto

This book, an international collaborative effort in the area of molecular respiratory research, showcases a broad range of multidisciplinary approaches to unravel and analyze the underlying mechanisms of a spectrum of respiratory ailments. It discusses immunological and genetic respiratory disorders, cancer, respiratory allergies and cough, sleep disordered breathing and many others. Exciting new results and up-to-date critical overviews of widely debated topics pertaining to respiratory disorders are presented. The contributions provide evidence for the growing interest of the international community of researchers in the field of respiration. The book incorporates modern molecular approaches to diagnostic and treatment solutions, underscoring the need for rational, evidence-based treatment methods. Combining

cutting edge basic and clinical research with expert knowledge and experience this book is essential reading for medical students, research scientists and practicing specialists in pulmonology, immunology and allergology.

---