



XII WORLD CONGRESS ON ASTHMA, COPD AND IMMUNOPATHOLOGY

Moscow, Russia

October 18–21, 2018



GENERAL INFORMATION

CONGRESS VENUE

The *RADISSON BLU ROYAL MOSCOW HOTEL* is the Headquarters of the XII WORLD CONGRESS ON ASTHMA, COPD & IMMUNOPATHOLOGY. Address: 2/1, Building 1, Kutuzovsky Prospekt, Moscow 121248, Russia.

DATES

October 18–21, 2018

LANGUAGE

The official language of the Congress is English.

REGISTRATION

The registration desk will open in the lobby of the *RADISSON BLU ROYAL MOSCOW HOTEL*:

October 18, 15:00 – 19:00

October 19–21, 9:00 – 15:00

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 XII WORLD CONGRESS ON ASTHMA, COPD & IMMUNOPATHOLOGY will be held in the Conference Hall of the *RADISSON BLU ROYAL MOSCOW HOTEL* on October 19, at 9.30 a.m. Admission by name badges.

ORAL PRESENTATIONS

Oral presentations last up to 20 min in plenary sessions and up to 15 min in symposia. Keynote and memorial lectures last 30–40 min including question.



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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 according to the Congress Program on October 19–21. Presenters are requested to attend their poster site from 11:45 through 12.15. The poster size is 75×120 cm.

CME CREDITS

The XII WORLD CONGRESS ON ASTHMA, COPD & IMMUNOPATHOLOGY — 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 XII WORLD CONGRESS ON ASTHMA, COPD & IMMUNOPATHOLOGY will be accredited by EBAP for 18 European CME credits covering the whole program.



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Thursday, October 18, 12:00 – 15:00

Peoples' Friendship University of Russia (RUDN University)

Department of Immunology and Allergology

Research Center for Molecular Allergology & Immunology

(8, Miklukho-Maklaya Str., Build. 2, Office 207, Moscow)

MASTER CLASS IN MOLECULAR ALLERGOLOGY

Chairmen: ***Rudolf Valenta***
 Yulia Dorofeeva
 Revaz Sepiashvili
 Tatiana Slavyanskaya

Friday, October 19, 9:30 – 10:00

Radisson Blu Royal Moscow Hotel, Conference Hall

OPENING CEREMONY

Welcome Addresses



Revaz Sepiashvili

President, World Immunopathology Organization (WIPPO)

President, CIS Society of Allergology and Immunology

Congress President



Dana Wallace

Past-President, American College of Allergy, Asthma &

Immunology (ACAAI)

Chair, WAO ESP Committee



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Allen Kaplan

Past-President, World Allergy Organization (WAO)



Bryan Martin

Past-President, American College of Allergy, Asthma & Immunology (ACAAI)



Rakhim Khaitov

President, Russian Association of Allergology and Clinical Immunology



Nikolay Khaitaev

World Health Organization (WHO)



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Friday, October 19, 10:00 – 10:45

Radisson Blu Royal Moscow Hotel, Conference Hall

KIMISHIGE ISHIZAKA KEYNOTE LECTURE

Moderators: *Revaz Sepiashvili*
Tatiana Slavyanskaya

Rudolf Valenta *Department of Pathophysiology and Allergy Research, Center of Pathophysiology, Infectiology & Immunology, Medical University Vienna, Austria*
Towards prophylactic vaccination of allergy

Friday, October 19, 10:45 – 11:30

Radisson Blu Royal Moscow Hotel, Conference Hall

ALAIN DE WECK KEYNOTE LECTURE

Moderators: *Revaz Sepiashvili*
Rudolf Valenta

Allen Kaplan *Medical University of South Carolina, Charleston, USA*
Targeting pathophysiologic mechanisms as treatment for asthma

Friday, October 19, 12:00 – 18:00

Radisson Blu Royal Moscow Hotel, Conference Hall



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WORLD ALLERGY SCHOOL WAO WATS PROGRAM

Moderators: *Dana Wallace*
Elham Hossny
Allen Kaplan
Bryan Martin
Revaz Sepiashvili

12:00–12:15	Welcome and Objectives
12:15–12:45	Dana Wallace <i>Nova Southeastern Allopathic Medical School, USA</i> Allergy skin testing and immunotherapy
12:45–13:30	Workshop: Allergy skin testing <i>Chair: Dana Wallace</i>
13:30–14:30	Lunch time
14:30–15:00	Elham Hossny <i>Pediatric Allergy and Immunology Unit, Children's Hospital, Ain Shams University, Cairo, Egypt</i> Asthma: Diagnosis and management
15:00–15:30	Workshop: Pulmonary function testing demo <i>Chair: Elham Hossny</i>
15:30–16:00	Dana Wallace <i>Nova Southeastern Allopathic Medical School, USA</i> Food allergy and anaphylaxis
16:00–17:00	Bryan Martin <i>The Ohio State University in Columbus, Огайо, USA</i> Contact dermatitis: Diagnosis and treatment
16:30–17:00	Workshop: Patch testing <i>Chair: Bryan Martin</i>
17:00–17:30	Allen Kaplan <i>Medical University of South Carolina, Чарльстон, США</i> Chronic urticaria and angiodema
17.30–18.00	WATS panel discussion and comments



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Friday, October 19, 18:00 – 19:15

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PLENARY SESSION

Chairmen: *Manana Chikhladze*
Sergey Deyev
Alexander Gabibov
Revaz Sepiashvili

Alexander Gabibov *M.M. Shemyakin & Yu.A. Ovchinnikov Institute of Bioorganic Chemistry, Moscow, Russia*

Screening technologies to obtain novel immunotherapeutics

Sergey Deyev *M.M. Shemyakin & Yu.A. Ovchinnikov Institute of Bioorganic Chemistry, Moscow, Russia*

Innovative technologies in diagnostics and treatment

Friday, October 19, 10:00 – 19:15

Radisson Blu Royal Moscow Hotel, Conference Hall

POSTER SESSION

Moderatos: *Roman Khanferyan*
Darejan Khachapuridze
Amaliya Ayubova

Luca Perfetti, Margherita Carotenuto, Gabriella Calcagno, Carlo Biale, Antonio Meriggi *Allergy Centre, ICS Maugeri, Pavia, Italy*

Bronchodilation tests with Ipratropium-Bromide vs Salbutamol In Asthmatic Adults: Differences in 24-hour Holter ECG Monitoring



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S. Mourad, M. Abd Al-Ghaffar, A. Hamed Abdellah, Mohamed Al-Amir Bassiony

Faculty of Medicine, Sohag University, Egypt

Cognitive profile in patients with bronchial asthma and chronic obstructive pulmonary disease (COPD)

Kaponi Maria , Hillas Georgios, Koukidou Sofia , Drivas Georgios ,Karambitsakos

Theodoros, Dimakou Katerina *5th Respiratory Department, "Sotiria" General Hospital of Chest Diseases, Athens, Greece*

Clinical, functional and microbiologic characteristics of patients with co-existence COPD and bronchiectasis. Comparison to COPD or bronchiectasis alone

Mizi Eleftheria¹, Toumpanakis Dimitrios¹, Vassilakopoulou Vyrionia¹,

Chatzianastasiou Athanasia¹, Karavana Vassiliki¹, Vassilakopoulos Theodoros^{1,2}

¹"Marianthi Simou" Applied Biomedical Research and Training Center, Medical School, University of Athens, Greece; ²3rd Department of Critical Care Medicine, Evgenideion Hospital, Medical School, University of Athens, Greece

Acute resistive breathing worsens chronic cigarette smoke-induced pulmonary inflammation

F.M. Shamsiev, N.I. Karimova, Z.Sh. Avezova *Republican Specialized Research and*

Practical Medical Center for Pediatrics, Tashkent, Uzbekistan

Dynamics of immunological indices when vitamin D is used in children with bronchial asthma

E. Trushina, E. Kostina *Penza, Russia*

Eosinophil phenotype biomarkers in chronic obstructive lung disease

O.A. Namakanova, E.O. Gubernatorova, M.S. Drutskaya, S.A. Nedospasov

Engelhardt Institute of Molecular Biology, Moscow, Russia

Pharmacological blockage of IL-6 and TNF in the pathogenesis of experimental acute HDM-induced asthma model in mice

E.O. Gubernatorova, O.A. Namakanova, M.S. Drutskay, S.A. Nedospasov

Engelhardt Institute of Molecular Biology, Moscow Russia

Cellular sources of IL-6 in the mouse model of allergic asthma

T. Turcanu, L. Andries *University of Medicine and Pharmacy "Nicolae Testemitanu", Moldova*

A clinical study of Plater's syndrome incidence in infants with acute pneumonia



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L.P. Andriesh, T.G. Tsurcan, D.V. Barba, O.V. Yarmaliuk, S.D. Kovantsev

N. Testemitanu University of Medicine and Pharmacy, Chisinau, Moldova

Dysfunctions of immune system indices in children with thymomegaly

I.V. Bogdanov, E.I. Finkina, D.N. Melnikova, T.V. Ovchinnikova *M.M. Shemyakin*

and Yu.A. Ovchinnikov Institute of Bioorganic Chemistry, Russian Academy of Sciences, Moscow, Russia

Serum cytokine profile of patients with pollen allergy

D.N. Melnikova, T.V. Romanova, I.V. Bogdanov, E.I. Finkina, T.V. Ovchinnikova

M.M. Shemyakin and Yu.A. Ovchinnikov Institute of Bioorganic Chemistry, Russian Academy of Sciences, Moscow, Russia

Design of recombinant plant allergens panel for a component-based microarray

G.M. Nasrullayeva¹, H.V. Huseynov², V.R. Mammadova¹ *¹Azerbaijan Medical*

University, Research Immunology Laboratory, Baku, Azerbaijan; ²Central Military Clinic of the Ministry of Defense of the Republic of Azerbaijan, Baku

The role of the pro-inflammatory cytokine IL-1b in the development of viral hepatitis B and C.



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Saturday, October 20, 9:30 – 11:30

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PLENARY SESSION

Chairmen: *Kamal Maurice Hanna*
Nikolai Khaltsev
Rudolf Valenta
Dana Wallace

Nikolai Khaltsev *WHO/GARD Chair, Geneva, Switzerland*

Noncommunicable diseases and air pollution

Rudolf Valenta *Department of Pathophysiology and Allergy Research, Center of Pathophysiology, Infectiology & Immunology, Medical University Vienna, Austria*

Engineering of a vaccine for the treatment of house dust mite allergy

Dana V. Wallace *Nova Southeastern Allopathic Medical School, Davie, Florida, USA*

Trends in Anaphylaxis: Infants, children, and adults

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

Personalized medicine for anaphylaxis management

Dana V. Wallace *Nova Southeastern Allopathic Medical School, Davie, Florida, USA*

Adherence and cost effectiveness of SLIT and SCIT

Yulia Dorofeeva *Medical University of Vienna, Vienna Austria*

Molecular, structural and immunological characterization of the recombinant wild-type-like versions of the major Parietaria allergens, Par j 1 and Par j 2.

Filipa Semedo *Hospital de São Bernardo, Centro Hospitalar de Setúbal, E.P.E., Portugal*

Der p 1, Der p 2, Der p 23 -House Dust Mite major allergens sensitization profile in a Portuguese population



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Saturday, October 20, 12:00 – 13:30

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PLENARY SESSION

Chairmen: *Kamal Maurice Hanna* *Stelios Loukides*
Roman Khanferyan *Bryan Martin*

Bryan Martin *The Ohio State University in Columbus, Ozaño, USA*

The role of immunotherapy in asthma

Stelios Loukides *University of Athens Medical School, Attiko University Hospital, Athens, Greece*

Personalized treatment for severe asthma

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

A targeted approach to asthma management

Elham Hossny *Pediatric Allergy and Immunology Unit, Children's Hospital, Ain Shams University, Cairo, Egypt*

Early life wheeze and the prediction of asthma

Saturday, October 20, 14:15 – 16:00

Radisson Blu Royal Moscow Hotel, Conference Hall

PLENARY SESSION

Chairmen: *Amalia Ayubova* *Nikolai Khaltayev*
Elham Hossny *Bryan Martin*

Bryan Martin *The Ohio State University in Columbus, Ozaño, CUA*

The microbiome: Does it affect asthma?

Nikolai Khaltayev *WHO/GARD Chair, Geneva, Switzerland*

Diet and chronic respiratory diseases—update



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Stelios Loukides *University of Athens Medical School, Attiko University Hospital, Athens, Greece*

Eosinophils for asthma and COPD: Similarities and differences

Huaxi Xu *Jiangsu University, Zhenjiang, China*

Exogenous ROR α enhances airway inflammation in ovalbumin-induced asthma model

Elham Hossny *Pediatric Allergy and Immunology Unit, Children's Hospital, Ain Shams University, Cairo, Egypt*

Respiratory food allergy

Saturday, October 20, 16:00 – 16:40

Radisson Blu Royal Moscow Hotel, Conference Hall

KEYNOTE LECTURE

Moderators: *Lyudmila Gankovskaya
Revaz Sepiashvili*

Firuz Garib *Russian Medical Academy for Continuous professional education, Moscow, Russia*

Unique mechanisms of immune evasion. War and Peace with pathogens



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Saturday, October 20, 16:45 – 18:15

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PLENARY SESSION

Chairmen: *Lyudmila Gankovskaya*
Irina Nesterova
Boris Pinegin
Tatiana Slavyanskaya

Lyudmila Gankovskaya *N.I. Pirogov Russian National Research Medical University, Moscow, Russia*

Universal mechanisms of immune mediated diseases

Boris Pinegin, M.V. Pashchenkov *Institute of Immunology, Moscow, Russia*

The role of reactive oxygen species in the functional activity of immune cells under normal and pathological conditions

Irina Nesterova *Peoples' Friendship University of Russia (RUDN University), Moscow, Russia*

Neutrophil granulocytes: various roles in the immunopathogenesis of bacterial and viral infections, allergy, autoimmunity and cancer

Svetlana Salnikova *Peoples' Friendship University of Russia (RUDN University), Clinical Hospital # 1 уа Presidential Affairs Dept, Moscow, Russia*

The evolution in treatment of urothelial cancer: from traditional methods to personalized medicine



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INTERNATIONAL YOUTH OLYMPIAD IN ALLERGOLOGY & IMMUNOLGY

Chairmen: *Amalia Ayubova*
Roman Khanferyan
Dmitry Novikov
Oksana Svitich

A.V. Vitchuk *Smolensk State Medical University, Smolensk, Russia*

Development of criteria for inclusion of vitamin D in complex therapy of patients with chronic spontaneous urticaria based on a study of vitamin D metabolism

Levan Chelidze *Tbilisi State Medical University, M. Iashvili Central Pediatric Hospital, Tbilisi Georgia, Tskhaltubo Scientific Research Institute of Allergy, Asthma and Clinical Immunology Immunology, Tskhaltubo, Georgia*

Allergic Rhinitis, Bronchial Asthma, Atopic Dermatitis in Children's Population

N.S. Aliakhnovich *Vitebsk State Medical University, Vitebsk, Belarus*

Effects of titanium dioxide nanoparticles on immune response and food allergy development

E. Bystritskaia *I.M. Sechenov First Moscow State Medical University; I.I. Mechnikov Research Institute for Vaccines and Sera, Russia*

Epigenetics of innate immune receptors and their role in bronchial asthma.

I.V. Ageeva *I.M. Sechenov First Moscow State Medical University, Moscow, Russia*

Analysis of TLR9-induced expression of cytokines TGF- β and TNF- α in different asthma phenotypes

Singh Akshay *New Vision University, Tbilisi, Georgia*

Stratification and treatment of non type – 2 severe asthma



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Sunday, October 21, 10:00 – 11:30

Radisson Blu Royal Moscow Hotel, Conference Hall

SYMPOSIUM

Chairmen: ***Irina Balmasova***
Valery Chereshnev
Oleg Kalyuzhin
Irina Nesterova

Valery Chereshnev, B.G. Yushkov, M.V. Chereshneva, T.V. Gavrilova *Yekaterinburg, Perm, Russia*

Immunopathophysiology of inflammation

Irina Balmasova *Peoples' Friendship University of Russia (RUDN University), Moscow, Russia*

Lymphocytes of innate immunity

Irina Nesterova *Peoples' Friendship University of Russia (RUDN University), Moscow, Russia*

Atypical chronic active EBV herpes viral infection: Clinical features, combined diagnostics, interferon- and immunotherapy

Oleg Kalyuzhin *I.M. Sechenov First Moscow State Medical University, Moscow, Russia*

Clinical and immunomodulating efficacy of the composition of muramyl peptides, including the residue of meso-diaminopimelic acid, in chronic pyoderma



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Sunday, October 21, 12:00 – 12:45

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KEYNOTE LECTURE

Moderators: *Revaz Sepiashvili*
Tatiana Slavyanskaya
Oksana Svitich

Valery Chereshnev *Yekaterinburg, Perm, Russia*

Elie Metchnikoff and Paul Ehrlich: Nobel Prize for the theories of immunity

Sunday, October 21, 12:45 – 14:00

Radisson Blu Royal Moscow Hotel, Conference Hall

SYMPOSIUM

Chairmen: *Amalia Ayubova*
Raisa Meshkova
Oksana Svitich
Nataliya Tataurshchikova

Oksana Svitich *I.I. Mechnikov Research Institute for Vaccines and Sera, Moscow, Russia*

The role of molecular mechanisms of innate immunity in the pathogenesis of bronchial asthma

O.V. Ishchenko, D.K. Novikov, T.G. Yupatova *Vitebsk State Medical University, Vitebsk, Belarus*

Immunopathogenesis of chronic obstructive lung disease

Roman Khanferyan *Peoples' Friendship University of Russia (RUDN University), Moscow, Russia*

New targets for allergy treatment



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Raisa Meshkova, N.V. Kovrigina *Smolensk State Medical University, Smolensk, Russia*

Cold urticaria phenotypes and their clinical features

Nataliya Tataurshchikova *Peoples' Friendship University of Russia (RUDN University), Moscow, Russia*

Effective biomarkers in evaluating the phenotypes of allergic rhinitis

N.N. Hajiyeva, A.A. Eyubova, N.F. Panahova *Azerbaijan Medical University, Baku, Azerbaijan*

Early diagnosis and prognosis of atopic dermatitis in newborns

Sunday, October 21, 15:00 – 17:00

Radisson Blu Royal Moscow Hotel, Conference Hall

СИМПОЗИУМ

Chairmen: *Lyudmila Gankovskaya
Firuz Garib
Tatiana Slavyanskaya
Oksana Svitich*

A.B. Filina *I.I. Mechnikov Research Institute of Vaccines and Sera; M.F. Vladimirsky Moscow Regional Research Clinical Institute, Moscow, Russia*

Study of TLR ligand and CXCL12 influence on the cancer cell migration

M.V. Stegantseva *Belarussian Research Center for Pediatric Oncology, Hematology and Immunology, Minsk, Belarus*

Immunological efficacy of DNA vaccination against neuroblastoma based on the PHOX2B gene in combination with polyethyleneimine and *Salmonella enterica*

I. Yankelevich *Saint Petersburg State Chemical Pharmaceutical University (SPCPU); Institute of Experimental Medicine, Saint-Petersburg, Russia*

Molecular factors of innate immunity in the regulation of neuroendocrine and immune reactions under the stress condition



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V.N. Pavlenko *Kuban State Medical University, Krasnodar, Russia*

The differentiated effects of recombinant IFN α 2b on the membrane expression of CD16, CD66b, CD33, CD11b of non-transformed and experimentally transformed in vitro neutrophilic granulocytes of healthy children

E.D. Djumaniyazova *Peoples' Friendship University of Russia (RUDN University), Moscow, Russia*

Antigen and molecular-genetic markers of diagnostics and prognostication of urothelial cancer

O.A. Voloshan *Astrakhan State Medical University, Astrakhan, Russia*

Aptamers are analogues of monoclonal antibodies

O.B. Mironova *Kazan State Medical University, Kazan, Russia*

Analysis of homozygous nonsense-mutations in ZNF341 gene among people, who suffer from autosomal-recessive form of hyper-IgE-syndrome, and their role in control of STAT3 gene expression

K.F. Dzhaferov *I.I. Mechnikov Research Institute for Vaccines and Sera;*

I.M. Sechenov First Moscow State Medical University, Moscow, Russia

Association of TLR9 expression with complications after allogeneic kidney transplantation

Sunday, October 21, 17:00 – 18:00

Radisson Blu Royal Moscow Hotel, Conference Hall

HANDLING OF AWARDS TO THE WINNERS OF THE FIRST INTERNATIONAL YOUTH OLYMPIAD IN ALLERGOLOGY AND IMMUNOLOGY

Chairmen: *Lyudmila Gankovskaya*

Firuz Garib

Revaz Sepiashvili

Tatiana Slavyanskaya