



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 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 furthermore 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 immunreactions 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, 22. September, 2017.

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

SEMMELWEIS SYMPOSIUM - NEW CHALLENGES IN MICROBIOLOGY

Conference Chair

Dóra Szabó, Professor and Chair
Semmelweis University, Institute of Medical Microbiology
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Scientific Program Committee

Prof. Dóra Szabó
Dr. Béla Kocsis
Dr. Eszter Ostorházi
Dr. Orsolya Dobay
Dr. József Ongrádi
Prof. Károly Nagy
Valéria Kövesdi

Venue

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

Websites for further information

<http://semmelweis.hu/symposium>



GENERAL INFORMATION

CONFERENCE LANGUAGE

English

Opening Ceremony

9 november 2017. 9.00 hour

ACCREDITATION

The Semmelweis Symposium is accredited by **GYOFTEX** for 32 points.
The **OFTEX** accreditation for 25 points

Opening hours of the registration

9 November, Thursday	08:00 - 18:00
10 November, Friday	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 symposium@semmelweis-univ.hu email address.

Form at: <http://semmelweis.hu/symposium/semmelweis-szimpozium-2017/regisztracio/>

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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SEMMELWEIS SYMPOSIUM - NEW CHALLENGES IN MICROBIOLOGY

PROGRAM

9th November 2017

9.00 OPENING CEREMONY

9.15-13.00

Section I. Emerging viral infections

V. 1. Dóra Szabó

Institute of Medical Microbiology, Semmelweis University, Hungary

History of the Medical Microbiology Institute

V. 2. József Ongrádi

Institute of Medical Microbiology, Semmelweis University, Hungary

Studies on adenoviruses at the Institute of Microbiology

V. 3. Orsolya Dobay

Institute of Medical Microbiology, Semmelweis University, Hungary

The Adenovirus Research Group of the Hungarian Academy of Sciences, 1995-1998

V. 4. Dario Di Luca

University of Ferrara, Italy

HHV-6 and inhibitory KIR2DL2 NK cell receptor

V. 5. József Ongrádi

Institute of Medical Microbiology, Semmelweis University, Hungary

In vitro studies on the immunomodulatory aspects of HHV-6, HHV-7 – associated encephalitis

11.00-11.20 *Coffee break*

V. 6. Davide Abate

University of Padova, Italy

New challenges in CMV infections

V. 7. Erwin Tschachler

Medical University of Vienna, Austria

The 35 years of HIV/AIDS – What next?

V. 8. 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

V. 9. Anna-Bella Failloux

Institut Pasteur, Paris, France

Vector-borne diseases threatening Europe: dengue, chikungunya, zika

V. 10. Zoltán Kis

National Public Health Institute, Hungary

The Ebola outbreak – is it over?

V. 11. Orsolya Nagy

National Public Health Institute, Hungary

Laboratory diagnosis of Zika virus

16.00-16.10 *Coffee break*

V. 12. Mária Takács

National Public Health Institute, Hungary

Hepatitis B and C genotypes in Hungary

V. 13. László Rókus

National Healthcare Services Center, Hungary

The experience with the treatment of hepatitis C infection

V. 14. 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

B. 15. Christian Giske

Karolinska Institute, Stockholm, Sweden

Global trends in the antimicrobial resistance

B. 16. Béla Kocsis

Institute of Medical Microbiology, Semmelweis University, Hungary

Multidrug resistant Gram-negative bacteria in Hungary

B. 17. Ákos Tóth

National Public Health Institute, Hungary

Multidrug resistant Gram-positive bacteria in Hungary

B. 18. Mark van der Linden

Referenzzentrum für Streptokokken, Universitätsklinikum Aachen, Germany

Global trends in the seroprevalence in Streptococcus pneumoniae

9.40-9.50 *Coffee break*

B. 19. Orsolya Dobay

Institute of Medical Microbiology, Semmelweis University, Hungary

Pneumococci carried by healthy children in Hungary, 2009-2015

B. 20. Endre Ludwig

Joined Saint Stephan and Saint Ladislaus Hospital-Clinic, Budapest, Hungary

Antibiotic therapy in the age of multiresistant bugs – a clinician's approach

B. 21. 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

B. B. 22. Carl Kraus

Arreus Institute, Raleigh-Durham, USA

FDA Pathways to Antibiotic Approval

B.23. Ralf Hoffmann

Center for Biotechnology and Biomedicine, Universität Leipzig Leipzig, Germany

Mechanistic studies on short proline-rich antimicrobial peptides

B. 24. László Ötvös

Temple University, Philadelphia, USA

Are peptide antibiotics the future?

B. 25. Eszter Ostorházi

Institute of Medical Microbiology, Semmelweis University, Hungary

Experiences with the A3-APO

13.00-14.00 *Lunch*

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14.00-17.00

Section III. The importance of the human microbiome

M. 26. Sean Kennedy

Institut Pasteur, Paris, France

The bioinformatical analysis of the microbiome

M. 27. Dóra Szabó

Institute of Medical Microbiology, Semmelweis University, Hungary

The effect of the antibiotics on the microbiome

M. 28. Zsolt Radák

University of Physical Education, Hungary

The sport and the microbiome

15.30-15.40 Coffee break

M. 29. Krisztina Madách

Dept. of Anaesthesiology and Intensive Therapy,
Semmelweis University, Hungary

The role of the microbiome in the intensive care

M. 30. Gábor Veres

Ist Dept. of Pediatrics, Semmelweis University, Budapest,
Hungary

Characteristics of microbiom in pediatric- and adult patients with Crohn's disease

M. 31. Sándor Pongor, János Juhász,

Balázs Ligeti and Attila Jáy

Péter Pázmány Catholic University, Hungary

Molecular signaling mechanisms underlying the stability of microbial communities

M. 32. Dóra Szabó

Institute of Medical Microbiology, Semmelweis University, Hungary

Closing remarks

IV. Poster sectio

P.1. Balint Gergely Szabo^{1,2,3}, Tamas Tirczka⁴, Eszter Ostorhazi⁵

1 Joined Saint Stephan and Saint Ladislaus Hospital–Clinic,
Department of Infectology (Budapest, Hungary)

2 Semmelweis University, Faculty of Medicine, Infectious Disease
Specialist Training (Budapest, Hungary)

3 Semmelweis University, Doctoral School of Clinical Medicine
(Budapest, Hungary)

4 National Center for Epidemiology (Budapest, Hungary)

5 Semmelweis University, Institute of Medical Microbiology
(Budapest, Hungary)

Clinical and microbiological characteristics of adult invasive Haemophilus influenzae infections: results of a 12-year single center experience

P.2. Balint Gergely Szabo^{1,2,3}, Rebeka Kiss⁴, Katalin Szidonia Lenart^{1,2}, Botond Lakatos¹, Eszter Ostorhazi⁵, Janos Szlavik¹

1 Joined Saint Stephan and Saint Ladislaus Hospital–Clinic,
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2 Semmelweis University, Faculty of Medicine, Infectious Disease
Specialist Training (Budapest, Hungary)

3 Semmelweis University, Doctoral School of Clinical Medicine
(Budapest, Hungary)

4 Semmelweis University, Faculty of Medicine, Students'
Scientific Association (Budapest, Hungary)

Clinical and microbiological characteristics and outcomes of community acquired sepsis: results of a single center, 1-year retrospective observational cohort study

P.3. Katalin Szidonia Lenart^{1,2}, Balint Gergely Szabo^{1,2,3}, Bela Kadar^{1,2,4}, Radka Nikolova⁵, Gyula Prinz¹, Janos Szlavik¹

1 Joined Saint Stephan and Saint Ladislaus Hospital–Clinic,
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3 Semmelweis University, Doctoral School of Clinical Medicine
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4 Semmelweis University, Institute of Medical Microbiology
(Budapest, Hungary)

5 Joined Saint Stephan and Saint Ladislaus Hospital–Clinic, Core
Microbiology Laboratory (Budapest, Hungary)

Species/serotype distribution and antibiotic susceptibility of Salmonella and Campylobacter sp. isolated from human disease: results of a 1-year observational, microbiological study from Hungary

REMARKS

The abstracts of the 26th Semmelweis Symposium can be found
in the online edition of Acta Microbiologica et Immunologica
Hungarica Supplementum 2/2017

In parallel, during the Symposium Acta Microbiologica et
Immunologica Hungarica editions of 2015, 2016 and 2017 are
available free of charge on the following link:

<http://akademai.com/loi/030>

Sponsors



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