



XI WORLD ASTHMA, ALLERGY & COPD FORUM

Barcelona, Spain

April 20–23, 2018

GENERAL INFORMATION

CONGRESS VENUE

The ***Renaissance Barcelona Fira Hotel*** is the Headquarters of the XI World Asthma, Allergy & COPD Forum.

DATES

April 20–23, 2018

LANGUAGE

The official language of the Congress is English.

REGISTRATION

The registration desk will open in the *Renaissance Barcelona Fira Hotel*:

April 20, 14.00 – 19.00	in the Lobby of the Hotel
April 21, 09.00 – 16.00	in the Foyer of the Main Congress Hall (Europa 2+3)
April 22, 10.00 – 16.00	in the Foyer of the Main Congress Hall (Europa 2+3)
April 23, 10.00 – 14.00	in the Foyer of the Main Congress Hall (Europa 2+3)

NAME BADGES

All Congress participants, official guests, accompanying persons are kindly requested to wear their name badges for the participation in all scientific sessions and social events of the Congress.

OPENING CEREMONY

The Opening Ceremony of the XI World Asthma, Allergy & COPD Forum will be held in the Main Congress Hall (Europa 2+3), *Renaissance Barcelona Fira Hotel* on April 21, at 10.00 a.m. Admission by name badges.

ORAL PRESENTATIONS

Oral presentations last up to 20 min in plenary sessions and symposia. Keynote and memorial lectures last from 30 min to 45 min including question.

PPT PRESENTATIONS AND SLIDES

Power Point Presentations (on CD or flash) should be handed to the representative of the Congress Secretariat in advance but not later than 15 min prior to the start of the session.

POSTER PRESENTATIONS

All posters should be displayed in the *poster area of the Main Congress Hall (Europa 2+3)* according to the Congress Program on April 21 and 22. The poster size is 75×120 cm.

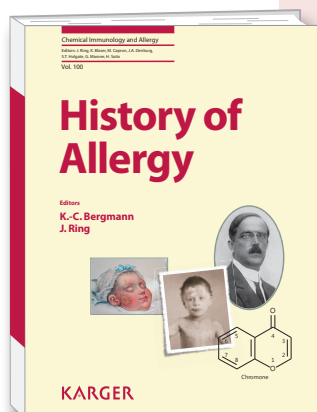
Presenters are requested to attend their poster site

April 21, 11.45 – 12.15
April 22, 12.00 – 12.30

CME CREDITS

The XI World Asthma, Allergy & COPD Forum — the Continuing Medical Education (CME) activity—will receive accreditation from EBAP (European Board for Accreditation in Pneumology). European accreditation is granted by EACCME, EBAACI, and EBAP following the EACCME standards (D9908) in order to allow participants to validate the credits obtained at this activity in their home countries. Following evaluation, the XI World Asthma, Allergy & COPD Forum will be accredited by EBAP for 18 European CME credits covering the whole program.

*A treasure trove of
fascinating and richly illustrated information*



History of Allergy

Editors
Karl-Christian Bergmann
Johannes Ring

History of Allergy

Editors: Bergmann, K.-C. (Berlin);
Ring, J. (Munich)
XX + 426 p., 257 fig., 127 in color, 20 tab., 2014
CHF 115.00 / EUR 96.00 / USD 135.00 (hard cover)
CHF 138.00 / EUR 115.00 / USD 162.00 (online)
Online version for institutional purchase,
prices subject to change
EUR price for Germany, USD price for USA and
Latin America only
ISBN 978-3-318-02194-3 (hard cover)
e-ISBN 978-3-318-02195-0

Chemical Immunology and Allergy, Vol. 100
Series Editors: Ring, J. (Munich); Blaser, K. (Davos);
Capron, M. (Lille); Denburg, J.A. (Hamilton, Ont.);
Holgate, S.T. (Southampton); Marone, G. (Napoli);
Saito, H. (Tokyo)
Listed in MEDLINE/PubMed



Dear Librarian

I have reviewed this publication and
would like to recommend it for our library.

Recommended by:

Department:

Date:

Signature:

Orders may be placed with any bookshop,
subscription agency, directly with the publisher
or through a Karger distributor.

This book presents a detailed and varied historical overview of the field of allergology. Beginning with insights into allergy from antiquity to the 20th century, it compiles historical reflections on the understanding of the most common allergic diseases. Important milestones in the discovery of mechanisms of allergy are described, followed by historical accounts of the detection of allergens such as pollen, dust mites, peanuts and latex, and of environmental influences such as pollution and the relationship between farmers and their environment. Several chapters illustrate the progress made in allergy management to date. Particular highlights of this book are the personal reflections of and interviews with a number of pioneers of allergy, including F. Austen, J. Bienenstock, K. Blaser, A. de Weck, A.W. Frankland, K. Ishizaka, and many more.

Not only researchers, physicians and medical historians, but also students and even non-scientists will find *History of Allergy* a scientific adventure well worth reading.

Contents

Allergy through 20 Centuries

- History of Allergy in Antiquity: **Ring, J.**
- History of Allergy in the Middle Ages and Renaissance: **Ring, J.**
- Landmarks in Allergy during the 19th Century: **Kay, A.B.**
- Milestones in the 20th Century: **Bergmann, K.-C.**
- Terminology of Allergic Phenomena: **Ring, J.**

Most Common Allergic Diseases:

Historical Reflections in Understanding

- Anaphylaxis: **Ring, J. et al.**
- Allergic Rhinitis: **Mygind, N.**
- Asthma: **Bergmann, K.-C.**
- Atopic Dermatitis/Atopic Eczema: **Wallach, D.; Taieb, A.**
- Allergic Contact Dermatitis: **Alikhan, A.; Maibach H.I.**
- Urticaria and Angioedema: **Maurer, M.**
- Allergy and the Eye: **Bonini, S.**
- History of Food Allergy: **Wüthrich, B.**
- Drug Hypersensitivity: **Bircher, A.J.**
- Aspirin Hypersensitivity: **Sánchez-Borges, M.**
- Bradykinin-Mediated Disease: **Kaplan, A.P.**

Mechanisms of Allergy: Important Discoveries

- The Discovery of Immunoglobulin E and Its Role in Allergy: **Johansson, S.G.O.**
- T Cell Subpopulations: **Romagnani, S.**
- Mast Cell Research: **Saito, H.**
- Basophils: Historical Reflections and Perspectives: **Marone, G. et al.**
- Eosinophils: **Radonjic-Hösl, S.; Simon, H.-U.**
- The Bradykinin-Forming Cascade: A Historical Perspective: **Kaplan, A.P.**
- Histamine Receptors and Antihistamines: From Discovery to Clinical Applications: **Cataldi, M. et al.**

Detection of Environmental Influences and Allergens

- Pollen and Pollinosis: **Smith, M. et al.**
- Mites and Allergy: **Fernández-Caldas, E. et al.**
- Mammalian Airborne Allergens: **Aalberse, R.C.**
- The Latex Story: **Raulf, M.**
- Peanut Allergens: **Becker, W.-M.; Jappe, U.**
- Environmental Pollution and Allergy: Historical Aspects: **Behrendt, H. et al.**
- Farmers and Their Environment: Protective Influences of the Farming Environment against the Development of Allergies: **Gassner, M.**

Progress in Allergy Management

- History of Catecholamine Research: **Starke, K.**
- Antihistamines: **Church, M.K.; Maurer, M.**
- Glucocorticoids: **Barnes, P.J.**
- Chromones: **Edwards, A.M.**
- Characterization and Standardization of Allergen Extracts: **Löwenstein, H.**
- Allergen-Specific Immunotherapy: **Nelson, H.S.; Norman, P.S.**

Pioneers of Allergy: Personal Reflections

K. Frank Austen • John Bienenstock • Kurt Blaser • Alain de Weck (1928–2013) • Alfred William Frankland • Oscar L. Frick • Kimishige Ishizaka • Lothar Jäger • Terumasa Miyamoto • Harry Morrow Brown (1917–2013) • Albert K. Oehling • Heimo Reulecke • Václav Špičák

Allergy Societies and Collections

AAAAI • APAAACI • CIA • EAACI • JSA • SLAAI • WAO • AAAAI Archives • The Ilya Mechnikov Collection in Riga

Online Supplementary Material

- Movie 1: Anaphylaxie et Allergie
- Movie 2: World Allergy: The Disease of Civilization
- List of Illustrations / Figure Credits
- Subject Index

The easiest way to order: www.karger.com/chial

Karger – Medical and Scientific Publishers
CH-4009 Basel, Switzerland
orders@karger.com; f: +41 61 306 12 34
www.karger.com

KARGER



XI WORLD ASTHMA, ALLERGY & COPD FORUM

Barcelona, Spain

April 20–23, 2018

PROGRAM AT A GLANCE

FRIDAY, APRIL 20

14.00 – 19.00 **Registration Desk Open**
(Renaissance Barcelona Fira Hotel, Lobby)

SATURDAY, APRIL 21

09.00 – 16.00 **Registration Desk Open** (Renaissance Barcelona Fira Hotel,
Foyer of the Main Congress Hall (Europa 2+3))

10.00 – 10.30 **OPENING CEREMONY** (Main Congress Hall (Europa 2+3))
CHAIRMEN: Revaz Sepiashvili, Ignacio Ansotegui, Sami Bahna, Nikolai Khaltsev

10.30 – 11.00 **WORLD ALLERGY WEEK 2018**
KEYNOTE LECTURE (WHO – GARD) (Main Congress Hall (Europa 2+3))
MODERATORS: Ignacio Ansotegui, Revaz Sepiashvili SPEAKER: Nikolai Khaltsev

11.00 – 11.45 **ALBERT OEHLING HONORARY LECTURE** (Main Congress Hall (Europa 2+3))
MODERATORS: Nikolai Khaltsev, Revaz Sepiashvili SPEAKER: Sami Bahna

11.45 – 12.15 **Coffee Break** (Foyer of the Main Congress Hall (Europa 2+3))

12.15 – 13.00 **ALAIN DE WECK HONORARY LECTURES** (Main Congress Hall (Europa 2+3))
MODERATORS: Sami Bahna, Revaz Sepiashvili SPEAKER: Ignacio Ansotegui

13.00 – 13.45 **KEYNOTE LECTURE** (Main Congress Hall (Europa 2+3))
MODERATORS: Victòria Cardona, Manana Chikhladze, Stelios Loukides
SPEAKER: Sami Bahna

14.00 – 15.00 **Lunch** Admission by tickets only

15.00 – 17.00 **PLENARY SESSION** (Main Congress Hall (Europa 2+3))
CHAIRMEN: Victòria Cardona, Roman Khanferyan, Carlos Nunes

10.00 – 17.00 **POSTER SESSION** (Main Congress Hall (Europa 2+3))
MODERATORS: Roman Khanferyan, Nunu Mitskevich

19.30 **PRESIDENTIAL DINNER**
Admission by invitations only



XI WORLD ASTHMA, ALLERGY & COPD FORUM

Barcelona, Spain

April 20–23, 2018

PROGRAM AT A GLANCE

SUNDAY, APRIL 22

- 09.00 – 16.00 **Registration Desk Open** (*Renaissance Barcelona Fira Hotel, Main Congress Hall (Europa 2+3), Foyer*)
- 10.00 – 10.45 **WAO PRESIDENTIAL LECTURE** (*Main Congress Hall (Europa 2+3)*)
CHAIRMEN: Sami Bahna, Manana Chikhladze, Revaz Sepiashvili
SPEAKER: Ignacio Ansotegui
- 10.45 – 11.30 **LEONARD NOON AND JOHN FREEMAN HONORARY LECTURE** (*Main Congress Hall (Europa 2+3)*)
CHAIRMEN: Ignacio Ansotegui, Kamal Maurice Hanna SPEAKER: Victòria Cardona
- 11.30 – 12.00 **KEYNOTE LECTURE** (*Main Congress Hall (Europa 2+3)*)
CHAIRMEN: Roman Khanferyan, Carlos Nunes SPEAKER: Gennaro D'Amato
- 12.00 – 12.30 **Coffee Break** (*Foyer of the Main Congress Hall (Europa 2+3)*)
- 12.30 – 14.30 **PLENARY SESSION** (*Main Congress Hall (Europa 2+3)*)
CHAIRMEN: Gennaro D'Amato, Stelios Loukides
- 14.30 – 15.30 **Lunch** Admission by tickets only
- 15.30 – 16.00 **KEYNOTE LECTURE** (*Main Congress Hall (Europa 2+3)*)
CHAIRMEN: Ignacio Ansotegui, Revaz Sepiashvili SPEAKER: Nikolai Khaltayev
- 16.00 – 17.15 **PLENARY SESSION** (*Main Congress Hall (Europa 2+3)*)
CHAIRMEN: Sergey Deyev, Kamal Maurice Hanna, Bülent Tutluoğlu
- 10.00 – 17.00 **POSTER SESSION** (*Main Congress Hall (Europa 2+3)*)
MODERATORS: Luchia Andrieş, Manana Chikhladze

MONDAY, APRIL 23

- 09.00 – 14.00 **Registration Desk Open** (*Renaissance Barcelona Fira Hotel, Main Congress Hall (Europa 2+3), Foyer*)
- 10.00 – 12.00 **PLENARY SESSION** (*Main Congress Hall (Europa 2+3)*)
CHAIRMEN: Sergey Deyev, Roman Khanferyan, Nunu Mitskevich
- 12.00 – 12.30 **Coffee Break** (*Foyer of the Main Congress Hall (Europa 2+3)*)
- 12.30 – 14.00 **WORLD ASTHMA AND COPD TRAINING SCHOOL**
INNOVATIVE TECHNOLOGIES IN ASTHMA & COPD MANAGEMENT (*Main Congress Hall (Europa 2+3)*)
MODERATORS: Sami Bahna, Revaz Sepiashvili
- 14.00 – 14.30 **CLOSING CEREMONY** (*Main Congress Hall (Europa 2+3)*)
- 14.30 – 15.30 **Lunch** Admission by tickets only



XI WORLD ASTHMA, ALLERGY & COPD FORUM

Barcelona, Spain

April 20–23, 2018

Friday, April 20, 14.00 – 19.00

Renaissance Barcelona Fira Hotel, Lobby

REGISTRATION DESK OPEN

Saturday, April 21, 10.00 – 10.30

Renaissance Barcelona Fira Hotel, Main Congress Hall

OPENING CEREMONY



Revaz Sepiashvili

**Congress President, Program Committee Co-Chairman
President, World Immunopathology Organization**



Ignacio Ansotegui

President, World Allergy Organization (WAO)



Sami Bahna

**Past President, American College of Allergy, Asthma
and Immunology (ACAAI)**



Nikolai Khaltsev

World Health Organization (WHO)



XI WORLD ASTHMA, ALLERGY & COPD FORUM

Barcelona, Spain

April 20–23, 2018

WORLD ALLERGY WEEK 2018

Saturday, April 21, 10.00 – 11.00

Renaissance Barcelona Fira Hotel, Main Congress Hall (Europa 2+3)

KEYNOTE LECTURE (WHO–GARD)

Moderators:

***Ignacio Ansotegui
Revaz Sepiashvili***

Nikolai Khaltaev *World Health Organization, Switzerland*
GARD success stories



Saturday, April 21, 11.00 – 11.45

Renaissance Barcelona Fira Hotel, Main Congress Hall (Europa 2+3)

ALBERT OEHLING HONORARY LECTURE

Moderators:

***Nikolai Khaltaev
Revaz Sepiashvili***



Sami Bahna *Allergy & Immunology Section, Louisiana State
University Health Sciences Center, Shreveport, USA*
Effect of modernization on allergy development



Saturday, April 21, 12.15 – 13.00

Renaissance Barcelona Fira Hotel, Main Congress Hall (Europa 2+3)

ALAIN DE WECK HONORARY LECTURE

Moderators:

***Sami Bahna
Revaz Sepiashvili***



Ignacio J. Ansotegui *Department of Allergy & Immunology,
Hospital Quirón Bizkaia, Erandio, Spain*
Advanced allergy diagnosis, what is valid and what is not
acceptable





XI WORLD ASTHMA, ALLERGY & COPD FORUM

Barcelona, Spain

April 20–23, 2018

Saturday, April 21, 13.00 – 13.45

Renaissance Barcelona Fira Hotel, Main Congress Hall (Europa 2+3)

KEYNOTE LECTURE

Moderators:

***Victòria Cardona
Manana Chikhladze
Stelios Loukides***

Sami Bahna *Allergy & Immunology Section, Louisiana State University Health Sciences Center, Shreveport, USA*

Effect of modernization on asthma prevalence



Saturday, April 21, 15.00 – 17.00

Renaissance Barcelona Fira Hotel, Main Congress Hall (Europa 2+3)

PLENARY SESSION

Chairmen:

***Victòria Cardona
Roman Khanferyan
Carlos Nunes***

Victòria Cardona *Department of Internal Medicine, University Hospital Vall d'Hebron, Barcelona, Spain*
Molecular diagnosis in respiratory and food allergy

Kian Fan Chung *Airway Disease Section, Imperial College London, UK; Faculty of Medicine, National Heart & Lung Institute, UK*

New treatments for severe asthma

Stelios Loukides *University of Athens Medical School, Attiko University Hospital, 2nd Respiratory Medicine Dept, Athens, Greece*

Biological treatments for severe asthma

Roman Khanferyan *Lab. of Immunology, Federal Research Center of Nutrition and Biotechnology, Moscow, Russia*

New trends in the development of antihistamines: possible role of histamine H3/H4 receptors as a target for IgE synthesis regulation

Carlos Nunes *Center of Allergy of Algarve, Portimao, Portugal*

Update treatment on non-allergic rhinitis



XI WORLD ASTHMA, ALLERGY & COPD FORUM

Barcelona, Spain

April 20–23, 2018

Saturday, April 21, 10.00 – 17.00

Renaissance Barcelona Fira Hotel, Main Congress Hall (Europa 2+3)

POSTER SESSION

Moderators:

Roman Khanferyan
Nunu Mitskevich

Cheol Hong Kim¹, Kyoung Seob Song² ¹*Department of Pediatrics, Sungkyunkwan University Samsung Changwon Hospital, Changwon, Korea;* ²*Department of Physiology, Kosin University College of Medicine, Busan, Korea*

Airborne particulate matter increases MUC5AC expression by downregulating Claudin-1 expression in human airway cells

S.V. Guryanova, M.A. Shevchenko, A.M. Sapozhnikov *Shemyakin-Ovchinnikov Institute of Bioorganic Chemistry, Russian Academy of Sciences, Moscow, Russia*

New approaches for asthma modelling

M. Chikhladze, S. Gamkrelidze, D. Kachapuridze *National Institute of Allergology, Asthma and Clinical Immunology, Georgian Academy of Sciences, Tskaltubo, Georgia*

Effects of climatic changes and air pollution on bronchial asthma in West Georgia

T.R. Stroikova, O.A. Bashkina *Astrakhan State Medical University, Astrakhan, Russia*

Analysis of associations of the control factor and clinical and genetic parameters in children with bronchial asthma

M. Maglaperidze, D. Khachapuridze, N. Adamia, M. Chikhladze, M. Matoshvili, D. Topuria, E. Khurtsidze, L. Saginadze *National Institute of Allergy, Asthma and Clinical Immunology, Georgian Academy of Sciences, Tskaltubo; Tbilisi State Medical University, Tbilisi, Georgia*

Tobacco smoke exposure in children population with allergic rhinitis, bronchial asthma and atopic dermatitis

N. Doma¹, L. Andries², M. Bețiu² ¹*Mother and Child Institute,* ²*State University Medicine and Pharmacy "Nicolae Testemitanu" Chisinau, Moldova*

New aspects in the clinical-immunological approach of patients with atopic dermatitis

A.V. Karpova, L.V. Silina, E.A. Batkaev *Peoples' Friendship University of Russia (RUDN University), Moscow; Kursk State Medical University, Kursk, Russia*

Clinical and immunological evaluation of changes in the meaning of the indicator of IgE in patients with papules-pustular subtype of rosacea, complicated by demodectosis

N. V. Batkaeva, E.A. Batkaev *Peoples' Friendship University of Russia (RUDN University), Moscow, Russia*

Immunopathogenetic comorbidity in patients with severe plaque psoriasis

P.S. Novikov¹, N.A. Cherevko¹, O.A. Muraveinik³, S.E. Kondakov², M.Yu. Rosenstein⁴, A.Z. Rosenstein⁴, B.R. Rezapov⁴ ¹*Siberian State Medical University, Tomsk;* ²*M.V. Lomonosov Moscow State University, Moscow;* ³*MO Center for Family Medicine, Tomsk;* ⁴*ImmunoHealth – RUS, Moscow, Russia*

The role of IL17 in the development of food hypersensitivity and metabolic disturbances

S.V. Salnikova^{1,3}, T.A. Slavyanskaya^{1,2} ¹*People's Friendship University of Russia;* ²*Institute of Immunophysiology;* ³*Clinical hospital #1 ADP RF, Moscow, Russia*

Innovation technologies of urothelial cancer treatment



XI WORLD ASTHMA, ALLERGY & COPD FORUM

Barcelona, Spain

April 20–23, 2018

E.A. Levkova, R.I., V.A. Pushkar, S.Z. Savin, L.A. Dilanyan *Peoples' Friendship University of Russia (RUDN University), Moscow; Pacific National University, Khabarovsk, Russia*

Immunogenetic risk criteria for cervical cancer

D. Zeynalli *Oncological Clinic of the Azerbaijan Medical University, Baku, Azerbaijan*

The incidence of malignant bone tumors in the Republic of Azerbaijan in 2017

A.V. Churov¹, A.V. Babalyk¹, A.A. Romanov² *¹Institute of Biology, Division of Karelian Research Center of the Russian Academy of Sciences; ²Republican Cancer Dispensary, Petrozavodsk, Russia*

CD39⁺FOXP3⁺ regulatory T-cells in colorectal cancer

A.Q. Orujova, N.N. Aliyev, L.I. Rustamova *Azerbaijan Medical University, Department of Infectious Diseases, Baku, Azerbaijan*

The study of antiviral activity of *A. issaevii* wormwood species to some respiratory viruses

I.V. Nesterova¹, T.D.L. Nguyen¹, E.O. Khalturina² *¹The Peoples' Friendship University of Russia; ²I.M. Sechenov First Moscow State Medical University, Moscow, Russia*

Phenotypic changes of IFN α BR1⁺CD119⁺CD284⁺ neutrophilic granulocytes in chronic herpes-viral infections and their positive transformation by recombinant IFN α 2 in the "system *in vitro*"

P.S. Novikov¹, N.A. Cherevko¹, O.A. Muraveinik³, S.E. Kondakov², M.Yu. Rosenstein⁴, A.Z. Rosenstein⁴, B.R. Rezapov⁴ *¹Siberian State Medical University, Tomsk; ²M.V. Lomonosov Moscow State University, Moscow; ³MO Center for Family Medicine, Tomsk; ⁴ImmunoHealth – RUS, Moscow, Russia*

The role of IL17 in the development of food hypersensitivity and metabolic disturbances

R.E. Babaeva, I.I. Markov *Azerbaijan State Medical University, Baku, Azerbaijan; Medical University "Reaviz", Samara, Russia*

Synthetical connections of neuroicitis in vegetative ganglias of the intestine



XI WORLD ASTHMA, ALLERGY & COPD FORUM

Barcelona, Spain

April 20–23, 2018

Sunday, April 22, 10.00 – 10.45

Renaissance Barcelona Fira Hotel, Main Congress Hall (Europa 2+3)

WAO PRESIDENTIAL LECTURE

Moderators: *Sami Bahna
Manana Chikhladze
Revaz Sepiashvili*

Ignacio J. Ansotegui *Department of Allergy & Immunology, Hospital Quirón Bizkaia,
Erandio, Spain*
The allergy epidemics



Sunday, April 22, 10.45 – 11.30

Renaissance Barcelona Fira Hotel, Main Congress Hall (Europa 2+3)

LEONARD NOON and JOHN FREEMAN HONORARY LECTURE

Moderators: *Ignacio Ansotegui
Kamal Maurice Hanna*



Victòria Cardona *Department of Internal Medicine,
University Hospital Vall d'Hebron, Barcelona, Spain*
Immunotherapy in allergic asthma: where do we
stand?





XI WORLD ASTHMA, ALLERGY & COPD FORUM

Barcelona, Spain

April 20–23, 2018

Sunday, April 22, 11.30 – 12.00

Renaissance Barcelona Fira Hotel, Main Congress Hall (Europa 2+3)

KEYNOTE LECTURE

Moderators: *Roman Khanferyan*
Carlos Nunes

Gennaro D'Amato *School of Specialization in Respiratory Diseases, Naples Federico II University, Italy; Division of Respiratory and Allergic Diseases, Department of Chest Diseases High Specialty, A. Cardarelli Hospital, Napoli, Italy*

News on climate change, air pollution and respiratory allergy



Sunday, April 22, 12.30 – 14.30

Renaissance Barcelona Fira Hotel, Main Congress Hall (Europa 2+3)

PLENARY SESSION

Chairmen: *Gennaro D'Amato*
Stelios Loukides

Gennaro D'Amato *School of Specialization in Respiratory Diseases, Naples Federico II University, Italy; Division of Respiratory and Allergic Diseases, Department of Chest Diseases High Specialty, A. Cardarelli Hospital, Napoli, Italy*

How do thunderstorms affect asthma?

Kamal Maurice Hanna *Faculty of Medicine, Cairo University, Cairo, Egypt*

What's new in allergy, asthma and COPD?

Stelios Loukides *University of Athens Medical School, Attiko University Hospital, 2nd Respiratory Medicine Dept, Athens, Greece*

COPD and cardiovascular diseases

Carlos Nunes *Center of Allergy of Algarve, Portimao, Portugal*

Human exposure to fungi and its relevance to health



XI WORLD ASTHMA, ALLERGY & COPD FORUM

Barcelona, Spain

April 20–23, 2018

Sunday, April 22, 15.30 – 16.00

Renaissance Barcelona Fira Hotel, Main Congress Hall (Europa 2+3)

KEYNOTE LECTURE

Moderators:

***Ignacio Ansotegui
Revaz Sepiashvili***



Nikolai Khaltaev *World Health Organization, Switzerland*
Social determinants of health and noncommunicable diseases

Sunday, April 22, 16.00 – 17.45

Renaissance Barcelona Fira Hotel, Main Congress Hall (Europa 2+3)

PLENARY SESSION

Chairmen:

***Sergey Deyev
Kamal Maurice Hanna
Bülent Tutluoğlu***

Ronald Dahl *Allergy Centre, Odense University Hospital, Odense C, Denmark*
New perspectives on COPD management

Kamal Maurice Hanna *Faculty of Medicine, Cairo University, Cairo, Egypt*
COPD: Present and future

Bülent Tutluoğlu *Dept of Pulmonology and Allergy, Istanbul University, Turkey*
COPD and comorbidities

Roman Khanferyan *Lab. of Immunology, Federal Research Center of Nutrition and Biotechnology, Moscow, Russia*
Cytokine/chemokine and growth factors of dendritic and mononuclear cells and IgE response

Sergey M. Deyev *Shemyakin-Ovchinnikov Institute of Bioorganic Chemistry, Russian Academy of Sciences, Moscow, Russia*
Smart immunotherapeutic principles

Sunday, April 22, 10.00 – 17.00

Renaissance Barcelona Fira Hotel, Main Congress Hall (Europa 2+3)

POSTER SESSION

Moderators:

***Luchia Andries
Manana Chikhladze***

**R.H. Begaydarova, G.K. Alshinbekova, K.G. Devdariani, A.E. Dyusembaeva, O.A. Zolotoreva,
V.R. Atakishiyeva** *Karaganda State Medical University, Karaganda, Kazakhstan*
Saccharomyces boulardii in the treatment of intestinal infections in children



XI WORLD ASTHMA, ALLERGY & COPD FORUM

Barcelona, Spain

April 20–23, 2018

G.A. Chudilova¹, S.V. Kovaleva¹, L.V. Lomtididze¹, T.V. Rusinova¹, I.V. Nesterova² ¹Kuban State Medical University, Krasnodar; ²Peoples' Friendship University of Russia (RUDN University), Moscow, Russia

Experimental remodeling in vitro of transformed cd16⁺cd32⁺cd11b⁺ phenotype subset of neutrophilic granulocytes in patients with atypical chronic bacterial infection

N.A. Sivakova, L.V. Lipatova Saint-Petersburg V.M. Bekhterev Psychoneurological Research Institute, St. Petersburg, Russia

The change in the expression of the neurotrophic brain factor (BDNF) in patients with epilepsy and depression with immunomodulation

V.I. Sokolova, D.A. Sychev, E.I. Vasil'eva, M.B. Babarina, T.S. Khlobystova Russian Medical Academy for Continuing Medical Education, Moscow, Russia; Scientific Clinical Center of Russian Railways, Moscow, Russia

Diabetic foot. Clinical and microbiological aspects, treatment strategy

S.A. Alieva Azerbaijan Medical University, Baku, Azerbaijan

Comparative characteristics of the size of the "side fan" in an adult

Sh.F. Ganbaeva, E.A. Khydyrov Azerbaijan Medical University, Baku, Azerbaijan

Osteometric characteristics of normal and narrow forms female patients in the age group 16–21 year

V.I. Bondarchuk Russian Medical Academy of Continuing Professional Education, Moscow, Russia

Electropunctural diagnostics and electropunctural therapy in rehabilitation of patients with migraine

E.N. Zharova, V.A. Almazov Scientific Medical Research Center, St. Petersburg, Russia

Possibilities of methods of physiotherapy for brain injury in acute period

N.S. Zaitseva, L.P. Siziakina, D.S. Lubimov Rostov State Medical University, Rostov-on-Don, Russia

Adaptive restructuring of the immune response in military personnel under professional stress

E.A. Levkova, S.Z. Savin, L.A. Dilanyan Russian University of Friendship of Peoples (RUDN University), Moscow; Research Institute of Computer Technologies and Telecommunications, Pacific State University, Khabarovsk, Russia

Assessment of personal risks in children

G. Kausova¹, R. Issayeva², K. Pushkarev¹ ¹Kazakhstan's Medical University "KSPH"; ²Kazakh Medical University of Continuing Education, Almaty, Kazakhstan

Availability of Torch-infection in newborn with the hemorrhagic stroke

O.V. Sergeeva^{1,2}, A.A. Rushanian^{1,3}, T.V. Kosenova^{1,3} ¹N.N. Burdenko Voronezh State Medical University;

²Department of Social Protection of the Voronezh Region;

³Main Bureau of Medical and Social Expertise in the Voronezh Region, Voronezh, Russia

Analysis of the level of disability of children and adolescents due to pathology of the musculoskeletal system and connective tissue in the Voronezh region, ways and solutions

N.A. Ryabchikova, Ur.E. Moskalenko Lomonosov Moscow State University, Moscow, Russia

Correlation between human cognitive function and circulation processes

V.P. Mudrov¹, V.N. Nelyubin², E.S. Vorobieva³, E.Y. Lisyuk⁴, S.Y. Ivanov⁵ ¹Laboratory Department, 9th Medical-Diagnostic Center; ²A.I. Evdokimov Moscow State University of Medicine & Dentistry, ³GF Group Ltd.; ⁴Institute of Gene Biology; ⁵Sechenov State Medical University, Moscow, Russia

Application of immunotropic therapy for periodontitis



XI WORLD ASTHMA, ALLERGY & COPD FORUM

Barcelona, Spain

April 20–23, 2018

Monday, April 23, 10.00 – 12.00

Renaissance Barcelona Fira Hotel, Main Congress Hall (Europa 2+3)

PLENARY SESSION

Chairmen: *Sergey Deyev*
Roman Khanferyan
Nunu Mitskevich

Sergey M. Deyev *Shemyakin-Ovchinnikov Institute of Bioorganic Chemistry, Russian Academy of Sciences, Moscow, Russia*

Immunotargeting of detect and therapeutic agents

Roman Khanferyan *Lab. of Immunology, Federal Research Center of Nutrition and Biotechnology, Moscow, Russia*

Nutrients as immunomodulatory factors in asthmatic patients with metabolic disorders

Nunu Mitskevich *Division of Immunology and Microbiology, Faculty of Exact and Natural Sciences Iv. Javakhishvili Tbilisi State University, Tbilisi, Georgia*

Role of dendritic cells in the regulation of anti tumor immunity

Monday, April 23, 12.30 – 14.00

Renaissance Barcelona Fira Hotel, Main Congress Hall (Europa 2+3)

WORLD ASTHMA AND COPD TRAINING SCHOOL INNOVATIVE TECHNOLOGIES IN ASTHMA & COPD MANAGEMENT

Moderators: *Sami Bahna*
Revaz Sepiashvili

Monday, April 23, 14.00 – 14.30

Renaissance Barcelona Fira Hotel, Main Congress Hall (Europa 2+3)

CLOSING CEREMONY

*The clinical, public health and
political aspects of tobacco smoking*

The Tobacco Epidemic

2nd, revised and extended edition

Editors

R. Loddenkemper, Berlin
M. Kreuter, Heidelberg

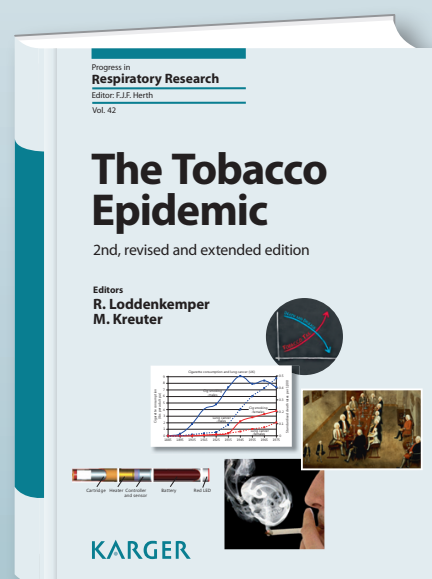
Tobacco use continues to be the leading preventable cause of death worldwide. This new book provides a comprehensive update of the clinical, public health and political aspects of tobacco smoking. The editors have invited the who's who in the field to create a unique book that is both highly scientific and easy to read.

This book is a must-read for anyone who treats patients with smoking-related diseases and for those engaged in tobacco control. It will also be of interest to journalists and legislators.

See the full table of contents, read free sample chapters and place your order on the book website:

www.karger.com/prrer

KARGER



The Tobacco Epidemic

2nd, revised and extended edition
(Progress in Respiratory Research, Vol. 42)

Editors: Loddenkemper, R. (Berlin),
Kreuter, M. (Heidelberg)
X + 276 p., 85 fig., 31 in color, 29 tab., 2015
ISBN 978-3-318-02656-6

List price:
CHF 78.00 / EUR 73.00 / USD 92.00

Prices subject to change, VAT not included
EUR price for eurozone countries,
USD price for USA and Latin America only



K117333_A4



XI WORLD ASTHMA, ALLERGY & COPD FORUM

Barcelona, Spain

April 20–23, 2018



***JOIN US IN TBILISI, MOSCOW
AND SAINT PETERSBURG
AT WIPO CONGRESSES!***



June 15–19, 2018

Tbilisi, Georgia

**VI EUROPEAN CONGRESS ON ASTHMA,
COPD & RESPIRATORY ALLERGY**



October 18–21, 2018

Moscow, Russia

**XII WORLD CONGRESS ON ASTHMA,
COPD & IMMUNOPATHOLOGY**



June 28 – July 2, 2019

Saint Petersburg, Russia

**XII WORLD ASTHMA,
ALLERGY & COPD FORUM**

Congress Secretariat



World Immunopathology Organization



(7-495) 735-1414

Fax

(7-495) 735-1441

E-mail

info@wipocis.org (Registration, Accommodation, Tours)

wipocis@mail.ru (Abstract Submission, Scientific Program)

www.wipocis.org