

# XII WORLD ASTHMA, ALLERGY & COPD FORUM

*Saint Petersburg, Russia*

*June 29–July 2, 2019*

SAINT PETERSBURG



# PROGRAM



# World Immunopathology Organization (WIPO)

## General Information

The World Immunopathology Organization (WIPO) is a professional, non-profit organization. WIPO was created in December 2002, at the I World Congress on Immunopathology in Singapore. During these years, WIPO successfully organized many international congresses and regional and national meetings throughout the world all promoting basic and clinical research and giving an opportunity for exchanging ideas. WIPO is aimed at collecting and disseminating scientific information and providing training and continuous education in various fields of immunopathology.

## Aims and Mission

Nowadays, immunopathology has become a multidisciplinary problem. The WIPO global mission is to *promote* through education and research activities worldwide:

- basic and clinical research in experimental and clinical immunology, allergy and asthma, autoimmunity, immunodeficiency, AIDS, immunobiotechnology,
- prevention and treatment of different manifestations of immunopathology—immune-associated disorders,
- excellence in patient care in this very important area of medicine

and to establish communication between specialists in various fields of medical science and practice.

We encourage to join WIPO national and regional societies as well as individual members—doctors and researchers involved in various areas of modern medical research and clinical practice who deal in their everyday practice with any kind of immunopathology.

## WIPO Sections

- |                       |                       |
|-----------------------|-----------------------|
| ◆ Allergy and Asthma  | ◆ Dermatology         |
| ◆ Basic Immunology    | ◆ Pediatrics          |
| ◆ Clinical Immunology | ◆ ENT                 |
| ◆ Autoimmunity        | ◆ Immunobiotechnology |
| ◆ AIDS                | ◆ Junior Members      |

## Benefits of WIPO Membership

- ◆ Up to 20% discount on registration fees at all WIPO congresses and other activities
- ◆ Subscription to the official WIPO Journal
- ◆ Full voting rights
- ◆ Eligibility for election to the WIPO Executive Committee and Steering Board Sections
- ◆ Travel Grants for WIPO congresses and other activities
- ◆ WIPO Membership Certificate

## Future WIPO Congresses

July 2–5, 2020, St Petersburg, Russia

XIII WORLD ASTHMA, ALLERGY & COPD FORUM

May 5–8, 2021, Tbilisi, Georgia

VI EUROPEAN CONGRESS ON ASTHMA & COPD

## World Immunopathology Organization (WIPO)

Phone: (+7-495) 735-1414; Fax: (+7-495) 735-1441

E-mail: [info@wipocis.org](mailto:info@wipocis.org) Web site: [www.wipocis.org](http://www.wipocis.org)



## GENERAL INFORMATION

### CONGRESS VENUE

The **Park Inn Pribaltiyskaya Hotel** is the Headquarters of the XII World Asthma, Allergy & COPD Forum and the II International Conference on Molecular Allergology.

### DATES

June 29 – July 2, 2019

### LANGUAGE

The official languages of the meeting are English and Russian.

### REGISTRATION

The registration desk will open in the **Park Inn Pribaltiyskaya Hotel**:

June 29, 14:00 – 19:00

June 30, 09:00 – 16:00

July 1, 10:00 – 16:00

July 2, 10:00 – 14:00

### 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. Admission to World Allergy Training School (WATS) by name badges only.

### OPENING CEREMONY

The Opening Ceremony of the XII World Asthma, Allergy & COPD Forum and the II International Conference on Molecular Allergology will be held in the Congress Hall #4+5 (2<sup>nd</sup> Floor) of the **Park Inn Pribaltiyskaya Hotel**, on June 30, at 12:00. Admission by name badges.

### ORAL PRESENTATIONS

Oral presentations last up to 20 min in plenary sessions and symposia. Keynote and memorial lectures last up to 40 min including questions.

### 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 June 30 – July 1. The poster size is 75×120 cm.

Presenters are requested to attend their poster site during coffee breaks.

### CME CREDITS

The XII World Asthma, Allergy & COPD Forum and the II International Conference on Molecular Allergology—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 Asthma, Allergy & COPD Forum and the II International Conference on Molecular Allergology will be accredited by EBAP for 18 European CME credits covering the whole program.





## PROGRAM AT A GLANCE

### SATURDAY, JUNE 29

14:00 – 19:00 **Registration Desk Open**  
(Park Inn Pribaltiyskaya Hotel, Lobby)

### SUNDAY, JUNE 30

09:00 – 16:00 **Registration Desk Open** (Park Inn Pribaltiyskaya Hotel, 2<sup>nd</sup> floor)

09:00 – 11:30 **WORLD ALLERGY TRAINING SCHOOL (WATS)** (Congress Hall 4+5, 2<sup>nd</sup> floor)  
**MODERATORS:** Dana Wallace, Zeinab Awad, Manana Chikhladze, Bryan Martin, Revaz Sepiashvili, David Stukus

11:30 – 12:00 **COFFEE BREAK**

12:00 – 12:30 **OPENING CEREMONY** (Congress Hall 4+5, 2<sup>nd</sup> floor)  
**CHAIRMEN:** Revaz Sepiashvili, Dana Wallace, Bryan Martin, Sami Bahna, David Stukus

12:30 – 13:10 **ALAIN DE WECK HONORARY LECTURE** (Congress Hall 4+5, 2<sup>nd</sup> floor)  
**MODERATORS:** Sami Bahna, Revaz Sepiashvili  
**LECTURER:** Kian Fan Chung

13:10 – 13:50 **LEONARD NOON AND JOHN FREEMAN HONORARY LECTURE** (Congress Hall 4+5, 2<sup>nd</sup> floor)  
**MODERATORS:** Bryan Martin, Dana Wallace  
**LECTURER:** Sami Bahna

13:50 – 14:20 **CLEMENS VON PIRQUET HONORARY LECTURE** (Congress Hall 4+5, 2<sup>nd</sup> floor)  
**MODERATORS:** Manana Chikhladze, Rudolf Valenta  
**LECTURER:** Bryan Martin

14:20 -15:15 **LUNCH TIME**

15:15 – 17:45 **PLENARY SESSION** (Congress Hall 4+5, 2<sup>nd</sup> floor)  
**CHAIRMEN:** Kian Fan Chung, Bryan Martin, Revaz Sepiashvili

10:00 – 17:00 **POSTER SESSION** (Congress Hall 4+5, 2<sup>nd</sup> floor)  
**MODERATORS:** Darejan Khachapuridze, Kamal Maurice Hanna, Roman Khanferyan

**PRESIDENTIAL DINNER**  
(Busses will depart from the Park Inn Pribaltiyskaya Hotel at 18:00)  
*Admission by invitations only*



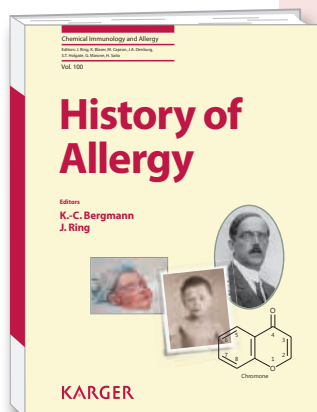
## MONDAY, JULY 1

- 09:00 – 16:00 **Registration Desk Open** (*Park Inn Pribaltiyskaya Hotel, 2<sup>nd</sup> floor*)
- 09:00 – 13:00 **WORLD ALLERGY TRAINING SCHOOL (WATS)** (*Congress Hall 1, 2<sup>nd</sup> floor*)  
**MODERATORS:** Dana Wallace, Zeinab Awad, Manana Chikhladze, Bryan Martin, Revaz Sepiashvili, David Stukus
- 10:00 – 12:00 **PLENARY SESSION** (*Congress Hall 4+5, 2<sup>nd</sup> floor*)  
**CHAIRMEN:** Todor Popov, David Stukus, Elias Toubi
- 12:00 – 12:30 **COFFEE BREAK**
- 12:30 – 14:30 **II INTERNATIONAL CONFERENCE ON MOLECULAR ALLERGOLOGY AND IMMUNOLOGY** (*Congress Hall 4+5, 2<sup>nd</sup> floor*)  
**MODERATORS:** Sergey Deyev, Paolo Matricardi, Revaz Sepiashvili, Rudolf Valenta  
**KEYNOTE LECTURE**  
**LECTURER:** Sergey Deyev  
**KIMISHIGE ISHIZAKA HONORARY LECTURE**  
**LECTURER:** Paolo Matricardi  
**WILLIAM FRANKLAND HONORARY LECTURE**  
**LECTURER:** Rudolf Valenta
- 14:30 -15:30 **LUNCH TIME**
- 15:30 – 16:00 **KEYNOTE LECTURE** (*Congress Hall 4+5, 2<sup>nd</sup> floor*)  
**MODERATORS:** David Stukus, Dana Wallace **LECTURER:** Giovanni Passalacqua
- 16:00 – 18:30 **PLENARY SESSION** (*Congress Hall 4+5, 2<sup>nd</sup> floor*)  
**CHAIRMEN:** Zeinab Awad, Manana Chikhladze, Kamal Maurice Hanna, Giovanni Passalacqua
- 10:00 – 17:00 **POSTER SESSION + Young Scientists' Competition** (*Congress Hall 4+5, 2<sup>nd</sup> floor*)  
**MODERATORS:** Nino Adamia, Luchia Andriesh, Manana Chikhladze, Roman Khanferyan

## TUESDAYS, JULY 2

- 09:00 – 16:00 **Registration Desk Open** (*Park Inn Pribaltiyskaya Hotel, 2<sup>nd</sup> floor*)
- 10:00 – 12:00 **SYMPOSIUM "ALLERGY, ASTHMA & COPD"** (*Congress Hall 4+5, 2<sup>nd</sup> floor*)  
**CHAIRMEN:** Irina Balmasova, Irina Nesterova
- 12:00 – 12:30 **COFFEE BREAK**
- 12:30 – 14:30 **SYMPOSIUM "IMMUNOMODULATING THERAPY IN CLINICAL PRACTICE"** (*Congress Hall 4+5, 2<sup>nd</sup> floor*)  
**CHAIRMEN:** Irina Balmasova, Darejan Khachapuridze, Roman Khanferyan, Irina Nesterova
- 10:00 – 15:00 **POSTER SESSION** (*Congress Hall 4+5, 2<sup>nd</sup> floor*)  
**MODERATORS:** Irina Balmasova, Derejan Khachapuridze, Elena Levkova
- 14:30 – 15:30 **LUNCH TIME**
- 15:30 – 16:30 **CLOSING CEREMONY** (*Congress Hall 4+5, 2<sup>nd</sup> floor*)  
**CHAIRMEN:** Revaz Sepiashvili, Sami Bahna, Dana Wallace, Bryan Martin

*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)  
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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



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

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**Saturday, June 29, 13:00 – 19:00**

***Park Inn Pribaltiyskaya Hotel  
Lobby***

**REGISTRATION DESK OPEN**

**Sunday, June 30, 9:00 – 16:00**

***Park Inn Pribaltiyskaya Hotel  
Foyer, 2<sup>nd</sup> Floor***

**REGISTRATION DESK OPEN**

**Sunday, June 30, 9:00 – 11:30**

***Park Inn Pribaltiyskaya Hotel  
Congress Hall 4+5, 2<sup>nd</sup> Floor***

## **WORLD ALLERGY TRAINING SCHOOL (WATS)**

***Sponsor:***

***World Allergy Organization (WAO)***

***Moderators:***

***Dana Wallace  
Zeinab Awad  
Manana Chikhladze  
Bryan Martin  
Revaz Sepiashvili  
David Stukus***

**09:00 – 09:15**

### **WELCOME AND OBJECTIVES OF THE WATS**

**Dana Wallace**

**09:15 – 10:00**

### **LECTURE 1**

**Dana Wallace**

**Allergy Skin Testing & Immunotherapy**

**10:00 – 10:45**

### **WORKSHOP 1. ALLERGY SKIN TESTING**

**Dana Wallace and Faculty**

**10:45 – 11:15**

### **LECTURE 2**

**Zeinab Awad**

**Asthma: Diagnosis & Management**

**11:15 – 11:45**

### **LECTURE 3**

**David Stukus**

**Drug Allergies**

**Sunday, June 30, 12:00 – 12:30**

***Park Inn Pribaltiyskaya Hotel  
Congress Hall 4+5, 2<sup>nd</sup> Floor***

**OPENING CEREMONY**

***Chairmen: Revaz Sepiashvili  
Dana Wallace  
Bryan Martin  
Sami Bahna  
David Stukus***



***Revaz Sepiashvili***

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



***Dana Wallace***

**ESP-WATS Committee Co-Chair  
World Allergy Organization (WAO)**



***Bryan Martin***

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



***Sami Bahna***

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



***David Stukus***

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





**Sunday, June 30, 12:30 – 13:10**

***Park Inn Pribaltiyskaya Hotel  
Congress Hall 4+5, 2<sup>nd</sup> Floor***

**Moderators:** ***Sami Bahna  
Revaz Sepiashvili***



## **ALAIN DE WECK HONORARY LECTURE**

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

*Towards defining endo-phenotypes of asthma*



**Sunday, June 30, 13:10– 13:50**

***Park Inn Pribaltiyskaya Hotel  
Congress Hall 4+5, 2<sup>nd</sup> Floor***

**Moderators:** ***Bryan Martin  
Dana Wallace***



## **LEONARD NOON and JOHN FREEMAN HONORARY LECTURE**

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



**Sunday, June 30, 13:50 – 14:20**

***Park Inn Pribaltiyskaya Hotel  
Congress Hall 4+5, 2<sup>nd</sup> Floor***

**Moderators:** ***Manana Chikhladze  
Rudolf Valenta***



## **CLEMENS VON PIRQUET HONORARY LECTURE**

**Bryan L. Martin** *The Ohio State University in Columbus, Ohio, USA*

*The human microbiome in allergy & immunology*





**Sunday, June 30, 15:15 – 17:45**

**Park Inn Pribaltiyskaya Hotel  
Congress Hall 4+5, 2<sup>nd</sup> Floor**

## PLENARY SESSION

**Chairmen:** **Kian Fan Chung**  
**Bryan Martin**  
**Revaz Sepiashvili**

**Kian Fan Chung** *Imperial College, London, UK; Faculty of Medicine, National Heart & Lung Institute*  
Personalised medicine for severe asthma

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

Should peanut be banned from schools?

**Bryan L. Martin** *The Ohio State University in Columbus, Ohio, USA*  
Asthma COPD overlap

**Rudolf Valenta** *Department of Pathophysiology and Allergy Research, Center of Pathophysiology, Infectiology & Immunology, Medical University Vienna, Austria*  
New aspects of birch pollen allergy

**Roman Khanferyan** *Peoples' Friendship University of Russia (RUDN University), Moscow, Russia*  
Immune effects of recombinant allergens modified by polymerization

**Sunday, June 30, 10.00 – 17.00**

**Park Inn Pribaltiyskaya Hotel  
Congress Hall 4+5, 2<sup>nd</sup> Floor**

## POSTER SESSION

**Moderators:** **Darejan Khachapuridze**  
**Kamal Maurice Hanna**  
**Roman Khanferyan**

**L. Perfetti, M. Carotenuto, G.M. Calcagno, C. Biale, A. Meriggi** *Allergy Department. Istituti Clinici Scientifici Maugeri. Istituto di Pavia, Italy*  
Bronchodilation tests with ipratropium-bromide vs salbutamol in asthmatic adults: Differences in response to cold as a trigger of asthma symptoms

**P. Sritipsukho** *Faculty of Medicine, Thammasat, University, Bangkok, Thailand*  
Association between cow's milk protein hypersensitization and vitamin D insufficiency in children suspected of cow's milk protein allergy

**D. Toumpanakis<sup>1</sup>, V. Vassilakopoulou<sup>1</sup>, E. Mizi<sup>1</sup>, A. Chatzianastasiou<sup>1</sup>, K. Pantopoulos<sup>2</sup>, T. Vassilakopoulos<sup>1,3</sup>** *<sup>1</sup>"Marianthi Simou" Applied Biomedical Research and Training Center, Medical School, University of Athens, Greece; <sup>2</sup>Department of Medicine, Division of Experimental Medicine, McGill*



University, Montreal, Canada; <sup>3</sup>3rd Department of Critical Care Medicine, Evgenideio Hospital, University of Athens, Greece

The role of iron-responsive element-binding protein <sup>2</sup> (IRP<sup>2</sup>) in resistive breathing-induced pulmonary inflammation

**M. Chikhladze, S. Gamkrelidze, D. Kachapuridze, R. Sepiashvili** Peoples' Friendship University of Russia (RUDN University), Moscow, Russia; National Institute of Allergology, Asthma and Clinical Immunology, National Academy of Sciences of Georgia, Tskaltubo, Georgia; Akaki Tsereteli State University Kutaisi, Georgia

Vitamin D and Immune system

**N.A. Ryabchikova, B.Kh. Baziyan** Skolkovo Institute of Science and Technology, Moscow, Russia

Probabilistic prognosis in human cognitive functions on problematic situations

**M.G. Maglaperidze, T.A Slavyanskaya., E.A. Batkaev** Peoples' Friendship University of Russia (RUDN University), Moscow, Russia

The role of Streptococcal infection in the immune pathogenesis of psoriasis

**N.V. Novikova, N.I. Kolganova** Scandinavia Health Center, Peoples' Friendship University of Russia (RUDN University), Moscow, Russia

New approach to the treatment of insect allergy

**L.P. Andriesh, D.V. Barba, T.G. Tsurkanu, V.K. Sakara, O.V. Yarmalyuk, L. Tanase** N. Testemitanu State University of Medicine and Pharmacy, Chisinau, Moldova

Criteria for the diagnosis of primary immunodeficiency at the level of family doctors center

**T.A. Slavyanskaya** Peoples' Friendship University of Russia (RUDN University), Moscow, Russia

Cancer checkpoint blockade

**I.V. Khachatryan, M.Z. Narimanyan** Yerevan State Medical University, Yerevan, Armenia

The efficacy of roflumilast in the treatment of COPD in the second stage

**E.A. Levkova, S.Z. Savin, L.A. Dilanyan** Peoples' Friendship University of Russia (RUDN University), Institute of Immunophysiology, Moscow, Russia

Effect of cell and humoral sensitization on pregnancy outcomes

**N.V. Batkaeva<sup>1</sup>, T.V. Korotaeva<sup>2</sup>, E. A. Batkaev<sup>1</sup>, M.M. Gitinova<sup>1</sup>, L.V. Gankovskaya<sup>3</sup>** <sup>1</sup>Peoples' Friendship University of Russia (RUDN University), Department of Dermatology; <sup>2</sup>V.A. Nasonova Research Institute; <sup>3</sup>N. Pirogov Russian National Research Medical University, Moscow, Russia

Depression of the immune response - the cause of the development of psoriatic arthritis in smoking patients with psoriasis with severe plaque psoriasis

**N.V. Batkaeva<sup>1</sup>, E.A. Batkaev<sup>1</sup>, M.M. Gitinova<sup>1</sup>, T.V. Korotaeva<sup>2</sup>** <sup>1</sup>Peoples' Friendship University of Russia (RUDN University), Moscow, Russia. <sup>2</sup>Research Institute of Rheumatology n. a. V. A. Nasonova, Moscow, Russia

Correlation of indicators of systemic inflammation and liver function with the severity of skin disease in patients with severe forms of psoriasis

**G.A. Chudilova<sup>1</sup>, I.V. Nesterova<sup>1,2</sup>, V.A. Tarakanov<sup>1</sup>, N.K. Barova<sup>1</sup>, T.V. Rusinova<sup>1</sup>, S.V. Kovaleva<sup>1</sup>, L.V. Lomtatzidze<sup>1</sup>, A.A. Evglevsky<sup>1</sup>** <sup>1</sup>Kuban State Medical University, Krasnodar, Russia; <sup>2</sup>Peoples' Friendship University of Russia (RUDN University), Moscow, Russia

Neutrophilic granulocytes phagocytic activity and dynamics of neutrophil extracellular networks formation in wound exudates in children with small purulent infection

**M.N. Mitropanova, G.A. Chudilova** Kuban State Medical University, Krasnodar, Russia

Mucosal immunity features of oral cavity associated with various microflora in children of different ages with congenital clefts of the lip and palate



**Monday, July 1, 9:00 – 13:00**

**Park Inn Pribaltiyskaya Hotel**

**Congress Hall 1, 2<sup>nd</sup> Floor**

## **WORLD ALLERGY TRAINING SCHOOL WATS)**

**Sponsor:** *World Allergy Organization (WAO)*

**Moderators:** *Dana Wallace  
Zeinab Awad  
Manana Chikhladze  
Bryan Martin  
Revaz Sepiashvili  
David Stukus*

09:00– 09:45	<b>LECTURE 4</b> <b>Bryan Martin</b> Skin Allergies: Atopic Dermatitis, Chronic Urticaria, & Contact Dermatitis
09:45 – 10:15	<b>WORKSHOP 2. PATCH TESTING AND WET WRAPS WORKSHOP</b> <b>Bryan Martin</b>
10:15 – 10:45	<b>LECTURE 5</b> <b>David Stukus</b> Allergic Rhinitis
10:45 – 11:15	<b>LECTURE 6</b> <b>Zeinab Awad</b> Food Allergy and Anaphylaxis
11:15 – 11:30:	<b>WORKSHOP 3. Anaphylaxis: Auto-Injector Demonstration</b> <b>Zeinab Awad</b>
11:30 – 12:00	<b>QUESTIONS &amp; ANSWERS</b> <b>All Faculty</b>
12:00– 12:15	<b>CONCLUSION</b>



**Monday, July 1, 10:00 – 12:00**

**Park Inn Pribaltiyskaya Hotel**

**Congress Hall 4+5, 2<sup>nd</sup> Floor**

## **PLENARY SESSION**

**Chairmen:**

**Todor Popov**

**David Stukus**

**Elias Toubi**

**Todor A. Popov** *University Hospital “Sv. Ivan Rilski”, Sofia, Bulgaria*

Evolution of allergic rhinitis management: a spiral of sophistication

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

Anaphylaxis: Phenotypes and endotypes

**Elias Toubi** *Faculty of Medicine, Technion, Haifa, Israel*

Semaphorin 3A is highly beneficial in treating bronchial asthma: reducing both inflammation and angiogenesis

**Todor A. Popov** *University Hospital “Sv. Ivan Rilski”, Sofia, Bulgaria*

Objective measures of airway assessment and monitoring

**Elias Toubi** *Faculty of Medicine, Technion, Haifa, Israel*

Seasonal exacerbation of asthma is frequently associated with recurrent episodes of acute urticarial







## II INTERNATIONAL CONFERENCE ON MOLECULAR ALLERGOLOGY AND IMMUNOLOGY

**Monday, July 1, 12:30 – 14:30**

***Park Inn Pribaltiyskaya Hotel  
Congress Hall 4+5, 2<sup>nd</sup> Floor***

**Moderators:** *Sergey Deyev  
Paolo Matricardi  
Revaz Sepiashvili  
Rudolf Valenta*

### KEYNOTE LECTURE

**Sergey Deyev** *Shemyakin & Ovchinnikov Institute of Bioorganic Chemistry, Russian Academy of Sciences, Moscow, Russia*

*“The Whole is Greater than the Sum of its Parts”: Hybrid nanostructures for nanotheranostics*



### KIMISHIGE ISHIZAKA HONORARY LECTURE

**Paolo Matricardi** *Department of Pediatrics, Molecular Allergology and Immunomodulation working group, Germany*

*Combining mobile health and molecular allergology for allergen immunotherapy*



### WILLIAM FRANKLAND HONORARY LECTURE

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

*From molecular diagnosis to treatment and prevention of house dust mite allergy*





**Monday, July 1, 15:30 – 16:00**

**Park Inn Pribaltiyskaya Hotel  
Congress Hall 4+5, 2<sup>nd</sup> Floor**

**Moderators:** **David Stukus**  
**Dana Wallace**

## KEYNOTE LECTURE

**Giovanni Passalacqua** *Allergy and Respiratory Diseases Dept, Specialty School in Respiratory Diseases, University of Genoa, Italy*  
Allergen immunotherapy: looking forward



**Monday, July 1, 16:00 – 18:30**

**Park Inn Pribaltiyskaya Hotel  
Congress Hall 4+5, 2<sup>nd</sup> Floor**

## PLENARY SESSION

**Moderators:** **Zeinab Awad**  
**Manana Chikhladze**  
**Kamal Maurice Hanna**  
**Giovanni Passalacqua**

**Giovanni Passalacqua** *Allergy and Respiratory Diseases Dept, Specialty School in Respiratory Diseases, University of Genoa, Italy*  
Biologicals for severe asthma in real life

**Kamal Maurice Hanna** *Faculty of Medicine, Cairo University, Cairo, Egypt*  
Biomarkers and biologics for asthma management

**David Stukus** *Nationwide Children's Hospital and The Ohio State University College of Medicine, Columbus, Ohio, USA*  
Strategies for prevention of food allergy development

**Zeinab Awad** *Cairo, Egypt*  
Food allergy and anaphylaxis

**David Stukus** *Nationwide Children's Hospital and The Ohio State University College of Medicine, Columbus, Ohio, USA*  
Management of the nut allergic individual: it's not one size fits all

**Roman Khanferyan** *Peoples' Friendship University of Russia, Moscow, Russia*  
Differences in the production of cytokine / chemokine and growth factors by mononuclear and dendritic cells



**Monday, July 1, 10.00 – 17.00**

**Park Inn Pribaltiyskaya Hotel**

**Congress Hall 4+5, 2<sup>nd</sup> Floor**

## POSTER SESSION

**Moderators:**

**Nino Adamia**

**Luchia Andriesh**

**Manana Chikhladze**

**Roman Khanferyan**

**L.V. Lipatova<sup>1</sup>, T. V. Kapustina<sup>2</sup>, N. Sivakova<sup>2</sup>** <sup>1</sup>Almazov National Medical Research Centre, Saint-Petersburg, Russia; <sup>2</sup>V.M. Bekhterev National Medical Research Centre of Psychiatry and Neurology, Saint-Petersburg, Russia

Immunobiochemical markers of depressive disorders in patients with epilepsy from the position of neuroplasticity

**Daria Harina** Peoples' Friendship University of Russia (RUDN University), Moscow, Russia

Application of discrete-dynamic analysis in assessing the effectiveness of two-stage immunorehabilitation of children with recurrent respiratory infections

**S.V. Guryanova** Shemyakin & Ovchinnikov Institute of Bioorganic Chemistry, Russian Academy of Sciences; Peoples' Friendship University of Russia (RUDN University), Moscow, Russia

Innovative approaches to correct cytopenia

**E.D. Guseva, R.M. Fajzullina, E.E. Saveljeva, I.R. Kalanova** Bashkir State Medical University. Ufa, Russia

Indicators of serum immunoglobulin E and eosinophils in children with allergic and infectious rhinitis

**E.O. Khalturina<sup>1</sup>, A.S. Ter-Levonian<sup>1</sup>** <sup>1</sup>I. M. Sechenov First Moscow State Medical University (Sechenov University), Moscow, Russia

Chronic atypical mixed herpesvirus infection: Association with autoimmune syndrome

**N.N. Sannikava** Soligorsk CRH, Soligorsk, Belarus

Allergic rhinitis polysensitization

**S.V. Kovaleva<sup>1</sup>, I.V. Nesterova<sup>1,2</sup>, G.A. Chudilova<sup>1</sup>, L.V. Lomtididze<sup>1</sup>, V.A. Krutova<sup>1</sup>, I.E. Aslanyan<sup>1</sup>, A.I. Tulendina<sup>1</sup>, V.V. Malinovskaya<sup>3</sup>** <sup>1</sup>Kuban State Medical University, Krasnodar; <sup>2</sup>Peoples' Friendship University of Russia (RUDN University), Moscow; <sup>3</sup>N.F. Gamaleya Federal State Research Center of Epidemiology and Microbiology, Moscow, Russia

Target immunotherapy in immunocompromised children with comorbid diseases

**N.S. Tataurshchikova** Peoples' Friendship University of Russia (RUDN University), Moscow, Russia

Cytokine profile specifics among patients, suffering from allergic rhinitis and comorbid pathology

## YOUNG SCIENTISTS' COMPETITION

**D.O. Bazhenov, V.A. Mikhailova, U.A. Ivanova, S.A. Selkov, D.I. Sokolov** D.O. Ott Research Institute of Obstetrics, Gynecology and Reproductology, Saint Petersburg, Russia

The effect of placental secretory factors on NK cell function and phenotype

**M.E. Berezkina<sup>1</sup>, E.P. Alexandrova<sup>1</sup>, A.D. Shcherbitskaya<sup>2</sup>, O.A. Balabas<sup>3</sup>, A.V. Korenevsky<sup>1</sup>, D.I. Sokolov<sup>1</sup>, S.A. Selkov<sup>1</sup>** <sup>1</sup>D.O. Ott Research Institute of Obstetrics, Gynecology, and Reproductive Medicine, St. Petersburg, Russia; <sup>2</sup>Sechenov Institute of Evolutionary Physiology and Biochemistry of the Russian



Academy of Sciences, St. Petersburg, Russia; <sup>3</sup> Resource Center “Methods of the Substance Composition Analysis,” St. Petersburg State University, St. Petersburg, Russia

Proteomic profiling of natural killer NK-92 lysate fractions and microvesicles produced by them

**A.N. Gornostaeva, P.I. Bobyleva, E.R. Andreeva, L.B. Buravkova** *Institute of Biomedical Problems, Russian Academy of Sciences, Moscow, Russia*

Experimental approaches to improve the immunosuppressive function of multipotent mesenchymal stromal cells in vitro

**O.A. Namakanova, E.O. Gubernatorova, M.S. Drutskaya, S.A. Nedospasov** *Engelhardt Institute of Molecular Biology, Russian Academy of Sciences, Moscow, Russia*

The effects of pharmacological inhibition of pro-inflammatory cytokines in the pathogenesis of experimental of HDM-induced asthma model in mice





**Tuesday, July 2, 10.00 – 12:00**

**Park Inn Pribaltiyskaya Hotel**

**Congress Hall 4+5, 2<sup>nd</sup> Floor**

## **SYMPOSIUM “ASTHMA, ALLERGY AND COPD”**

**Chairmen:** **Irina Balmasova**  
**Irina Nesterova**

**Irina P. Balmasova, E.S. Malova, E.P. Efratova, R.I. Sepiashvili** *Peoples' Friendship University of Russia, Moscow, Russia*

Features of the immune response to co-infection with human immunodeficiency virus and hepatitis C virus

**Irina V. Nesterova<sup>1</sup>, E.O. Khalturina<sup>2</sup>, V.V. Malinovskaya<sup>3</sup>** *<sup>1</sup>Peoples' Friendship University of Russia (RUDN University); <sup>2</sup>M. Sechenov First Moscow State Medical University (Sechenov University); <sup>3</sup>N.F. Gamaleya Federal Research Center of Epidemiology and Microbiology, Moscow, Russia*

Postviral syndrome of chronic fatigue and immune dysfunction associated with amnesic mild cognitive impairment syndrome

**Anna Konishcheva, V. Gervazieva, S. Shodova** *Mechnikov Research Institute for Vaccines and Sera, Moscow, Russia*

Persistent gamma-herpesvirus infection and immunophenotype of regulatory cells in patients with bronchial asthma

**Lyudmila P. Sizyakina, I.I. Andreeva, D.I. Danilova** *Rostov State Medical University, Rostov-on-Don, Russia*

Dysregulatory mechanisms of the relationship between the humoral and cellular immune response in primary agammaglobulinemia

**Abdellah Hamed Khalil Ali<sup>1</sup>, Aida Abdeen Mahmoud<sup>2</sup>** *<sup>1</sup>Department of Respiratory Medicine, Sohag Faculty of Medicine, Sohag University, Egypt. <sup>2</sup>Department of Biochemistry, Faculty of Medicine, Sohag University, Egypt*

Metabolic characteristics of patients with chronic obstructive pulmonary disease and asthma

**Wenting Luo, Zehong Wu, Baoqing Sun** *Guangzhou Institute of Respiratory Health, State Key Laboratory of Respiratory Disease, National Clinical Research Center for Respiratory Disease Respiratory, Department of Allergy and Clinical Immunology, The First Affiliated Hospital of Guangzhou Medical University, Guangzhou, China*

Cross-reactive carbohydrate determinant (CCD) inhibition test can help identify false positive for plant allergen sIgE caused by CCD

**Wenting Luo, Zehong Wu, Baoqing Sun** *Guangzhou Institute of Respiratory Health, State Key Laboratory of Respiratory Disease, National Clinical Research Center for Respiratory Disease Respiratory, Department of Allergy and Clinical Immunology, The First Affiliated Hospital of Guangzhou Medical University, Guangzhou, China*

Study of fungal allergen and *Aspergillus fumigatus* component sensitization in a Southern Chinese Cohort





**Tuesday, July 2, 12:30 – 14:30**

**Park Inn Pribaltiyskaya Hotel**

**Congress Hall 4+5, 2<sup>nd</sup> Floor**

## **SYMPOSIUM “IMMUNOMODULATING THERAPY IN CLINICAL PRACTICE”**

**Chairmen:**

**Irina Balmasova**

**Darejan Khachapuridze**

**Roman Khanferyan**

**Irina Nesterova**

**Irina Balmasova** Peoples' Friendship University of Russia (RUDN University), Moscow, Russia  
Rational design of immunotargeted preparations

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

**Roman Khanferyan, L. Gevorkyan** Peoples' Friendship University of Russia (RUDN University), Moscow, Russia  
A key role of cytokine synthesis in obese patients with psoriasis

**Elena Levkova** Peoples' Friendship University of Russia (RUDN University), Moscow, Russia  
Features of immunorehabilitation in pediatric practice

**Tuesday, July 2, 10:00 – 15:00**

**Park Inn Pribaltiyskaya Hotel**

**Congress Hall 4+5, 2<sup>nd</sup> Floor**

## **POSTER SESSION**

**Moderators:**

**Irina Balmasova**

**Darejan Khachapuridze**

**Elena Levkova**

**A.V. Aleksandrov<sup>1,2</sup>, I.V. Cherkashina<sup>3</sup>, N.V. Aleksandrova<sup>1</sup>, E.E. Mozgovaya<sup>1</sup>, V.K. Degtiarev<sup>3</sup>, N.I. Emelianov<sup>2</sup>, M.V. Nikitin<sup>3</sup>** <sup>1</sup>A.B. Zborovsky Research Institute of Clinical and Experimental Rheumatology, Volgograd; <sup>2</sup>Volgograd State Medical University, Volgograd; <sup>3</sup>Sanatorium-resort complex "Vulan" - Branch of the National Medical Research Center for Rehabilitation and Balneology, Gelendjik, Russia

Application of the method of personalized physiotherapy in the rehabilitation of patients with rheumatoid arthritis in combination with osteoporosis

**A.A. Prisnyi** Federal Research Center – K.I. Scriabin and Ya.R. Kovalenko All-Russian Research Institute of Experimental Veterinary Medicine, Russian Academy of Sciences, Belgorod, Russia  
Compensatory-adaptive reactions of invertebrate's phagocytic immune cells

**A.A. Prisnyi, A.A. Moiseeva** Federal Research Center – K.I. Scriabin and Ya.R. Kovalenko All-Russian Research Institute of Experimental Veterinary Medicine, Russian Academy of Sciences, Belgorod, Russia  
The effect of ciprofloxacin on the lymphocytes concentration in circulating blood

**I.A. Fedorov, O.G. Rybakova** South-Ural State Medical University, Chelyabinsk, Russia  
Early diagnosis of bronchial asthma in children



**I.M. Bykov, D.A. Lyubchenko, K.A. Popov, I.Y. Tsymbalyuk** *Kuban State Medical University, Krasnodar, Russia*

Study in balance of prooxidant-antioxidative system in patients suffering from drug addiction

**K.A. Popov, I.M. Bykov, I.Y. Tsymbalyuk, R.I. Sepiashvili** *Kuban State Medical University, Krasnodar; Peoples' Friendship University of Russia, Moscow, Russia*

Dynamics in indices of the system of antioxidant protection of blood against the background of the ischemic reperfusion of a kidney

**M.F. Ivanov, A.V. Zhestkov, A.A. Suzdalcev, L.L. Popova, I.P. Balmasova** *Samara State Medical University, Samara; Peoples' Friendship University of Russia (RUDN University), Moscow, Russia*

Immunopathogenesis of hemorrhagic fever with renal syndrome in the dynamics of the infectious process

**N.I. Bykova, R.I. Sepiashvili, S.V. Sirak** *Kuban State Medical University, Krasnodar; Peoples' Friendship University of Russia (RUDN University), Moscow; Stavropol State Medical University, Stavropol, Russia*

Differentiated therapy for periodontitis of various severity level by means of immune response modifiers and osteotropic remedies

**N.I. Bykova, R.I. Sepiashvili, S.V. Sirak** *Kuban State Medical University, Krasnodar; Peoples' Friendship University of Russia (RUDN University), Moscow; Stavropol State Medical University, Stavropol, Russia*

Experimental evaluation of effectiveness of complex therapy for periodontitis of various severity level by means of immune response modifiers accompanied by glucosamine hydrochloride and chondroitin sulfate

**N.N. Sannikava** *Soligorsk CRH Soligorsk, Belarus*

Allergic rhinitis polysensitization

**N.V. Aleksandrova<sup>1</sup>, V.A. Aleksandrov<sup>1,2</sup>, N.V. Nikitina<sup>3</sup>, I.Yu. Alekhina<sup>3</sup>, M.V. Levkina<sup>2</sup>, E.G. Korenskaya<sup>2</sup>, A.V. Aleksandrov<sup>1,2</sup>**

<sup>1</sup>A.B. Zborovsky Research Institute of Clinical and Experimental Rheumatology;

<sup>2</sup>Volgograd State Medical University, the Department of Hospital Therapy, Volgograd; <sup>3</sup>Stavropol State Medical University, Stavropol, Russia

Possibilities of non-invasive diagnostics of cardiovascular system damage in patients with rheumatoid arthritis using immunological markers in connection with visualization methods

**S.S. Gambarov, S.S. Harutyunyan, Z.G. Kalikyan, S.Kh. Grigoryan, A.S. Zakharyan** *Yerevan State Medical University after named after Mkhitar Heratsi*

Study of antiinflammatory response and the role of IgE in acute pancreatitis

**V.A. Aleksandrov<sup>1,2</sup>, L.N. Shilova<sup>1</sup>, A.V. Aleksandrov<sup>1,2</sup>, O.V. Paramonova<sup>1</sup>, O.I. Emelianova<sup>2</sup>, I.A. Zborovskaya<sup>1,2</sup>**

<sup>1</sup>Volgograd State Medical University, the Department of Hospital Therapy;

<sup>2</sup>A.B. Zborovsky Research Institute of Clinical and Experimental Rheumatology, Volgograd, Russia

Possibilities of the use of angiopoethin-like proteins as indicators of metabolic disorders caused by chronic rheumatous inflammation

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

Ultra high frequency reflexotherapy in rehabilitation of patients with allergy form vasomotor rhinitis

**Z.G. Kalikyan, S.S. Gambarov, S.S. Harutyunyan, A.V. Hakobyan, L.A. Ktsoyan, A.S. Zakharyan** *Yerevan State Medical University named after Mkhitar Heratsi*

Clinical and etiological features of food allergy among university students in Yerevan

**Tuesday, July 2, 15:30 – 16:00**

***Park Inn Pribaltiyskaya Hotel***  
***Congress Hall 4+5, 2<sup>nd</sup> Floor***

**CLOSING CEREMONY.**  
**HANDLING OF AWARDS TO THE AUTHORS**  
**OF BEST POSTER PRESENTATIONS**



***Revaz Sepiashvili***

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



***Sami Bahna***

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



***Dana Wallace***

**ESP-WATS Committee Co-Chair**  
**World Allergy Organization (WAO)**



***Bryan Martin***

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





# VI EUROPEAN CONGRESS ON ASTHMA & COPD



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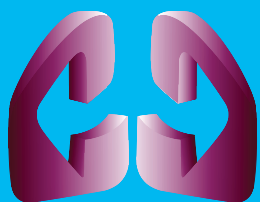
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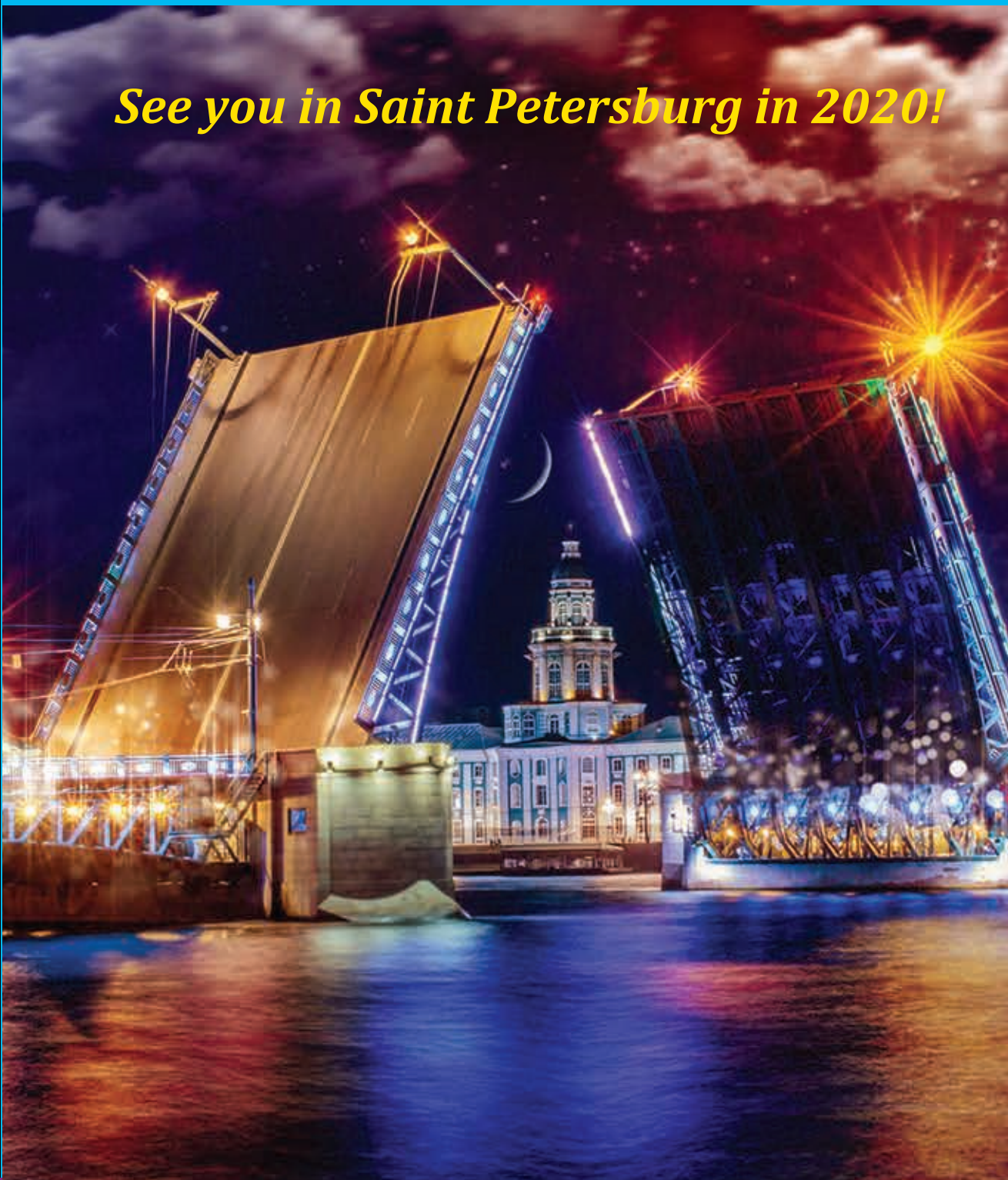


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