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, Ignácz 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.


Dr. Dóra Szabó
Professor
Semmelweis University
Faculty of General Medicine
Institute of Medical Microbiology
Director
SEMMELWEIS SYMPOSIUM - NEW CHALLENGES IN MICROBIOLOGY

Conference Chair

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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
Nagyvárad tér 4.
H-1094 Budapest, Hungary

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.
SEMELWEIS SYMPOSIUM - NEW CHALLENGES IN MICROBIOLOGY

9th November 2017

9.00 OPENING CEREMONY
Opening speech
Ágoston Szél rector
Semmelweis University

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

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
Arrevus Institute, Raleigh-Durham, USA
FDA Pathways to Antibiotic Approval

B. 23. Ralf Hoffmann
Center for Biotechnology and Biomedicine, Universität Leipzig
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

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
1st 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 Jády
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 section

P.1. Balint Gergely Szabo 1,2,3, Tamas Tirczka 4, Eszter Ostorhazi 5
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)
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

P.2. Balint Gergely Szabo 1,2,3, Rebeka Kiss 4, Katalin Szidonia Lenart 1,2, Botond Lakatos 1, Eszter Ostorhazi 5, Janos Szlavik 1
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 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 Nikolova 5, Gyula Prinz 1, Janos Szlavik 1
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 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