

Magyar Mikrobiológiai Társaság
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A Magyar Mikrobiológiai Társaság

2010. évi Nagygyűlése

PROGRAM

Helikon Szálló, Keszthely
2010. október 13 - 15.

A Program rövid áttekintése

Október 12. (kedd)	18.00 - 21.30	Regisztráció
Október 13. (szerda)	7.30 - 17.00	Regisztráció
Konferencia Terem	10.30 - 11.00	Megnyitó
	11.00 - 12.00	Manninger Emlékülés
	12.00 - 14.00	Ebédszünet
Konferencia Terem	14.00 - 18.00	Farkas Elek Emlékülés
Étterem	19.30	Fogadás
Október 14. (csütörtök)	8.00 - 13.00	Regisztráció
1. sz. terem	8.45 - 10.15	Viroológia - Influenzavírus
	11.00 - 12.30	Váczi Lajos Emlékülés
	14.00 - 15.00	Viroológia - HIV
2. sz. terem	9.00 - 12.10	Mikológia Szekció
	12.30 - 16.00	Ipari Mikrobiológia Szekció
3. sz. terem	10.00 - 12.00	Fehér Dániel Emlékülés
	14.00 - 15.00	Élelmiszeripari Mikrobiológia Szekció
Gulács terem	8.30 - 10.45	Bakteriológia 1. Szekció
	11.00 - 12.30	Immunológia és Parazitológia Szekció
	14.00 - 15.30	Bakteriológia 2. Szekció
Poszter Terem	9.30 - 10.30	Környezeti Mikrobiológia és Biotechnológia
	12.00 - 13.00	Mikológia Szekció
	15.00 - 16.00	Viroológia Szekció

Október 15. (péntek)	8.00 - 12.00	Regisztráció
1. sz. terem	8.30 - 10.30	Virologia - Genetikai elemzés és szabályozás
	10.45 - 12.15	Virologia - Új vírusok
2. sz. terem	8.30 - 13.00	Környezeti Mikrobiológia és Biotechnológia Szekció
Gulács terem	10.00 - 12.00	Bakteriológia 3. Szekció
Poszter terem	8.30 - 9.30	Bakteriológia Szekció
	10.00 - 11.00	Mezőgazdasági és Élelmiszeripari Mikrobiológia szekció
	11.00 - 12.00	Ipari Mikrobiológia Szekció

Kedves Konferencia résztvevők!

A programfüzetben valamennyi előadást angol nyelven tüntettük fel, mert a konferencia nyitónapjának nyelve angol lesz, ill. a Mikológia Szekció és az Ipari Mikrobiológia Szekció is részben angol nyelven fog zajlani. Természetesen a többi előadás és a poszterek nyelve magyar.

Részletes program

Október 13. (szerda) - Wednesday, 13th October

Konferencia terem - Conference Hall

10.30

Megnyitó - Opening Ceremony

Welcome address and inaugural ceremony

János MINÁROVITS

President of the Hungarian Society for Microbiology

11.00 - 12.00

Manninger Emlékülés - Manninger Memorial Session

Chairpersons: László HORNOK and János MINÁROVITS

Manninger Előadás - Manninger Lectures

11.00 - 11.30

MÁRIA BENKŐ

Bats as newly discovered hosts for Adenoviruses

Veterinary Medical Research Institute, Hungarian Academy of Sciences,
Budapest, Hungary

11.30 - 12.00

SÁNDOR BIRÓ

The life cycle of Streptomyces, the wonder bug that makes a lot of drugs

Department of Human Genetics, University of Debrecen, Debrecen,
Hungary

12.00 - 14.00

Ebédszünet - Lunch Break

14.00 - 18.00

Farkas Elek Emlékülés - Farkas Elek Memorial Session

Chairpersons: János MINÁROVITS, Károly MÁRIALIGETI

14.00 - 14.30

Inaugural Lecture by

Honorary Member of the Hungarian Society for Microbiology

CHRISTIAN DROSTEN

Virus ecology: novel insights into the sources of epidemics

Institute of Virology, University of Bonn Medical Centre, Bonn, Germany

- 14.30 - 15.00 GÁBOR REUTER, ÁKOS BOLDIZSÁR, ÁKOS BOROS,
PÉTER PANKOVICS
**Detection and characterization of Kobuviruses (in family
Picornaviridae) in new host species**
Regional Laboratory of Virology, National Reference Laboratory of
Gastroenteric Viruses, ÁNTSZ Regional Institute of State Public Health
Service, Pécs, Hungary
- 15.00 - 15.15 *Kávészünet - Coffee Break*
- 15.15 - 15.45 *Inaugural Lecture by
Honorary Member of the Hungarian Society for Microbiology*
IVAN RYCHLIK, MAGDALENA CRHANOVA,
FRANTISEK SISAK, HANA HAVLICKOVA, MARCELA
FALDYNOVA, DANIELA KARASOVA, ALENA
SEBKOVA, HELENA HRADECKA
**Interactions of *Salmonella enterica* serovar *Enteritidis*
and *Gallus gallus***
Veterinary Research Institute, Brno, Czech Republic
- 15.45 - 16.15 ELISABETH NAGY¹, EDIT URBÁN¹, JÓZSEF SÓKI¹,
SIMONE STUMPF², MARKUS KOSTRZEWA²
**To improve routine species identification and
discrimination of anaerobic bacteria by MALDI-TOF
MS**
¹Institute of Clinical Microbiology, University of Szeged, Szeged, Hungary;
²Bruker Daltonik GmbH, Bremen, Germany
- 16.15 - 16.30 *Kávészünet - Coffee break*
- 16.30 - 17.00 *Inaugural Lecture by
Honorary Member of the Hungarian Society for Microbiology*
ROBERT A. SAMSON
**New taxonomic and identification schemes for *Aspergilli*
causing human and animal health hazards**
CBS Fungal Biodiversity Centre, Utrecht, The Netherlands.
- 17.00 - 17.30 ATTILA GÁCSER, ZSUZSANNA GRÓZER, PÉTER
FERENC HORVÁTH, CSABA VÁGVÖLGYI, TIBOR
NÉMETH, ZSUZSA HAMARI
**Host-pathogen interaction: virulence and pathogenesis of
the emerging human fungal pathogen *Candida*
*parapsilosis***
Department of Microbiology, University of Szeged, Szeged, Hungary

17.30 - 18.00

HERBERT AUER

***Dirofilaria* and dirofilarioses in Austria**

Department of Medical Parasitology, Institute of Specific Prophylaxis and Tropical Medicine Center of Pathophysiology, Infectology and Immunology, Wien, Austria

19.30

Fogadás - Banquet

Október 14. (csütörtök)

1. sz. terem

8.45 - 10.15 Virologia Szekció - Influenzavírus

Üléselnök: Deák Judit és Jankovics István

8.45 - 9.00

VE-1

JUDIT DEÁK, BEATRIX KELE, KATALIN SZABÓ, L. BERCZKI, GABRIELLA TERHES

Diagnostic results of pandemic influenza infections in 2009 and 2010 at the Department of Clinical Microbiology

Microbiology

Department of Clinical Microbiology, University of Szeged, Szeged, Hungary

9.00 - 9.15

VE-2

BÁLINT SZALAI, MÓNIKA RÓZSA, ZOLTÁN KIS, MÁRIA TAKÁCS, ISTVÁN JANKOVICS

Molecular virology assay as PCR for rapid and sensitive detection of influenza viruses during 2009/2010 season in Hungary

Division of Virology, National Center for Epidemiology, Budapest, Hungary

9.15 - 9.30

VE-3

RÉKA KOVÁCS, MÓNIKA RÓZSA, BÁLINT SZALAI, ZOLTÁN KIS, ISTVÁN JANKOVICS

Humoral immune response against flu with virus neutralization test

Division of Virology, National Center for Epidemiology, Budapest, Hungary

9.30 - 9.45

VE-4

MÓNIKA RÓZSA, ÉVA HERCEGH, ZOLTÁN KIS, RÉKA KOVÁCS, ISTVÁN JANKOVICS

Comparison of the humoral and the cellular immune response following human influenza virus in infection

Division of Virology, National Center for Epidemiology, Budapest, Hungary

- 9.45 - 10.00 VE-5
ILDIKÓ VISONTAI¹, ERNST SOETHOUT², KARLIJN GIJZEN², FREDRIK OFTUNG³, JANET E. MCELHANEY⁴, WAI MING LIU²
Standardization and validation of assays determining cellular immune responses against influenza
¹Department of Quality Assurance, National Center for Epidemiology, Budapest, Hungary; ²Vaccine Research, Netherlands Vaccine Institute, Bilthoven, Netherlands; ³Department of Bacteriology and Immunology, Norwegian Institute of Public Health, Oslo, Norway; ⁴VITALiTY Research Centre, Vancouver Coastal Health Research Institute and University of British Columbia, Vancouver, Canada
- 10.00 - 10.15 VE-6
ISTVÁN JANKOVICS¹, VILMOS PÁLFI², MÁTÉ JANKOVICS¹, ZOLTÁN KIS¹, ILDIKÓ VISONTAI¹
Protection of quails against highly pathogenic H5 Avian Influenza virus with whole, inactivated NIBRG-15 virus strain containing, aluminium adjuvated vaccine
¹National Center for Epidemiology; ²National Veterinary Institute, Budapest, Hungary
- 11.00 - 12.30 **Váczi Lajos Emlékülés**
Üléseelnök: Gergely Lajos és Nagy Erzsébet
- 11.00 - 11.15 Gergely Lajos méltatása Váczi Lajos professzor munkásságáról
- 11.15 - 11.30 VLE-1
BEÁTA MÉSZÁROS¹, ESZTER CSOMA¹, LÁSZLÓ ASZTALOS², TAMÁS GÁLL¹, LAJOS GERGELY¹
HHV-6 reactivation in renal transplantated patients
¹Institute of Medical Microbiology; ²Institute of Surgery, University of Debrecen, Debrecen, Hungary
- 11.30 - 11.45 VLE-2
KATINKA HERNÁDI, ANITA SZALMÁS, GYÖRGY VERESS, JÓZSEF KÓNYA
Association of type III latency of Epstein-Barr virus with apical periodontitis lesions
 Department of Medical Microbiology, Medical and Health Science Center, University of Debrecen, Debrecen, Hungary

- 11.45 - 12.00 VLE-3
BEATRIX KELE, GABRIELLA TERHES, JUDIT DEÁK
Congenital and perinatal cytomegalovirus (CMV) infection
Department of Clinical Microbiology, Faculty of Medicine, Albert Szent-Györgyi Clinical Center, Szeged, Hungary
- 12.00 - 12.15 VLE-4
FERENC ROZGONYI, ESZTER OSTORHÁZI, BALÁZS FARKAS, BÉLA TÓTH, SAROLTA KÁRPÁTI
Frequency and antibiotic resistance of *Streptococcus agalactiae* cultured from genital discharges of sexually active individuals
Department of Dermatology, Venerology and Dermatocology, Semmelweis University, Budapest, Hungary
- 12.15 - 12.30 VLE-5
GÁBOR KARDOS¹, ILDIKÓ SZŰCS², MÁRIA SZILASI², PIROSKA OROSI³, LÁSZLÓ MAJOROS¹
Molecular epidemiology of *Pseudomonas aeruginosa* in a five-bed intensive care unit with a pulmonology profile
¹Department of Medical Microbiology; ²Department of Pulmonology; ³Department of Hygiene and Infection Control, University of Debrecen, Debrecen, Hungary
- 12.30 - 12.45 VLE-6
ZSUZSANNA RITA DOMBRÁDI¹, ORSOLYA DOBAY², KÁROLY NAGY², JÓZSEF KÓNYA¹, VIKTOR DOMBRÁDI³, JUDIT SZABÓ¹
Characterization of vancomycin resistant Enterococci isolated during a six-year survey in Debrecen
¹Department of Medical Microbiology, Medical and Health Science Center, University of Debrecen, Debrecen; ²Institute of Medical Microbiology, Semmelweis University, Budapest; ³Department of Medical Chemistry, Medical and Health Science Center, University of Debrecen, Debrecen, Hungary
- 12.45 - 14.00 *Ebédszünet*

14.00 - 15.00 **Virologia Szekció - Humán immundeficiencia vírus**

Üléselnök: Minárovits János és Nagy Károly

14.00 - 14.15

VE-7

ISTVÁN BARTHA¹, MATTHIAS ASSEL², PETER SLOOT³, MAURIZIO ZAZZI⁴, CARLO TORTI⁵, EUGEN SCHÜLTER⁶, ANDREA DE LUCA⁷, ANDERS SÖNNERBORG⁸, VIKTOR MÜLLER¹

Estimating the frequency of superinfection in a large European collaborative HIV database

¹Institute of Biology, Eötvös Loránd University, Budapest, Hungary; ²High Performance Computing Centre, University of Stuttgart, Stuttgart, Germany; ³Computational Science, The University of Amsterdam, Amsterdam, Netherlands; ⁴Department of Molecular Biology, University of Siena, Siena; ⁵Institute of Infectious and Tropical Diseases, University of Brescia, Brescia, Italy; ⁶Institute of Virology, University of Cologne, Cologne, Germany; ⁷Catholic University of the Sacred Heart, Institute of Clinical Infectious Diseases, Rome, Italy; ⁸Department of Infectious Diseases, Karolinska Institute, Stockholm, Sweden

14.15 - 14.30

VE-8

BALÁZS KÖNNYŰ¹, TAMÁS TURÁNYI², RITA HÍRMONDÓ¹, BARBARA MÜLLER³, JAN KONVALINKA⁴, S. KASHIF SADIQ⁵, PETER COVENEY⁵, HANS-GEORG KRÄUSSLICH³, VIKTOR MÜLLER¹

Reaction kinetics model of proteolytic processing during HIV-1 virion maturation

¹Institute of Biology; ²Institute of Chemistry, Eötvös Loránd University, Budapest, Hungary; ³Department of Virology, University of Heidelberg, Heidelberg, Germany; ⁴Institute of Organic Chemistry and Biochemistry, Academy of Science of the Czech Republic, Prague, Czech Republic; ⁵Centre for Computational Science, University College London, London, UK

14.30 - 14.45

VE-9

SZILVIA KANIZSAI¹, ÁGOSTON GHIDÁN¹, JÁNOS ARADI², KÁROLY NAGY¹

Thyolated pyrimidine compounds as HIV entry inhibitors

¹Institute of Medical Microbiology, Semmelweis University, Budapest; ²Department of Biochemistry, University of Debrecen, Debrecen, Hungary

14.45 - 15.00

VE-10

ÉVA ÁY¹, MÁRIA MEZEI¹, ANITA KOROKNAI¹,
ZOLTÁN GYŐRI¹, FERENC BÁNÁTI¹, ÁGNES
BAKOS¹, MÁRTA MARSCHALKÓ², SAROLTA
KÁRPÁTI², JÁNOS MINÁROVITS¹

**Monitoring of HIV pandemic in Hungary by molecular
virological methods**

¹Microbiological Research Group, National Center for Epidemiology;

²Department of Dermato-Venerology and Dermato-Oncology, Semmelweis
University, Budapest, Hungary

Október 14. (csütörtök)

2. sz. terem

9.00 - 12.10 Mikológia Szekció - Mycology Session

Üléselnök - Chairpersons: Robert A. Samson, Anna Maráz

9.00 - 9.30

ME-1

JÁNOS VARGA¹, SÁNDOR KOCSUBÉ¹, GYÖNGYI SZIGETI¹, KATALIN SURI¹, BEÁTA TÓTH², ÉVA TOLDI², TIBOR BARTÓK³, ÁKOS MESTERHÁZY²

The role of *Aspergillus* species in mycotoxin contamination of agricultural products in Hungary

¹Department of Microbiology, University of Szeged; ²Cereal Research Non-profit Ltd.; Fumisol Ltd. Szeged, Hungary

9.30 - 10.00

ME-2

ISTVÁN PÓCSI

How to transfer information extracted from genome annotation and transcriptome analyses to wet lab? The *Aspergillus nidulans* ATFA story

Department of Microbial Biotechnology and Cell Biology, University of Debrecen, Debrecen, Hungary

10.00 - 10.20

ME-3

ZOLTÁN KARÁCSONY, ZSUZSANNA HAMARI

Next generation sequencing of heat stressed and stress-free transcriptomes of wild type and Hmgb-a/Hmgb-b double deleted mutant strains of *Aspergillus nidulans*

Department of Microbiology, Faculty of Sciences and Informatics, University of Szeged, Szeged, Hungary

10.20 - 10.35

ME-4

ZOLTÁN KARÁCSONY, ZSUZSANNA HAMARI

Phenotypic characterization of a chromatin associated high mobility group protein null mutant (Hmgb-b deleted mutant) *Aspergillus nidulans*

Department of Microbiology, Faculty of Sciences and Informatics, University of Szeged, Szeged, Hungary

- 10.35 - 10.50 ME-5
MELINDA PAHOLCSEK, ZSUZSANNA BIRKÓ,
 SÁNDOR BIRÓ
Q-RT-PCR assays for the detection of *Aspergillus* species
 Department of Human Genetics, University of Debrecen, Debrecen,
 Hungary
- 10.50 - 11.05 ME-6
JUDIT SZILÁGYI, SEDIGH BAYEGAN, RICHÁRD
 FÖLDI, AWID ADNAN, LÁSZLÓ MAJOROS
**In vivo efficacy of fluconazole and caspofungin against
Candida parapsilosis and *C. orthopsilosis* in temporarily
 and deeply neutropenic mouse models**
 Department of Medical Microbiology, University of Debrecen, Debrecen,
 Hungary
- 11.05 - 11.20 ME-7
RICHÁRD FÖLDI, SEDIGH BAYEGAN, JUDIT
 SZILÁGYI, AWID ADNAN, LÁSZLÓ MAJOROS
**Evaluation of E-test method for determining micafungin
 MICs for 360 clinical isolates of 10 *Candida* species**
 Department of Medical Microbiology, University of Debrecen, Debrecen,
 Hungary
- 11.20 - 11.35 ME-8
CSABA DOBOLYI¹, JÁNOS VARGA², FLÓRA SEBŐK³,
 SÁNDOR KOCSUBÉ², ÁRPÁD SZÉCSI⁴, JÓZSEF
 KUKOLYA⁵, BEÁTA TÓTH⁶, BALÁZS KRISZT²
**Occurrence of aflatoxin-producing *Aspergillus* species on
 maize in Hungary**
¹Regional University Centre of Excellence in Environmental Industry Based
 on Natural Resources, Szent István University, Gödöllő; ²Department of
 Microbiology, Faculty of Science and Informatics, University of Szeged,
 Szeged; ³Department of Environmental Protection and Environmental
 Safety, Szent István University, Gödöllő; ⁴Plant Protection Institute,
 Hungarian Academy of Sciences, Budapest; ⁵Agruniver Holding
 Environmental Management, Research and Technology Development Ltd.,
 Gödöllő, Hungary
- 11.35 - 11.50 ME-9
ANGELA CAPECE, R. ROMANIELLO, C. POETA, G.
 SIESTO, C. MASSARI, R. PIETRAFESA, P. ROMANO
Monitoring of wine fermentation inoculated with

indigenous starters of *Saccharomyces cerevisiae*

Dipartimento di Biologia, Difesa e Biotecnologie Agro-Forestali -
Università degli Studi della Basil, Potenza, Italy

11.50 - 12.30

Kávészünet - Coffee break

12.30 - 16.00

**Ipari mikrobiológia Szekció - Industrial Microbiology
Session**

Üléselnök - Chairpersons: Karaffa Levente, Sveiczler Ákos

12.30 - 12.45

IPE-1

SERESS PÉTER

A TEVA fermentációs zászlóshajója

Alapanyaggyártó Igazgatóság, TEVA Gyógyszergyár ZRt., Debrecen

12.45 - 13.00

IPE-2

ANDOR ATTILA

**Inszerációs mutagenézis alkalmazása szterinlebontásban
felelős *Mycobacterium* gének megismerésében**

Codexis Laboratories Hungary Kft., Budapest

13.00 - 13.15

IPE-3

ERZSÉBET FEKETE¹, LEVENTE KARAFFA¹, MICHEL
FLIPPHI²

**Identification of a beta-galactosidase/lactose permease
gene couple and the characterisation of lactose transport
in *Aspergillus nidulans***

¹Department of Genetics and Applied Microbiology, Faculty of Science and
Technology, University of Debrecen, Debrecen, Hungary; ²University of
Valencia, Valencia, Spain

13.15 - 13.30

IPE-4

ZOLTÁN BAGI¹, NORBERT ÁCS², ETELKA KOVÁCS¹,
KORNÉL KOVÁCS¹

Improvement of biogas production via microbiology

¹Department of Biotechnology, University of Szeged; ²Institute of
Biophysics, Biological Research Centre, Hungarian Academy of Science,
Szeged, Hungary

- 13.30 - 13.45 IPE-5
SÁNDOR BIRÓ, ZSUZSANNA BIRKÓ
The complex extracellular biology of *Streptomyces*
Department of Human Genetics, University of Debrecen, Debrecen,
Hungary
- 13.45 - 14.00 IPE-6
LÁSZLÓ MIKLÓS
**Új generációs fermentorok és tenyésztőrendszerek a
Sartorius-Stedim Biotech palettáján**
S-Biotech Kft., Budapest
- 14.00 - 14.45 **A 80. éves Szentirmai Attila professzor köszöntése**

Üléseelnök - Chairpersons: Fekete Erzsébet, Könczöl Kálmán
- 14.45 - 15.00 IPE-7
LÁSZLÓ HORNOK, ATTILA L. ÁDÁM
**Stress response and secondary metabolite production in
fungi**
Mycology Group of the Hungarian Academy of Sciences, Institute of Plant
Protection, Szent István University, Gödöllő, Hungary
- 15.00 - 15.15 IPE-8
KÖNCZÖL KÁLMÁN
**Folyamatelemzés (PAT) a gyógyszeripari
biotechnológiában**
Hatóanyag Kutatási és Fejlesztési Főosztály, Richter Gedeon Vegyészeti
Gyár NyRt., Budapest
- 15.15 - 15.30 IPE-9
MATTHIAS SÍPICZKI
**FAGE (fast adaptive genome evolution) of
Saccharomyces during wine fermentation**
Department of Genetics and Applied Microbiology, University of Debrecen,
Debrecen, Hungary
- 15.30 - 15.45 IPE-11
SÁNTHA GYÖRGY
Antibiotikumgyártás a Xellia Kft-ben
Xellia Gyógyszervegyészeti Kft., Budapest

15.45 - 16.00

IPE-11

ÁKOS SVEICZER, ANNA MÓNUS

Size control in fission yeast: experiments and simulations

Department of Applied Biotechnology and Food Science, Budapest
University of Technology and Economics, Budapest, Hungary

Október 14. (csütörtök)

3. sz. terem

10.00 - 12.00 Fehér Dániel Emlékülés

Üléseelnök: Bíró Borbála

10.00 - 10.20

MME-1

BORBÁLA BÍRÓ

Fifty-year-studies of the soil-plant-microbe-environment interactions and impact of the “manipulation”

Laboratory of Rhizobiology, Research Institute for Soil Science and Agrochemistry, Hungarian Academy of Sciences, Budapest, Hungary;

10.20 - 10.35

MME-2

GABRIELLA MÁTHÉ-GÁSPÁR, TIBOR SZILIKOVÁCS, PÉTER MÁTHÉ, ATTILA ANTON

Influence of the pollution time on the microbial biomass C and phosphatase activity on a heavy metal polluted soil

¹Research Institute for Soil Science and Agricultural Chemistry, Hungarian Academy of Sciences, Budapest, Hungary

10.50 - 11.05

MME-3

ZSOLT SÁNDOR, JÁNOS KÁTAI, ÁGNES OLÁH ZSUPOSNÉ, MAGDOLNA TÁLLAI

Effect of different herbicides on some microbial parameters of a calcareous cernozem in a microcosmos experiment

Department of Agrochemistry and Soil Science, University of Debrecen, Debrecen, Hungary

10.05 - 11.20

MME-4

KÁLMÁN ZOLTÁN VÁCZY¹, ZSUZSANNA VÁCZYNÉ JUHÁSZ¹, ERZSÉBET SÁNDOR²

Fungicide resistance of *Botrytis cinerea* in Hungarian vineyards

¹KRC Research Institute for Viticulture and Enology, Eger; ²Department of Plant Protection, University of Debrecen, Debrecen, Hungary

- 11.20 - 11.35 MME-5
KATALIN POSTA, ZITA SASVÁRI, LÁSZLÓ HORNOK
Diversity of arbuscular mycorrhizal fungi in a long term maize monoculture
 Microbiological and Environmental Toxicology Group of the Hungarian Academy of Sciences, Institute of Plant Protection, Szent István University, Gödöllő, Hungary
- 11.35 - 11.50 MME-6
 KLÁRA CZAKÓ-VÉR¹, VIKTÓRIA VINCZE², GYULA ÁRVAY²
The mycorrhizal community under phosphorus stress in the soil with different genetical types
¹Department of Soil Sciences and Climatology, Institute of Environmental Sciences, Faculty of Natural Science, University of Pécs; ² Soil Biology Laboratory, Plant Protection and Soil Conservation Directorate, Agricultural Office of County Baranya, Pécs, Hungary
- 11.50 - 12.05 MME-7
ATTILA FARKAS, GERGELY MARÓTI, ANDREA NAGY, ATTILA KERESZT, ÉVA KONDOROSI
Characterization of bacterium-killing mechanism and efficiency of *Medicago* NCR peptides
 Bay Zoltán Applied Research Foundation, Baygen, Szeged, Hungary
- 12.05 - 14.00 *Ebédészünet*
- 14.00 - 15.00 **Élelmiszeripari Mikrobiológia Szekció**
Üléselnök: Beczner Judit
- 14.00 - 14.15 MME-8
ORSOLYA SZÉN¹, KÁROLY PÁL², ZOLTÁN NAÁR², ATTILA KISS²
Identification of bacterium strains of different origin on the basis of 16S rDNA
¹Egerfood Regional Knowledge Centre; ²Institute for Food Sciences, Eszterházy Károly College, Eger, Hungary

14.15 - 14.30

MME-9

KÁROLY PÁL, JÓZSEF SZARVAS, MÁRIA
HILYÁKNÉ-KADLOTT, ZOLTÁN NAÁR

Potential utilization of *Bacillus clausii* in yoghurt manufacturing

Institute for Food Sciences, Eszterházy Károly College, Eger, Hungary

14.30 - 14.45

MME-10

KATA KALÓCZKAI¹, KATALIN HUSZTI², KÁROLY
PÁL¹, JÓZSEF SZARVAS³, ZOLTÁN NAÁR¹

Investigation of functional yoghurts in a simplified artificial digestion system

¹Department of Microbiology and Food Technology; ²Egerfood Regional Knowledge Center; ³Department of Food chemistry and Biochemistry, Eszterházy Károly College, Eger, Hungary

14.45 - 15.00

MME-11

RÉKA SZÁNTÓ-EGÉSZ¹, FLÓRA SEBŐK², ÁRPÁD
SZÉCSI³, KLÁRA DALLMANN¹

Detection of toxinogenic *Fusarium* strains in plant tissues by molecular biological methods

¹BIOMI Ltd.; ²Department of Environmental Protection and Environmental Safety, Szent István University, Gödöllő; ³Plant Protection Institute, Hungarian Academy of Sciences, Budapest, Hungary

Október 14. (csütörtök)

Gulács terem

8.30 - 10.45 Bakteriológia 1. Szekció

Üléselnök: Nagy Béla és Dobay Orsolya

8.30 - 9.00

BE-1

LEVENTE EMÖDY

“Bacterial interference” - a new approach to treat recurrent urinary tract infections

¹Department of Medical Microbiology and Immunology, University Medical School, Pécs, Hungary

9.00 - 9.15

BE-2

FERENC ROZGONYI

Advantages of intramuscularly administered proline rich peptide A3-Apo over existing therapies in experimental *Acinetobacter baumannii* wound infections

Department of Dermatology, Venerology and Dermatoc oncology, Semmelweis University, Budapest, Hungary

9.15 - 9.30

BE-3

ISTVÁN TÓTH¹, GYÖRGY SCHNEIDER²

Instability of cytolethal distending toxin type iv locus in an avian pathogenic *Escherichia coli*

¹Veterinary Medical Research Institute, Hungarian Academy of Sciences, Budapest; ²Institute of Medical Microbiology and Immunology, University of Pécs, Pécs, Hungary

9.30 - 9.45

BE-4

PÉTER ZSOLT FEKETE¹, KRISTINA MATEO², DAVID FRANCIS²

Heat-labile enterotoxin of enterotoxigenic *Escherichia coli* increases the adhesion ability to intestinal epithelial cells

¹Veterinary Medical Research Institute, Hungarian Academy of Sciences, Budapest, Hungary; ²Veterinary Science Department and South Dakota Animal Disease Research and Diagnostic Laboratory (ADRD), South Dakota State University, Brookings, US

- 9.45 - 10.00 BE-5
 ANITA SZABÓ¹, ÁKOS TÓTH², GÁBOR KARDOS¹
Aminoglycoside modifying enzyme genes in *Escherichia coli* isolates collected in a university hospital and in Hungarian ESBL positive *E. coli* isolates
¹Department of Medical Microbiology, University of Debrecen, Debrecen;
²National Center for Epidemiology, Budapest, Hungary
- 10.00 - 10.15 BE-6
 ZOLTÁN TIGYI¹, IVELINA DAMJANOVA², JUDIT PÁSZTI², LÁSZLÓ PÓTÓ³, LEVENTE EMŐDY¹
Distribution of virulence-associated geno- and phenotypic characters in pulsed field gel electrophoresis (PFGE) clusters of *Klebsiella pneumoniae* isolates from urinary tract and blood stream infections
¹Faculty of Medicine, Department of Medical Microbiology and Immunology, Pécs University, Pécs; ²Department of Phage Typing and Molecular Epidemiology, National Center for Epidemiology, Budapest;
³Institute of Bioanalysis, Faculty of Medicine, Pécs University, Pécs, Hungary
- 10.15 - 10.30 BE-7
 ESZTER OSTORHÁZI, ELVIRA VÖRÖS, ÉVA NEMES-
 NIKODÉM, KATINKA PÓNYAI, MÁRTA
 MARSCHALKÓ, SAROLTA KÁRPÁTI, FERENC
 ROZGONYI
Comparison of TPPA and TPHA methods in diagnosing early syphilis and in biological false-positivity
 Department of Dermatology, Venerology and Dermatoooncology,
 Semmelweis University, Budapest, Hungary
- 10.30 - 10.45 BE-8
 LÁSZLÓ KARI, MORGAN M. GOHEEN, LAUREN E.
 BAKIOS, WILLIAM M. WHITMIRE, HARLAN D.
 CALDWELL
Vaccination strategies against trachoma – experiments in *Cynomolgus* monkeys
 Laboratory of Intracellular Parasites, Rocky Mountain Laboratories,
 National Institute of Allergy, Hamilton, Montana, US
- 10.45 - 11.00 *Kávészünet*

11.00 - 12.30 Immunológia és Parazitológia Szekció

Üléselnök: Mándi Yvette és Kucsera István

11.00 - 11.15

IPE-1

ZOLTÁN LÁSZLÓ TISZLAVICZ¹, VALÉRIA ENDRÉSZ¹, BALÁZS NÉMETH¹, KLÁRA MEGYERI¹, LÁSZLÓ OROSZ¹, GYÖRGY SEPRÉNYI², YVETTE MÁNDI¹

Inducible expression of human β -defensin 2 by *Chlamydomophila pneumoniae* in brain capillary endothelial cells

¹Department of Medical Microbiology and Immunobiology; ²Department of Medical Biology, University of Szeged, Szeged, Hungary

11.15 - 11.30

IPE-2

JÁNOS MÁRKI-ZAY¹, GERGELY SZAKÁCS², LÍVIA MÉSZÁROS², GERGELY NAGY³, KATALIN JAKAB¹, BEÁTA VÉRTESSY³

Antimalarial drug discovery and development of new in vitro assays for the optimization of antimalarial therapy

¹Solvo Biotechnology and Department of Biochemistry, Faculty of Medicine, University of Szeged, Szeged; ²Membrane Research Group; ³Institute of Enzymology, Hungarian Academy of Sciences, Budapest, Hungary

11.30 - 11.45

IPE-3

KATALIN GLATZ, JÓZSEF DANKA, ERIKA OROSZ, ISTVÁN KUCSERA

Foodborne human parasitoses in Hungary: diagnostic techniques at the department of parasitology, results from the last decade

Department of Parasitology, National Center for Epidemiology, Budapest, Hungary

11.45 - 12.00

IPE-4

ENIKŐ BARABÁS-HAJDU¹, SIMONA MOCAN², ÁGNES MIHÁLY¹, DÉNES BARABÁS³

Human strongyloidiasis: a case report

¹Department of Microbiology, University of Medicine and Pharmacy, Tg. Mures; ²Pathology Unit, Emergency County Hospital, Tg. Mures; ³Institute for Physically and Mentally Disabled Persons, Brancovenesti, Romania

- 12.00 - 12.30 IPE-5
ISTVÁN KUCSERA, JÓZSEF DANKA, KATALIN GLATZ, ERIKA OROSZ
Laboratory diagnosis of human toxoplasmosis at the Department of Parasitology National Center for Epidemiology, Budapest, Hungary
 Department of Parasitology, National Center for Epidemiology, Budapest, Hungary
- 12.30 - 14.00 *Kávészünet*
- 14.00 - 15.30 **Bakteriológia 2. Szekció**
Üléselnök: Nagy Erzsébet és Füzi Miklós
- 14.00 - 14.15 BE-9
JÓZSEF SÓKI¹, MARINA GONZALEZ², ELISABETH NAGY¹, JUAN AYALA²
Investigation of the role of penicillin-binding proteins in the cefoxitin and carbapenem resistance of *Bacteroides fragilis* strains
¹Institute of Clinical Microbiology, University of Szeged, Szeged, Hungary;
²"Severo Ochoa" Molecular Biology Centre, Autonom University of Madrid, Madrid, Spain
- 14.15 - 14.30 BE-10
NOÉMI ANIKÓ BARTHA, JÓZSEF SÓKI, EDIT URBÁN, ERZSÉBET NAGY
Possible resistance mechanism behind elevated tigecycline MIC's in *Bacteroides* strains
 Institute of Clinical Microbiology, Albert Szent-Györgyi Clinical Center, University of Szeged, Szeged, Hungary
- 14.30 - 14.45 BE-11
GERGELY MARÓTI, ATTILA FARKAS, BALÁZS HORVÁTH, ÉVA KONDOROSI
Whole transcriptome analysis of differentially treated *Salmonella typhimurium* strains using solid next generation sequencing
 Bay Zoltán Applied Science Foundation, BayGen, Szeged, Hungary

14.45 - 15.00

BE-12

ZSUZSANNA BIRKÓ¹, KATALIN MEDZIHRASZKY²,
ÉVA HUNYADI-GULYÁS², KRISZTINA BUZÁS¹,
SÁNDOR BIRÓ¹

Proteomic analysis of effect of Factor C in *Streptomyces*

¹Department of Human Genetics, University of Debrecen, Debrecen;

²Proteomic Research Group, Biological Research Center, Hungarian
Academy of Sciences, Szeged, Hungary

15.00 - 15.15

BE-13

GERGELY KRIZSÁN¹, DÓRA SZABÓ¹, KATALIN
KRISTÓF², KÁROLY NAGY¹

Investigation of polymyxin-resistance in *Pseudomonas aeruginosa* clinical isolates

¹Institute of Medical Microbiology; ²Clinical Microbiological Diagnostic
Laboratory, Semmelweis University, Budapest, Hungary

15.15 - 15.30

BE-14

GERGELY KRIZSÁN¹, KATALIN KRISTÓF², DÓRA
SZABÓ¹, KÁROLY NAGY¹

**Interpretation of susceptibility results of
Stenotrophomonas maltophilia clinical isolates**

¹Institute of Medical Microbiology; ²Clinical Microbiological Diagnostic
Laboratory, Semmelweis University, Budapest, Hungary

Október 14. (csütörtök)

Poszter terem

9.30 - 10.30 **Környezeti Mikrobiológia és Biotechnológia Szekció**

KMP-1

BRIGITTA TAKÁCS, HOSAM BAYOUMI HAMUDA
**Environmental monitoring of Danube water quality in
Budapest region**

Environmental Protection Engineering, Óbuda University, Budapest,
Hungary

KMP-2

MÓNIKA KNÁB¹, KLAUDIA KISS², TIBOR SZILI-
KOVÁCS³, MÁRTON PALATINSZKY¹, KÁROLY
MÁRIALIGETI¹, JÁNOS MÓGA², ANDREA BORSODI¹
**Comparative study of microbial communities in soils
from two Hungarian karstic areas**

¹Department of Microbiology; ²Department of Physical Geography, Eötvös
Loránd University; ³Research Institute for Soil Science and Agricultural
Chemistry, Hungarian Academy of Sciences, Budapest, Hungary

KMP-3

JÓZSEF NAGY¹, LILI NAGY², ISTVÁN NAGY³,
ERZSÉBET BAKA⁴, ÁKOS TÓTH⁴, ANDRÁS
TÁNCICS⁴, BALÁZS KRISZT⁵, JÓZSEF KUKOLYA^{4,6}
**Microbial diversity of arsenic-rich thermal spring of
Köröm, Borsod Region, Hungary**

¹Bükk-Makk Leader Nonprofit Ltd., Bükkaranyos, Hungary; ²Földes Ferenc
Gimnázium, Miskolc, Hungary; ³Department of Structural Biology, Max
Planck Institute of Biochemistry, Martinsried, Germany; ⁴Regional
University Center of Excellence; ⁵Department of Environmental Protection
and Environmental Safety, Szent István University; ⁶Agruniver Holding
Environmental Management, Research and Technology Development Ltd.,
Gödöllő, Hungary

KMP-4

BOGLÁRKA BÁLINT¹, MÁRTON PALATINSZKY¹,
ZSUZSA KÉKI¹, KATALIN BARKÁCS², KÁROLY
MÁRIALIGETI¹

Microbiological and chemical analysis of a deep well

based drinking water distribution system

¹Department of Microbiology; ²Department of Analytical Chemistry, Eötvös Loránd University, Budapest, Hungary

KMP-5

MILÁN FARKAS¹, PÉTER GÁBOR VERES¹, EDIT KASZAB², ISTVÁN KERESZTÉNYI³, JUDIT HÁHN¹, ISTVÁN SZABÓ², BALÁZS KRISZT², SÁNDOR SZOBOSZLAY²

Isolation and examination of microorganisms detected in industrial wastewater samples containing hydrocarbons

¹Regional University Center of Excellence; ²Department of Environmental Protection and Environmental Safety, Szent István University, Gödöllő; ³DS Development, Refining & Marketing Division, MOL Hungarian Oil and Gas Plc., Százhalombatta

KMP-6

ERZSÉBET FEKETE, ÉVA FEKETE, LEVENTE KARAFFA

Degradation of trichloroethylene by *Pseudomonas putida* F1

Department of Genetics and Applied Microbiology, Faculty of Science and Technology, University of Debrecen, Debrecen, Hungary

KMP-7

ANDREA LAUKÓ¹, GYÖRGY VARGHA¹, ISTVÁN SZABÓ¹, GYÖRGY BARABÁS¹, ÉVA HUNYADI-GULYÁS², KATALIN MEDZIHRADESKY-FÖLKL², JUDIT KESERŐ¹

Selection for Actinomycetes capable for bioremediation of hydrocarbon-polluted soil and proteomic investigation of the most efficient strain

¹Department of Human Genetics, University of Debrecen, Debrecen; ²Proteomics Research Group, Biological Research Center, Hungarian Academy of Sciences, Szeged, Hungary

KMP-8

LAILA M.H. ABUSRIWIL¹, H.E.A.F. BAYOUMI HAMUDA², ALAELDDIN A. ELFOUGHI¹, IBRAHIM A. ISSA³

Integrated microbial activities for monitoring of bioremediation of cadmium-contaminated soil cultivated

by *Medicago sativa*

¹Environmental Sciences Ph.D. School, Szent István University, Gödöllő;

²Environmental Protection Engineering Institute, Óbuda University,

Budapest, Hungary; ³Soil and Water Department, Sirte University, Sirte, Libya.

KMP-9

ALAELEDDIN A. ELFOUGHI¹, H.E.A.F. BAYOUMI

HAMUDA², IBRAHIM A. ISSA³, LAILA M.H.

ABUSRIWIL¹, SZILVESZTER BENEDEK¹, GYÖRGY

FÜLEKY¹

Simple monitoring of soil biological activity as influenced by application of compost of different incubation time

¹Environmental Sciences Ph.D. School, Szent István University, Gödöllő;

²Environmental Protection Engineering Institute, Óbuda University,

Budapest, Hungary; ³Soil and Water Department, Sirte University, Sirte, Libya

KMP-10

BALÁZS LEITGEB

Studying the dynamic behavior of stereoisomeric forms of the antimicrobial peptide indolicidin

Institute of Biophysics, Biological Research Center, Hungarian Academy of Sciences, Szeged, Hungary

KMP-11

BALÁZS LEITGEB, LIZA HUDOBA, GÁBOR JANZSÓ,
GÁBOR RÁKHELY

Structural characterization of palindromic antimicrobial peptides rich in apolar amino acids

Institute of Biophysics, Biological Research Center, Hungarian Academy of Sciences, Szeged, HUNGARY

KMP-12

LIZA HUDOBA, GÁBOR JANZSÓ, GÁBOR RÁKHELY,
BALÁZS LEITGEB

Conformational analysis of antimicrobial peptide palindromes containing proline residues

¹Institute of Biophysics, Biological Research Center, Hungarian Academy of Sciences, Szeged, Hungary

KMP-13

IBRAHIM ISSA¹, HOSAM BAYOUMI HAMUDA²,
ALAELEDDIN ELFOUGHI³, LAILA ABUSRIWIL³

Metal bioavailability, changes in enzymatic activities and

microbial properties after bioremediation of a heavy metal-contaminated soil

¹Soil and Water Department, Sirte University, Sirte, Libya; ²Environmental Protection Engineering Institute, Óbuda University, Budapest;

³Environmental Sciences Ph.D. School, Szent István University, Gödöllő, Hungary

KMP-14

TERÉZ BARNA¹, CSABA FEKETE¹, RITA ELEK¹,
GYULA BATTÁ², GERGELY CSENDES¹, ÁKOS TÓTH³,
JÓZSEF KUKOLYA³

Characterization of the hemicellulolytic system of the plant wall degrader model organism *Thermobifida fusca*

¹Department of Genetics and Applied Microbiology; ²Department of Organic Chemistry, University of Debrecen, Debrecen; ³Regional University Center of Excellence, Szent István University, Gödöllő, Hungary

KMP-15

FLÓRA SEBŐK¹, CSABA DOBOLYI¹, MÍRA KÓSA-KOVÁCS¹, SÁNDOR SZOBOSZLAY², BALÁZS KRISZT²

Biodiversity of fungal community in sandy soil treated with compost from wastes of biomass-energy production

¹Regional University Centre of Excellence in Environmental Industry Based on Natural Resources; ²Department of Environmental Protection and Environmental Safety, Szent István University, Gödöllő, Hungary

KMP-16

PÉTER HARKAI¹, PÉTER VERES², MILÁN FARKAS²,
JÓZSEF KUKOLYA³, SÁNDOR SZOBOSZLAY¹,
BALÁZS KRISZT¹

Screening for new taxa from Actinomycete strain collection built in the early seventies

¹Department of Environmental Protection and Environmental Safety; ²Regional University Center of Excellence, Szent István University; ³Agruniver Holding Environmental Management, Research and Technology Development Ltd., Gödöllő, Hungary

KMP-17

ANITA KERN¹, BEATRIX KAPUSINSZKY², RENÁTA BÁNFI¹, MIHÁLY KÁDÁR¹, MÁRTA VARGHA¹

Prevalence of human pathogen viruses in Hungarian surface waters: the first results

¹Department of Water Microbiology, National Institute for Environmental Health; ²Department of Virology, National Institute for Epidemiology,

12.00 – 13.00

Budapest, Hungary

Mikológia Szekció

MP-1

ZOLTÁN KARÁCSONY, ZSUZSANNA HAMARI

Construction of a bidirectional *E. coli*/*Aspergillus nidulans* autonomous replicative expression vector

Department of Microbiology, Faculty of Sciences and Informatics,
University of Szeged, Szeged, Hungary

MP-2

BARBARA KOVÁCS¹, VALÉRIA TOMORI¹, ERZSÉBET
OROSZ¹, ÉVA LEITER¹, ISTVÁN PÓCSI¹, JAE-HYUK
YU²

**Heterotrimeric g protein signaling is involved in PAF
toxicity in the relative *Aspergillus nidulans* and
Aspergillus fumigatus species**

¹Department of Microbial Biotechnology and Cell Biology, Faculty of
Sciences, University of Debrecen, Hungary; ²Department of Bacteriology,
University of Wisconsin-Madison, Madison, WI, USA

MP-3

MELINDA SZILÁGYI¹, NAK-JUNG KWON², CSILLA
DOROGI¹, ISTVÁN PÓCSI¹, JAE-HYUK YU², TAMÁS
EMRI¹

**Autolysis and extracellular glucanase production in
*Aspergillus nidulans***

¹Department of Microbial Biotechnology and Cell Biology, Faculty of
Science and Technology, University of Debrecen, Debrecen, Hungary;
²Departments of Bacteriology and Genetics, University of Wisconsin,
Madison, USA

MP-4

VIKTÓRIA TÓTH, CSILLA TERÉZIA NAGY,
ZSUZSANNA BORDÁN, ISTVÁN PÓCSI, TAMÁS EMRI
**Echinocandin sensitivity of *Aspergillus nidulans* var.
*roseus***

Department of Microbial Biotechnology and Cell Biology, University of
Debrecen, Debrecen, Hungary

MP-5

RÉKA LANGMÁR-NAGY

A yeast orphan gene

Department of Genetics and Applied Microbiology, University of Debrecen,

Debrecen, Hungary

MP-6

GÁBOR PAPP¹, ESZTER HORVÁTH¹, ZOLTÁN
GAZDAG¹, NÓRA MIKE¹, GERGŐ SIPOS¹, CSABA
VÁGVÖLGYI², MIKLÓS PESTI¹

**Zearalenone caused citotoxic effect and adaptation in
*Schizosaccharomyces pombe***

¹Department of General and Environmental Microbiology, Faculty of
Sciences, University of Pécs, Pécs; ²Department of Microbiology, Faculty of
Science and Informatics, University of Szeged, Szeged, Hungary

MP-7

ESZTER HORVÁTH¹, GÁBOR PAPP¹, JÓZSEF
BELÁGYI², ZOLTÁN GAZDAG¹, NÓRA MIKE¹,
BALÁZS KŐSZEGI¹, CSABA VÁGVÖLGYI³, MIKLÓS
PESTI¹

**Patulin-induced plasma membrane fluidization and
oxidative stress induction in *Schizosaccharomyces pombe***

¹Department of General and Environmental Microbiology, Faculty of
Sciences; ²Institute of Biophysics, Faculty of Medicine, University of Pécs,
Pécs; ⁴Department of Microbiology, Faculty of Science and Informatics,
University of Szeged, Szeged, Hungary

MP-8

HAJNALKA CSOMA, NÓRA ZÁKÁNY, MATTHIAS
SIPICZKI

Examination of yeast diversity in „badacsonyi kéknyelű”

Department of Genetics and Applied Microbiology, University of Debrecen,
Debrecen, Hungary

MP-9

HAJNALKA CSOMA, NÓRA ZÁKÁNY, MATTHIAS
SIPICZKI

**Taxonomic identification of yeasts isolated from
spontaneously fermenting “ezerjő”**

Department of Genetics and Applied Microbiology, University of Debrecen,
Debrecen, Hungary

MP-10

MÓNIKA KOVÁCS, ERZSÉBET PALLAG, ANNA
MARÁZ

**Induction of deoxy-glucose resistant *Debaryomyces
occidentalis* strains for the enhancement of amyolytic**

enzyme system and ethanol production ability

Department of Microbiology and Biotechnology, Corvinus University of Budapest, Budapest, Hungary

15.00 - 16.00

Virologia Szekcio

VP-1

ÁKOS BOROS, MÁRIA ÚJ, PÉTER PANKOVICS,
GÁBOR REUTER

Detection and characterization of human parechoviruses in archived cell cultures, in Hungary

Regional Laboratory of Virology, ÁNTSZ Regional Institute of State Public Health Service, Pécs, Hungary

VP-2

ENIKŐ FEHÉR, GÁBOR KARDOS, ATTILA NOCHTA,
CSILLA PÉTER, LAJOS GERGELY, KRISZTINA SZARKA

Investigation of the subtype distribution of genogroup 1 Torque Teno virus in mucosal samples collected from the uterine cervix and the head and neck region

Department of Medical Microbiology, University of Debrecen, Debrecen, Hungary

VP-3

ATTILA FARSANG, SÁNDOR BERNÁTH, GÁBOR KULCSÁR

TTV infection of pregnant women in Hungary

Directorate of Veterinary Medicinal Products, Central Agricultural Office, Budapest, Hungary

VP-4

TAMÁS GÁLL, ATTILA NOCHTA, CSILLA PÉTER,
ANDREA KIS, KRISZTINA SZARKA

Lack of genetic or epigenetic alterations in the background of initial response to cidofovir and later relapse in a severe juvenile recurrent respiratory papillomatosis caused by HPV11

Department of Medical Microbiology, University of Debrecen, Debrecen, Hungary

Október 15. (péntek)

1. sz. terem

8.30 - 10.30 **Virologia Szekció - Genetikai és epigenetikai elemzés, szabályozás**

Üléselnök: Benkő Mária és Veress György

8.30 - 8.45

VE-11

ANDOR DOSZPOLY, BALÁZS HARRACH, MÁRIA BENKŐ

Genome analysis of fish Adenovirus, the only member of the fifth genus of *Adenoviridae*

Veterinary Medical Research Institute, Hungarian Academy of Sciences, Budapest, Hungary

8.45 - 9.00

VE-12

MÁRTON VIDOVSZKY¹, JUSTYNA RUMINSKA², SANDRA RAMELLI², WILLY DECURTINS², ANDOR DOSZPOLY¹, GABRIELLA SKODA¹, SILVIO HEMMI³, BALÁZS HARRACH¹, URS GREBER²

Characterisation of the Murine Adenovirus 2 genome and partial sequences from similar rodent adenoviruses

¹Veterinary Medical Research Institute, Hungarian Academy of Sciences, Budapest, Hungary; ²Institute of Molecular Life Sciences, University Zürich, Zürich, Switzerland

9.00 - 9.15

VE-13

LAURA PANTÓ, BALÁZS HARRACH, MÁTÉ JÁNOSKA

Phylogenetic analysis of Simian Adenoviruses

Veterinary Research Institute, Hungarian Academy of Sciences, Budapest, Hungary

9.15 - 9.30

VE-14

DÓRA TOMBÁ CZ, JUDIT TÓTH, IRMA TAKÁCS, ZSOLT BOLDOGKŐI

Investigations on the transcription patterns of Aujeszky Disease Virus mutants

Faculty of Medicine, University of Szeged, Szeged, Hungary

- 9.30 - 9.45 VE-15
ANDREA KIS, TAMÁS GÁLL, CSILLA PÉTER, ATTILA NOCHTA, KRISZTINA SZARKA
Genetic and epigenetic alterations in the Ink4a/Arf tumor suppressor locus in head and neck cancer
Department of Medical Microbiology, University of Debrecen, Debrecen, Hungary
- 9.45 - 10.00 VE-16
ANNAMÁRIA FERENCZI, ESZTER GYÖNGYÖSI, T. GÁLL, A. KIS, JÓZSEF KÓNYA, GÁBOR VERESS
Functional analysis of HPV 31 lcr (long control region) sequence variation
Department of Medical Microbiology, Medical and Health Science Centre, University of Debrecen, Debrecen, Hungary
- 10.00 - 10.15 VE-17
ESZTER ORAVECZNÉ GYÖNGYÖSI, ANITA SZALMÁS, ANNAMÁRIA FERENCZI, JÓZSEF KÓNYA, GYÖRGY VERESS
Human papillomavirus oncogenes down-regulate involucrin expression
Department of Medical Microbiology, Medical and Health Science Center, University of Debrecen, Debrecen, Hungary
- 10.15 - 10.30 VE-18
KÁLMÁN SZENTHE¹, ANITA KOROKNAI¹, FERENC BÁNÁTI¹, ZOLTÁN BÁTHORI¹, HANS-HELMUT NILLER², DÁNIEL SALAMON³, JÁNOS MINÁROVITS¹
Epigenetic regulation of the Human Microrna MIR-146a in EBV positive and negative cell lines
¹Microbiological Research Group, National Institute for Epidemiology, Budapest, Hungary; ²Institute for Medical Microbiology, University of Regensburg, Regensburg, Germany; ³Department of Microbiology, Karolinska Institutet, Stockholm, Sweden
- 10.30 - 10.45 *Kávészünet*

10.45 - 12.15

Virologia Szekció - Új vírusok

Üléselnök: Reuter Gábor és Szomor Katalin

10.45 - 11.00

VE-19

ENIKŐ BÁN, KATALIN SZOMOR, EMŐKE FERENCZI

Imported viral zoonoses in Hungary

Department of Virology, National Center for Epidemiology, Budapest, Hungary

11.00 - 11.15

VE-20

VIKTÓRIA NÉMETH¹, MÓNIKA MADAI¹,
ALEXANDRA MARÁCZI¹, BÁLINT BÉRCZI¹, GYŐZŐ
HORVÁTH⁴, MIKLÓS OLDAL¹, TAMÁS KOVÁCS¹,
KRISZTIÁN BÁNYAI⁴, FERENC JAKAB^{1,2}

**Prevalence of Dobrava-Belgrade and Saaremaa
Hantaviruses among *Apodemus* mice in Hungary and
Northern Croatia**

¹Virological Research Group, Institute of Biology, Faculty of Sciences;

²Virological Laboratory, Department of Medical Microbiology and Immunology, Medical School; ³Department of Animal Ecology, Institute of Biology, Faculty of Sciences, University of Pécs, Pécs, Hungary;

⁴Veterinary Medical Research Institute, Hungarian Academy of Sciences, Budapest, Hungary

11.15 - 11.30

VE-21

MÓNIKA BALLMANN, BALÁZS HARRACH, MÁRTON
VIDOVSKY

Detection of new Adenoviruses in birds

Veterinary Research Institute, Hungarian Academy of Sciences, Budapest, Hungary

11.30 - 11.45

VE-22

PÉTER PANKOVICS¹, ZOLTÁN KUGLER², ANDREA
KÁTAI³, GÁBOR REUTER¹

**First gastroenteritis outbreak caused by *Sapovirus* in
Hungary - part of an international epidemic?**

¹ÁNTSZ Regional Institute of State Public Health Service, Pécs; ²ÁNTSZ Regional Institute of State Public Health Service, Kecskemét; ³ÁNTSZ Regional Institute of State Public Health Service, Szeged, Hungary

11.45 - 12.00

VE-23

BRIGITTA LÁSZLÓ

Occurrence of unusual and vaccine targeted rotavirus strains in a multicentric survey in Hungary

Department of Medical Microbiology, Medical and Health Science Center, University of Debrecen, Debrecen, Hungary

12.00 - 12.15

VE-24

ESZTER CSOMA¹, BEÁTA MÉSZÁROS¹, LÁSZLÓ ASZTALOS², LAJOS GERGELY¹

Prevalence of Wu and Ki Polyomaviruses among renal transplanted patients

¹Institute of Medical Microbiology; ²Institute of Surgery, University of Debrecen, Debrecen, Hungary

Október 15. (péntek)

2. sz. terem

8.30 - 10.00 Környezeti Mikrobiológia és Biotechnológia 1. Szekció

Üléselnök: Márialigeti Károly és Bayoumi Hamuda

8.30 - 8.45

KME-1

KÁROLY MÁRIALIGETI¹, TAMÁS FELFÖLDI¹,
ANDREA K. BORSODI¹, ERIKA M. TÓTH¹, LAURA
JURECSKA², ISTVÁN MÁTHÉ³

**Physico-chemical, and microbiological characteristics of
the stratified hypersaline heliothermal Lake Medve
(Ursu) (Sovata, Romania)**

¹Department of Microbiology; ²Department of Analytical Chemistry, Eötvös
L. University, Budapest, Hungary; ³Department of Technical and Natural
Sciences, Sapientia Hungarian University of Transylvania Miercurea Ciuc,
Miercurea Ciuc, Romania

8.45 - 9.00

KME-2

TAMÁS FELFÖLDI¹, BOGLÁRKA SOMOGYI², LAJOS
VÖRÖS², KÁROLY MÁRIALIGETI¹

**Characterization of microscopic eukaryote assemblages
with group-specific investigations in Lake Fertő
(Neusiedler See, Austria/Hungary)**

¹Department of Microbiology, Eötvös Loránd University, Budapest;
²Balaton Limnological Research Institute, Hungarian Academy of Sciences,
Tihany, Hungary

9.00 - 9.15

KME-3

GERGELY KRETT, MÁRTON PALATINSZKY,
KÁROLY MÁRIALIGETI, ANDREA BORSODI

**Spatial distribution and diversity of water and sediment
microbiota of Lake Hévíz revealed by denaturing
gradient gel electrophoresis**

Department of Microbiology, Eötvös Loránd University, Budapest, Hungary

9.15 - 9.30

KME-4

MÓNIKA KNÁB¹, KATALIN CZEIBERT¹, GERGELY KRETT¹, JUDIT MAKK¹, ANITA ERŐSS², JUDIT MÁDL-SZŐNYI², KÁROLY MÁRIALIGETI¹, ANDREA BORSODI¹

Biofilm bacterial communities associated with cave walls in the Buda thermalkarst system

¹Department of Microbiology; ²Department of Physical and Applied Geology, Budapest, Hungary

9.30 - 9.45

KME-5

ZSUZSANNA NAGYMÁTÉ, ZALÁN HOMONNAY, KÁROLY MÁRIALIGETI

Assay the affecting factors of nitrification process in drinking water networks

Department of Microbiology, Eötvös Loránd University, Budapest, Hungary

9.45 - 10.00

KME-6

ZSUZSA KÉKI¹, JUDIT MAKK¹, KATALIN BARKÁCS², MÁRTON PALATINSZKY¹, KÁROLY MÁRIALIGETI¹, ERIKA M. TÓTH¹

Biofilm elimination from mixed bed ion-exchange resin of a water purification system

¹Department of Microbiology; ³Department of Analytical Chemistry, Eötvös Loránd University, Budapest, Hungary

10.00 - 10.15

Kávészünet

10.15- 11.45

Környezeti Mikrobiológia és Biotechnológia 2. Szekció

Üléselnök: M Tóth Erika és Szili-Kovács Tibor

10.15 - 10.30

KME-7

BALÁZS VAJNA, KÁROLY MÁRIALIGETI, DÁNIEL SZILI

The optimization and applicability of the terminal restriction fragment length polymorphism (T-RFLP) data processing

Department of Microbiology, Eötvös Loránd University, Budapest, Hungary

10.30 - 10.45

KME-8

ILDIKÓ KATALIN NAGY¹, GERGELY MARÓTI¹,

ATTILA FARKAS¹, JUDIT MARÓTI², KORNÉL KOVÁCS², GÁBOR RÁKHELY²

Expression and activity analysis of Hox2 hydrogenase in *Thiocapsa roseopersicina*

¹Bay Zoltán Applied Science Foundation, BayGen; ²Department of Biotechnology, University of Szeged, Szeged, Hungary

10.45 - 11.00

KME-9

ÁGNES HUBERT¹, YASUO MITANI², TOMOHIRO TAMURA², ROLAND WILHELM KNISPEL¹, MARIUS BOICU¹, STEPHAN NICKELL¹, WOLFGANG BAUMEISTER¹, ISTVÁN NAGY¹

Developing of scFv library to purify protein complexes from *Thermoplasma acidophilum*

¹Department of Molecular Structural Biology, Max Planck Institute of Biochemistry, Planegg-Martinsried, Germany; ²Proteolysis and Protein Turnover Research Group, Research Institute of Genome-Based Biofactory, Sapporo, Japan

11.00 - 11.15

KME-10

ERZSÉBET BAKA¹, BALÁZS KRISZT², CÉDRIC HOBEL³, ROLAND WILHELM KNISPEL⁴, WOLFGANG BAUMEISTER⁴, ISTVÁN NAGY⁴, JÓZSEF KUKOLYA⁵

Genetic tools for *Thermoplasma acidophilum*: achievements and applications

¹Regional University Center of Excellence in Environmental Industry; ²Department of Environmental Protection & Environmental Safety, Szent István University, Gödöllő, Hungary; ³Department of Protein Evolution, Max-Planck-Institute for Developmental Biology, Tübingen; ⁴Department of Structural Biology, Max Planck Institute of Biochemistry, Planegg-Martinsried, Germany; ⁵Agruniver Holding Environmental Management, Research and Technology Development Ltd., Gödöllő, Hungary

11.15 - 11.30

KME-11

CSILLA KRIFATON¹, JÓZSEF KUKOLYA², SÁNDOR SZOBOSZLAY¹, ÁDÁM SZŰCS³, BALÁZS KRISZT¹

New screening methods in mycotoxin biodegradation and metabolism research

¹Department of Environmental Protection & Safety, Szent István University; ²Agruniver Holding Environmental Management, Research and Technology Development Ltd.; ³Regional Center of Excellence, Szent István University, Gödöllő, Hungary

11.30 - 11.45

Kávészünet

11.45 - 13.00

Környezeti Mikrobiológia és Biotechnológia 3. Szekció

Üléselnök: Borsodi Andrea és Kárpáti Éva

11.45 - 12.00

KME-12

ANDRÁS TÁNCICS¹, ZOLTÁN MAYER¹, MILÁN FARKAS¹, ISTVÁN SZABÓ², SÁNDOR SZOBOSZLAY², JÓZSEF KUKOLYA³, BALÁZS KRISZT²

Characterization of active microbial community of hypoxic, aromatic hydrocarbon contaminated groundwater: detection and diversity of catechol 2,3-dioxygenase mRNA and 16S rRNA transcripts

¹Regional University Center of Excellence in Environmental Industry;

²Department of Environmental Protection and Environmental Safety, Szent István University; ³Agruniver Holding Environmental Management, Research and Technology Development Ltd., Gödöllő, Hungary

12.00 - 12.15

KME-13

ÉVA MÉSZÁROS, GÁBOR CEBE, ANITA MOHR, CSABA ROMSICS, KÁROLY MÁRIALIGETI, RITA SIPOS

Complex molecular biological investigation of TCE-contaminated microcosms to reveal microbial community changes with respect to electron donor amendments

Department of Microbiology, Eötvös Loránd University, Budapest, Hungary

12.15 - 12.30

KME-14

ZSÓFIA HERBEL¹, ANDRÁS TÓTH², KORNÉL L. KOVÁCS^{1,2}, GÁBOR RÁKHELY^{1,2}

Conversion of cellulose containing plant biomass to hydrogen by *Caldicellulosiruptor saccharolyticus*

¹Department of Biotechnology, University of Szeged; ²Institute of Biophysics, Biological Research Center, Hungarian Academy of Sciences, Szeged, Hungary

12.30- 12.45

KME-15

BAYOUMI HAMUDA H.E.A.F., BRIGITTA TAKÁCS,

ISTVÁN PATKÓ

Impacts of wastewater sludge on carbon dynamics and biochemical activities in meadow chernozem, “kovárvány” brown forest soil

Environmental Protection Engineering Institute, Óbuda University, Budapest, Hungary

12.45 - 13.00

KME-16

SÁNDOR BALÁZSY¹, GÁBOR TÓTH², ERZSÉBET PUSKÁS², MÁRTA BÁRKÁNYI², ILDIKÓ MATOLCSI², ANDREA VAJDA²

The efficiency of different biological sewage treatment technologies in the reduction of the number of the bacteria

¹Institute of Biology, College of Nyíregyháza; ²Nyírségvíz Zrt., Nyíregyháza, Hungary

Október 15. (péntek)

Gulács terem

10.00 - 12.00 Bakteriológia 3. Szekció

Üléseelnök: Emődý Levente és Rozgonyi Ferenc

10.00 - 10.15

BE-15

MIKLÓS FÜZI, ORSOLYA DOBAY, SZILVIA KARDOS,
ANDREA HORVÁTH, PÉTER HORVÁTH SIVAN
ZISSMAN, KÁROLY NAGY

**High-level resistance to ciprofloxacin compromises
viability and possibly also capacity of dissemination of
methicillin-resistant *Staphylococcus aureus* (MRSA)**

Institute of Medical Microbiology, Semmelweis University, Budapest,
Hungary

10.15 - 10.30

BE-16

KRISZTINA LAUB, SZILVIA KARDOS, KÁROLY
NAGY, ORSOLYA DOBAY

***Staphylococcus aureus* carriage in healthy 3rd-year
students of Semmelweis Medical University, Budapest**

Institute of Medical Microbiology, Semmelweis University, Budapest,
Hungary

10.30 - 10.45

BE-17

ORSOLYA DOBAY, ADRIENN TÓTHPÁL, SZILVIA
KARDOS, KÁROLY NAGY

**Vaccine coverage of conjugate Pneumococcal vaccines
against clinical and carried isolates in Hungary**

Institute of Medical Microbiology, Semmelweis University, Budapest,
Hungary

10.45 - 11.00

BE-18

SZILVIA KARDOS¹, MIKLÓS FÜZI¹, KATALIN
KRISTÓF², KÁROLY NAGY¹, ORSOLYA DOBAY¹

**Demonstration of the hypervirulent St17 clone of
Streptococcus agalactiae in Hungary**

¹Institute of Medical Microbiology; ³Clinical Microbiological Diagnostic
Laboratory, Semmelweis University, Budapest, Hungary

- 11.00 - 11.15 BE-19
GÁBOR KARDOS¹, MILÁN KRIKOVICS¹, ANITA SZABÓ¹, JÚLIA MÉSZÁROS², ÁGNES JUHÁSZ², LÁSZLÓ MAJOROS¹
Prevalence of asymptomatic carriers of ESBL producers in the community in Northeastern Hungary
¹Department of Medical Microbiology, University of Debrecen; ²ÁNTSZ Laboratory Ltd., Debrecen, Hungary
- 11.15 - 11.30 BE-20
BERNADETT KHAYER
Identification of host adaptation markers of *Bordetella bronchiseptica* with PCR-RFLP analysis
Veterinary Medical Research Institute, Hungarian Academy of Sciences, Budapest, HUNGARY
- 11.30 - 11.45 BE-21
BOGLÁRKA SELLYEI¹, ENIKŐ WEHMANN¹, LÁSZLÓ MAKRAI², TIBOR MAGYAR¹
Relevance of the biolog system for the identification of the members of *Pasteurella sensu stricto*
¹Veterinary Medical Research Institute, Hungarian Academy of Sciences; ²Department of Microbiology and Infectious Diseases, Faculty of Veterinary Science, Szent István University, Budapest, Hungary
- 11.45 - 12.00 BE-22
ARIEL IMRE, ÁGNES BUKOVINSZKI, PAUL BARROW
Gene expression analysis of different *Salmonella* serovars inside avian macrophages
¹Veterinary Medical Research Institute, Hungarian Academy of Sciences, Budapest; ²Agricultural Biotechnology Center, Gödöllő, Hungary; ³School of Veterinary Medicine and Science, University of Nottingham, Sutton Bonington, UK

Október 15. (péntek)

Poszter terem

8.30 - 9.30

Bakteriológia Szekció

BP-1

ÁGNES DORN¹, GYÖRGYI HORVÁTH², JUDIT KLÁRA KOVÁCS¹, GYÖRGY SCHNEIDER¹

Effect of herbal extracts on the growth of pathogenic bacteria

¹Department of Medical Microbiology and Immunology; ²Institute of Pharmacognosy, University of Pécs, Pécs, Hungary

BP-2

MÓNIKA KERÉNYI¹, ESZTER VÖRÖS¹, ISTVÁN BÁTAI², LEVENTE EMÖDY¹

Human uropathogenic *Escherichia coli* strains may carry Hly_a plasmid

¹Department of Microbiology and Immunology; ²Department of Anaesthesia and Intensive Therapy, University of Pécs, Pécs, Hungary

BP-3

JUDIT KLÁRA KOVÁCS, LEVENTE EMÖDY, GYÖRGY SCHNEIDER

Adhesion potential of human isolate *Campylobacter jejuni* strains to the extracellular matrix proteins type IV collagen, fibronectin and laminin

Department of Medical Microbiology and Immunology, University of Pécs, Pécs, Hungary

BP-4

ANDREA LÁZÁR, MARIANN PAPPNÉ ÁBRÓK, EDIT URBÁN

Characterization of ESBL producing bacteria according to the species and origin of sample between 2005 and 2009 in the Institute of Clinical Microbiology, University of Szeged

Institute of Clinical Microbiology, University of Szeged, Szeged, Hungary

BP-5

SZILVIA MELEGH, GYÖRGY SCHNEIDER, LEVENTE EMÖDY, ZOLTÁN TIGYI

Evaluation of clonal diversity, biofilm formation and type 3 fimbria production by extended spectrum beta-lactamase positive *Klebsiella pneumoniae* isolates

Department of Medical Microbiology and Immunology, University of Pécs, Pécs, Hungary

BP-6

ESZTER OSTORHÁZI, BALÁZS FARKAS, KATINKA PÓNYAI, SAROLTA KÁRPÁTI, FERENC ROZGONYI

Incidence and antibiotic resistance of *Ureaplasma urealyticum* cultured from genital discharges of sexually active individuals

Department of Dermatology, Venerology and Dermatocology, Semmelweis University, Budapest, Hungary

BP-7

ÁGNES MIRA SZABÓ, ILDIKÓ FALUDI, ANDRÁS MICZÁK

Meropenem sensitivity of *Mycobacteria*

Department of Medical Microbiology and Immunobiology, University of Szeged, Szeged, Hungary

BP-8

VALÉRIA SZIJÁRTÓ

Cross-protection and immune response provoked by live *Shigella* mutants lacking major immunodeterminants

Department of Medical Microbiology and Immunology, University of Pécs, Pécs, Hungary

BP-9

ÁDÁM MESAROS, GERGELY RÓNA, LÍVIA MARTON, SZILVIA GEDEY, MÁRTON JANI, JÁNOS MÁRKI-ZAY

Investigation of antimalarials with transporters using in vitro assays

Solvo Biotechnology and Department of Biochemistry, Faculty of Medicine, University of Szeged, Szeged, Hungary

MÉP-1

FERENC PELES, TÍMEA BÁCASKAI, ZSUZSANNA SZABÓ, ZOLTÁN GYÓRI

Changes in the microbiological status of wheat grains and sprouts during sprouting process

Institute of Food Science, Quality Assurance and Microbiology, Centre for Agricultural and Applied Economics, University of Debrecen, Debrecen, Hungary

MÉP-2

GABRIELLA MÁTHÉ-GÁSPÁR, PÉTER MÁTHÉ

Changes of soil phosphate content and phosphatase activity

Research Institute for Soil Science and Agricultural Chemistry, Hungarian Academy of Sciences, Budapest, Hungary

MÉP-3

ILDIKÓ PUSPÁN¹, RITA KOVÁCS¹, JUDIT MAKK², KÁROLY TAKÁCS³, BALÁZS ERDÉLYI³, JÓZSEF KUTASI⁴, ÉVA KÁRPÁTI¹

Parasporal protein crystals of *Bacillus thuringiensis* type strains: microscopic observations and protein patterns

¹Saniplant Ltd.; ²Department of Microbiology, Eötvös Loránd University; ³Fermentia Ltd., ⁴BioFil Ltd., Budapest, Hungary

MÉP-4

MARIANNA MAKÁDI¹, VIKTÓRIA OROSZ¹, ATTILA TOMÓCSIK¹, BORBÁLA BIRÓ²

Long-term effect of bentonite treatments on some quantitative and qualitative soil biological parameters

¹Research Institute of CAAES, University of Debrecen, Nyíregyháza; ²Research Institute of Soil Science and Agricultural Chemistry, Hungarian Academy of Sciences, Budapest, HUNGARY

MÉP-5

RITA KOVÁCS¹, ÉVA KÁRPÁTI¹, ILDIKÓ PUSPÁN¹, CSILLA IMRE¹, GYULA ÁRVAY², BÉLA TÓTH², JÓZSEF KUTASI³

Entomophyl soil bacteria isolated from western corn rootworm

¹Saniplant Ltd., Budapest; ²Baranya County Agricultural Office, Pécs;
³Biofil Ltd., Budapest, Hungary

MÉP-6

ZITA SASVÁRI¹, ILDIKÓ PUSPÁN², RITA KOVÁCS²,
ÉVA KÁRPÁTI², KATALIN POSTA¹

Horticultural application of a commercial mycorrhizal product in Hungary

¹Microbiological and Environmental Toxicology Group, Institute of Plant Protection, Szent István University, Gödöllő; ²Saniplant Ltd, Budapest, Hungary

MÉP-7

LÁSZLÓ KÖDÖBÖCZ¹, LÁSZLÓ R. ZSIROS², ATTILA MURÁNYI¹

Soybean inoculation: host specificity and efficiency

¹Department of Soil Science, Research Institute for Soil Science and Agricultural Chemistry; ²Plant Protection Institute, Hungarian Academy of Sciences, Budapest, Hungary

MÉP-8

MÁTYÁS CSERHÁTI¹, CSILLA KRIFATON¹, SÁNDOR SZOBOSZLAY¹, JUDIT HÁHN³, JÓZSEF KUKOLYA²,
BALÁZS KRISZT¹

Aflatoxin b1 degradation activity of soil bacteria isolated from oil polluted sites

¹Department of Environmental Protection and Environmental Safety, Szent István University; ²Agruniver Holding Environmental Management, Research and Technology Development Ltd.; ³Regional University Center of Excellence, Szent István University, Gödöllő, Hungary

MÉP-9

ANETT MADAR¹, MÓNIKA FAZEKAS², IDA MIKLÓS¹,
MÁTYÁS SIPICZKI¹, FERENC ABONYI², PÉTER LAKATOS²,
BARBARA BALLA², IMRE JÁNOS HOLB²

Are its sequences suitable for detecting interspecific polymorphism of *Monilinia laxa*?

¹Department of Genetics and Molecular Biology; ²Plant Protection Institute, University of Debrecen, Debrecen, Hungary

MÉP-10

MÓNKA FAZEKAS¹, ANETT MADAR², MÁTYÁS
SIPICZKI², IDA MIKLÓS², FERENC ABONYI¹, PÉTER
LAKATOS¹, BARBARA BALLA¹, IMRE JÁNOS HOLB¹

**Genetic diversity of *Monilinia fructigena* populations
from Hungary**

¹Plant Protection Institute, Centre for Agricultural Sciences and
Engineering; ²Department of Genetics and Molecular Biology, University of
Debrecen, Debrecen, Hungary

MÉP-11

TAMÁS KOVÁCS

**Bacteriophage-therapy against fire-blight of apple trees -
isolation and characterization of phages against *Erwinia
amylovora*, penetration and application results**

Enviroinvest Inc., Budapest, Hungary

MÉP-12

CSABA NÉMETH, LÁSZLÓ FRIEDRICH, JÓZSEF
SURÁNYI

**Effect of changes in heat resistance of *Salmonella* spp.
during pasteurization on the efficiency of long term heat
treatment**

Department of Refrigeration and Livestock Products Technology, Corvinus
University of Budapest, Budapest, Hungary

MÉP-13

JÁNOS MÁRKI-ZAY¹, ILONA PFEIFFER², ILDIKÓ
LANTOS², NÓRA GAÁL², ZOLTÁN FARKAS²,
ANDRÁS SZEKERES³, ANITA KECSKEMÉTI³, CSABA
VÁGVÖLGYI²

**Development and evaluation of methods for the detection
of *Brettanomyces* in wine**

¹Solvo Biotechnology and Department of Biochemistry, Faculty of
Medicine; ²Department of Microbiology, University of Szeged, Szeged;
³Fumoprep Ltd., Mórahalom, Hungary

MÉP-14

KÁROLY TAKÁCS

**Optimization of the fermentation conditions for toxin
production of *Bacillus thuringiensis* sp.**

Fermentia Ltd., Budapest, Hungary

MÉP-15

ZSANETT LŐRINCZ

**Enzyme production and fiber bioconversion of
Thermomyces lanuginosus and *Pichia stipitis* on rapeseed
cake substrate**

Dr. Bata Canadian-Hungarian Biotechnological R&D Co., Ócsa, Hungary

MÉP-16

ZSANETT LŐRINCZ, JÓZSEF KUTASI, KÁLMÁNNÉ
SZÉNÁSI, ÁRPÁD BATA

**The effect of a zinc- and copper-chelates on the viability
of the fungus *Thermomyces lanuginosus* and the stability
of the produced endo-1,4-beta-xylanase**

Dr. Bata Canadian-Hungarian Biotechnological R&D Co., Budapest,
Hungary

MÉP-17

ILDIKÓ BATA-VIDÁCS

Heat adaptation of *Cronobacter sakazakii*

Department of Microbiology, Central Food Research Institute, Budapest,
Hungary;

MÉP-18

ÁGNES BELÁK, CSILLA MOHÁCSI-FARKAS, ANNA
MARÁZ

**General requirements for the organisation and operation
of PCR laboratories for diagnostic purposes**

Department of Microbiology and Biotechnology, Faculty of Food Science,
Corvinus University of Budapest, Budapest, Hungary

MÉP-19

ORSOLYA SZÉN¹, KÁROLY PÁL², BEÁTA BÓKA²,
ATTILA KISS², ZOLTÁN NAÁR²

Antimicrobial activity of potentially probiotic bacteria

¹Egerfood Regional Knowledge Centre; ²Department of Microbiology and
Food Technology, Eszterházy Károly College, Eger, Hungary

MÉP-20

KÁROLY PÁL¹, ORSOLYA SZÉN², ATTILA KISS¹,
ZOLTÁN NAÁR¹

Development of a novel molecular quantification method for probiotic bacteria, cultivated in prebiotic-containing liquid medium

¹Institute for Food Microbiology; ²Egerfood Regional Knowledge Centre, Eszterházy Károly College, Eger, Hungary

MÉP-21

KATALIN HUSZTI¹, KATA KALÓCZKAI², ZOLTÁN NAÁR²

Examination the effect of prebiotic compounds on probiotic bacteria reproduction

¹Laboratory of Molecular Biology, Egerfood Regional Knowledge Centre; ²Department of Microbiology and Food Technology, Eszterházy Károly College, Eger, Hungary

MÉP-22

KATA KALÓCZKAI¹, SZABOLCS MOLNÁR²,
KATALIN HUSZTI², KÁROLY PÁL¹, ORSOLYA SZÉN²,
ZOLTÁN NAÁR¹

In vitro antimicrobial activity of propolis against probiotic bacteria

¹Department of Microbiology and Food Technology; ²Egerfood Regional Knowledge Center, Eszterházy Károly College, Eger, Hungary

MÉP-23

KATALIN HUSZTI¹, KATA KALÓCZKAI²,
ZSUZSANNA FEJES², KÁROLY PÁL², ZOLTÁN NAÁR²

Identification of *Lactobacillus* and *Bifidobacterium* species from human origin by high resolution melt curve analysis

¹Laboratory of Molecular Biology, Egerfood Regional Knowledge Centre; ²Department of Microbiology and Food Technology, Eszterházy Károly College, Eger, Hungary

IP-1

NORBERT ÁCS¹, GÁBOR RÁKHELY¹, ZOLTÁN BAGI²,
ETELKA KOVÁCS², KORNÉL KOVÁCS²

The usage of real-time PCR technic to monitor specific eubacteria in biogas producing system

Institute of Biophysics, Biological Research Center, Hungarian Academy of Science; ²Department of Biotechnology, University of Szeged, Szeged, Hungary

IP-2

ÉVA FEKETE, LEVENTE KARAFFA, ERZSÉBET FEKETE

Conidiospores of *Aspergillus niger* are unable to germinate on d-galactose

Genetics and Applied Microbiology, Faculty of Science and Technology, University of Debrecen, Debrecen, Hungary

IP-3

ANNA HORVÁTH, ANNA MÓNUS, ÁKOS SVEICZER

Cell length growth patterns in the fission yeast cell cycle

Department of Applied Biotechnology and Food Science, Budapest University of Technology and Economics, Budapest, Hungary

IP-4

ETELKA KOVÁCS¹, ZOLTÁN BAGI¹, NORBERT ÁCS²,
KORNÉL, L. KOVÁCS²

Biogas production from protein rich substrates

¹Department of Biotechnology, University of Szeged; ²Institute of Biophysics, Biological Research Centre, Hungarian Academy of Sciences, Szeged, Hungary

IP-5

GABRIELLA STYEVKÓ, ÁGOSTON HOSCHKE, DUC QUANG NGUYEN

Effects of pH and substrate concentration on biosynthesis of fructo-oligosaccharides

Department of Brewing and Distilling, Corvinus University of Budapest, Budapest, Hungary

IP-6

ANDRÁS SZEKERES¹, ANITA KECSKEMÉTI²,
MÓNICA GRUIC-TÖLGYESI², ESZTER ANDÓ¹,
BRIGITTA HARMATH², ÁRPÁD SZÉCSI³, ÁKOS
MESTERHÁZY⁴

Fermentation optimization of the *Fusarium verticillioides* strains for the fumonisin production

¹Preparative Laboratory; ²Analytical Laboratory, FumoPrep Ltd., Mórahalom; ³Department of Plant Pathology, Plant Protection Institute, Hungarian Academy of Sciences, Budapest; ⁴Cereal Research Non-profit Ltd., Szeged, Hungary

IP-7

ESZTER TÓTH, MÁRK STRASSZER, KLÁRA CZAKÓ-
VÉR

Changes the number of microorganisms and the enzyme kinetics of biogas production at different substrates

Institute of Environmental Sciences, Faculty of Sciences, University of Pécs, Pécs, Hungary

IP-8

MARIANN JUHÁSZ-ROMÁN

Functional dairy products, based on lactose-hydrolysed milk, supplemented with green-tea powder and forest honey

Department of Microbiology and Biotechnology, Corvinus University of Budapest, Budapest, Hungary

Általános tudnivalók

Regisztráció

A Helikon Szálló (8360 Keszthely, Balatonpart 5.) recepciójával szemben.

Az előadások helyszíne

A Helikon Szálló előadótermei.

Poszterek bemutatása

A posztereket a Poszter teremben lehet kiállítani. A poszterek megbeszélése, ismertetése és az érdeklődő kérdések meghallgatása érdekében kérjük a poszterkészítőket, hogy a részletes programban megadott időben posztereiknél tartózkodjanak.

Kiállítás

A szakmai kiállítást a Helikon Szálló előcsarnokában és az előadótermek előterében rendezzük.

Utazás Keszthelyre

A Budapestről vonattal utazók számára az alább felsorolt járatokat ajánljuk.

2010. október 12. (kedd)

Indulás	Érkezés (Keszthely)
15.06 (Bp. Déli pu.)	18.31
15.10 (Bp. Keleti pu.)	19.46
15.46 (Bp. Délipu.)	20.24

2006. október 13. (szerda)

Indulás	Érkezés (Keszthely)
6.30 (Bp. Keleti pu.)	10.00
7.06 (Bp. Déli pu.)	10.31

A Helikon Szálló mintegy 10 perces sétával érhető el a vasútállomástól.

Az MMT 2010. évi Nagygyűlése résztvevői számára a Helikon Szálló parkolójának használata ingyenes.

General informations

Registration and Information Desk

The Registration Desk will be in the Entrance Hall of the Congress Venue (Hotel Helikon; Balatonpart 5, H-8360 Keszthely), opposite to the reception desk. The desk will be opened

Tuesday,	October 12.	18.00 - 21.30
Wednesday,	October 13.	7.30 - 17.00
Thursday,	October 14.	8.00 - 13.00
Friday	October 15.	8.00 - till the end of sessions.

Payment at the desk will be available in Hungarian Forints. At the reception desk of the hotel there is a possibility to change money, and there is a teller machine (ATM) in the hotel.

During the Conference, information and help may be obtained at the Registration Desk. Chemol Travel Ltd. (Incoming & Congress Department, Deák Ferenc utca 10, Budapest, H-1052 Hungary; phone: +36-1-266-7032; Fax: +36-1-266-7033; E-mail: incoming@chemoltravel.hu) will be happy to help you at the Registration Desk.

The Conference Programme with any last-minute changes will be available at the Registration desk, and on the doors of the lecture halls.

Congress Venue

The Conference will be held in Hotel Helikon (8360 Keszthely, Balatonpart 5.)

Accommodation

Accommodation of participants is in Hotel Helikon.

The prices include breakfast, lunch, and the use of the hotel swimming pool, parking and taxes.

Presentations

Presentations will be held in the lecture halls of Hotel Helikon.

Speakers (excepting invited, and introductory lectures) will have 15 minutes, which include questions and discussion. The time limit will be as strictly enforced as possible. Standard audio-visual equipment will be provided (video projector & computer). Please indicate your special needs (e.g. dual projecting, slide projector [50 by 50 mm slides], overhead projector) by e-mail to the Meetings Secretary (fotitkar@mmt.org.hu).

Speakers and chairpersons should meet minimum 5 minutes before their relevant sessions to be briefed and to fill up the presentation, to become

acquainted with audio/visual aids etc. and resolve any problems. Please take your time to organise your presentation correctly!

Posters will be displayed in the Poster Hall for three full days. Please mount your poster as soon as possible, preferably on October 12 afternoon, but not later than October 13 noon. To install your posters please look up the number of your presentation in the Programme booklet and find your number on the provided boards. Help from our staff (if needed), as well as pins to install your poster will be provided. During the Poster Session authors of posters are requested to be present at their posters at the time specified in the programme. This will give all participants the opportunity for questions and discussion. Poster displays however should be self-explanatory even in the absence of authors. Posters should not exceed a size of 85 cm (width) x 120 cm (height) (standing A₀).

Conference Proceedings

The abstracts will be published in a Supplement issue of *Acta Microbiologica et Immunologica Hungarica*.

Invited speakers, and speakers of introductory talks are welcome to publish their contributions in the form of review and/or research articles in the journal **Acta Microbiologica et Immunologica Hungarica** (<http://www.akkrt.hu/main.php?folderID=1586&articleID=3857&ctag=articlelist&iid=1>).

Exhibition

A commercial exhibition related to microbial diagnostics, research and biotechnology will be organized during the meeting. A sponsorship programme ensures contributing organisations receive maximum exposure during the meeting.

Travel to Keszthely

Most participants coming from abroad, and travelling by plane or train will arrive to Budapest.

To participants arriving to Budapest by plane it is recommended to choose the „Airport Minibus” service to your hotel in the city, or directly to the railway station. Tickets are available at the stand in the Arrivals Hall.

To participants arriving to Hungary by international railway connections it is recommended to change to the direction of Keszthely in Budapest. At arrival we recommend the use of “Radio taxi” (it can be called by dialling 37-77-777), or public transport. Public transportation in Budapest is extensive, and reliable. Tickets must be purchased at Metro stations, Hotels, Tobacco shops, etc. in advance and validated on board. Use tickets valid for one ride only. Last busses and trams start from termini at approx. 11 p.m.

From Budapest direct railway connection is available to Keszthely:

Tuesday October 12, 2009

Departure		Arrival
15.06	Budapest Déli Pályaudvar	18.31 Keszthely
15,10	Budapest Keleti Pályaudvar	19.46 Keszthely
15.46	Budapest Déli Pályaudvar	20.24 Keszthely

Wednesday, October 13, 2009

06.30	Budapest Keleti Pályaudvar	10.00 Keszthely
07.06	Budapest Déli Pályaudvar	10.31 Keszthely

The hotels are in a 10 minutes walking distance from Keszthely Railway Station.

Participants coming by car should follow the shields of Hotel Helikon. The hotels are located close to the harbour of Keszthely. The use of the parking place of the Hotel Helikon is free for Conference participants. Before you leave ask for a card at the Reception desk. (For your orientation please refer to the maps below:

<http://www.terkepcentrum.hu/index.asp?go=map3eu&rid=1&pid=0&sx=&sy=&lx=0&ly=0&tertip=hu&cx=19.400000&cy=47.300000&z=200.000000&wgsy1=&wgsy2=&wgsx1=&wgsx2=&p1.x=42&p1.y=123>

<http://www.terkepcentrum.hu/index.asp?go=mapszarvashu2&sx=1000&sy=1000&ex=1268,61538461538&ey=3038,45333333333&tertip=szarvashu2>

<http://www.terkepcentrum.hu/index.asp?go=map&pid=0&mid=20&tid=18421&lid=0&rid=0&sx=520&sy=520&cx=-348.375&cy=-72.75&zoom=3.375&pcz=1.50&x=248&y=180>

Meals and Banquet

All meals (lunch, dinner, banquet) will be arranged in the Restaurant of the Hotel Helikon on a buffet basis: different main dishes (including vegetarian, etc.), soups and a broad selection of entrées, desserts are always at ones favour.

Emergencies

In case of emergency or if you need medical help, please contact the Registration Desk. Outside the Conference time in case of emergency turn to the Reception at your Hotel or use the following numbers: Ambulance 104, Fire brigade 105, Police 107.

Climate and Clothing

The climate in the starting days of October is usually calm, quiet and it can be very pleasant: the average daytime temperature is around 15°C degrees. Daily maximum values can reach 20-23°C. In the sunny, protected areas even warmer. In the morning and in the evening can be foggy and cold. In the night the forecasted minimum temperature values are 3-5 °C. A season coat and pullover and some wet weather protection is useful.

Insurance

The organisers cannot be held responsible for injury to Conference participants or for damage to, or loss of their personal belongings, regardless of cause. Participants are advised to make their own insurance arrangements.

Additional Information

Currency: Hungarian Forints

Credit cards: Visa, Diner, Eurocard, MasterCard, JCB Card are accepted in Hotels and first class restaurants and stores. Please ask before ordering!

Shopping hours: usually 10.00 to 18.00.

Tax: VAT (in Hungarian ÁFA) is charged on goods, the rate is 25 %.

Tipping: Tips in restaurants and for taxis – depending on the service – are in most cases optional but expected. Maximum rate is 10 %. There are some restaurants, where a service charge is calculated. In such cases tips shall not be expected.