



26th SEMMELWEIS SYMPOSIUM NEW CHALLENGES IN MICROBIOLOGY

November 9-10, 2017



Dear Colleagues,

In 2017, Semmelweis University, Faculty of General Medicine, Institute of Medical Microbiology together with Pasteur Scientific Research Group obtained right for organizing this event. Numerous scientific sessions will be held in collaboration with national and international partners. The most recent scientific results will be detailed in oral presentations and in posters for professionals, PhD students and for the interested audience.

The title of this year's Symposium is „New Challenges in Microbiology” where the scientific work of our Institute will be demonstrated in four sessions. The topics will include all the scientific work that have been conducted in our University and in national and international collaborations. The presentations will focus on antimicrobial resistance mechanisms in multidrug resistant bacteria, new strategies in antimicrobial therapy, methods of molecular diagnostics, role of human microbiome in health and in disease, novel viruses that have been discovered and their role in different diseases together with their immunomodulatory effect, antiviral therapy and prevention options will be also discussed.

Microbiology belongs undoubtedly to the classic applied sciences. All major scientist of microbiology and related scientific fields - Robert Koch, Louis Pasteur, Endre Hőgyes, Ignác Semmelweis – more than 150 years ago made milestones and their discoveries are still valid in medicine. The technical improvements led to comprehensive knowledge of human and microbial genetics and helped the development of microbiology.

However, still nowadays there are lot of challenges in microbiology including pathogen and host interactions the exploration of microbial genomes, microbial mechanisms against immunoreactions and the widespread emergence of multidrug resistant bacteria. The 26th Semmelweis Symposium this year can foster bacteriology and virology research in our University and strengthen national and international scientific collaborations.

We cordially invite you and your colleagues to the Semmelweis Symposium on the 9th and 10th of November 2017.

Budapest 24 March, 2017

Dr. Szabó Dóra
Professor
Semmelweis University
Faculty of General Medicine
Institute of Medical Microbiology
Director

SEMMELWEIS SYMPOSIUM - NEW CHALLENGES IN MICROBIOLOGY

Conference Chair

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Venue

Semmelweis University - NET
Nagyvárud tér 4.
H-1094 Budapest, Hungary

Websites for further information
<http://semmelweis.hu/symposium>

Congress Bureau



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GENERAL INFORMATION

CONFERENCE LANGUAGE

English

Opening Ceremony

9 november 2017

ACCREDITATION

The Semmelweis Symposium is accredited by GYOFTEX for 32 points.
The OFTEX accreditation is in process.

Opening hours of the registration

9 November, Wednesday 09:00 - 18:00
10 November, Thursday 08:00 - 17:00

REGISTRATION

Participation at the 2017 Semmelweis Symposium is free of charge for all participants, however an online registration is required. In case of any further question relating registration, do not hesitate to contact the organizers at congress@eqcongress.hu email address.

Form at: semmelweis.hu/symposium/en/semmelweis-symposium-2017/registration

Deadline for on-line registration: **31 October 2017**

ABSTRACT INSTRUCTIONS

Deadline for abstract submission is **30 August, 2017**

Posters a structured abstract of maximum 2500 characters (half A4 size page) in English should be submitted via the congress website at www.semmelweis.hu/symposium/en/semmelweis-symposium-2017/abstract-submission

You will be informed about the receipt and acceptance of your abstract in due course.
Formal requirements

Abstracts must contain detailed information of the methods used and result according to the following layout: Objective, Method, Results and Conclusion. To submit a case report should not be articulate this way, fluent text is acceptable.

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PRELIMINARY PROGRAM

9th November 2017

10.00 OPENING CEREMONY

10.15-13.00

Section I. Emerging viral infections

Éva Ádám

Institute of Medical Microbiology, Semmelweis University, Hungary
The 50 years of adenovirus research in the Institute of Medical Microbiology

Dario Di Luca

University of Ferrara, Italy
HHV-6 and inhibitory KIR2DL2 NK cell receptor

József Ongrádi

Institute of Medical Microbiology, Semmelweis University, Hungary
In vitro studies on the immunomodulatory aspects of HHV-6 and HHV-7

Davide Abate

Unverstiy of Padova, Italy
New challenges in CMV infections

Erwin Tschachler

Vienna, Austria
The 35 years of HIV/AIDS – What next?

Károly Nagy

Institute of Medical Microbiology, Semmelweis University, Hungary
Contribution of advanced molecular biology to the HIV surveillance in Hungary

13.00-14.00 Lunch

14.00-17:00

Anna-Bella Failloux

Institut Pasteur, Paris, France
New challenges in Arbo-Roboinfection

Zoltán Kis

National Center for Epidemiology, Hungary
The Ebola outbreak – is it over?

Orsolya Nagy

National Center for Epidemiology, Hungary
Laboratory diagnosis of Zika virus

Mária Takács

National Center for Epidmeiology, Hungary
Hepatitis B and C serotypes in Hungary

László Rókusz

National Healthcare Services Center, Hungary
The experience with the treatment of hepatitis C infection

Csaba Jeney

Institute of Medical Microbiology, Semmelweis University, Hungary
The evolution of molecular diagnostic in HPV

18.00 Official Dinner

10th November 2017

Section II. The challenges of the multidrug resistant bacteria and new therapeutic approaches

8.00-10.40

Christian Giske

Karolinska Institute, Stockholm, Sweden
Global trends in the antimicrobial resistance

Areg Totolian

Institut Pasteur, Saint Petersburg, Russia
New challenges in *Streptococcus pyogenes* infections

Béla Kocsis

Institute of Medical Microbiology, Semmelweis University, Hungary
Multidrug resistant Gram-negative bacteria in Hungary

Ákos Tóth

National Center for Epidemiology, Hungary
Multi-drug resistant Gram-positive bacteria in Hungary

Mark van der Linden

Germany
Global trends in the seroprevalence in *Streptococcus pneumoniae*

Orsolya Dobay

Institute of Medical Microbiology, Semmelweis University, Hungary
Pneumococci carried by healthy children in Hungary, 2009-2015

Endre Ludwig

Joined Saint Stephan and Saint Ladislaus Hospital-Clinic, Budapest, Hungary
Antibiotic therapy in the age of multiresistant bugs – a clinician's approach

Miklós Füzi

Institute of Medical Microbiology, Semmelweis University, Hungary
Dissimilar fitness associated with resistance to fluoroquinolones influences clonal dynamics of various multiresistant bacteria

10.40-11.00 Coffee break

11.00-13.00

Carl Kraus

Raleigh-Durham, USA
FDA Pathways to Antibiotic Approval

Ralf Hoffmann

Leipzig, Germany
The mechanisms of the short proline-rich antimicrobial peptides

László Ötvös

Temple University, Philadelphia, USA
Are the peptid antibiotics the future?

Eszter Ostorházi

Institute of Medical Microbiology, Semmelweis University, Hungary
Experiences with the A3-APO

13.00-14.00 Lunch

14.00-17.00

Section III. The importance of the human microbiome

Sean Kennedy

Institut Pasteur, Paris, France
The bioinformatical analysis of the microbiome

Dóra Szabó

Institute of Medical Microbiology, Semmelweis University, Hungary
The effect of the antibiotics on the microbiome

Zsolt Radák

University of Physical Education, Hungary
The sport and the microbiome

Krisztina Madách

Semmelweis University, Hungary
The role of the microbiome in the intensive care

Gábor Veres

Semmelweis University, Hungary
The role of microbiome in Chron's disease

Sándor Pongor

Péter Pázmány Catholic University, Hungary
The role of the horizontal gene transfer in the microbiome

SE NET 2017. november 9-10.