

2005

*1st Central European Forum  
for Microbiology (CEFOM)*

and the

*Annual Meeting  
of the Hungarian Society for Microbiology*

P R O G R A M M E

Hotel **Helikon**, Keszthely, **Hungary**

October **26-28**, 2005

Roche



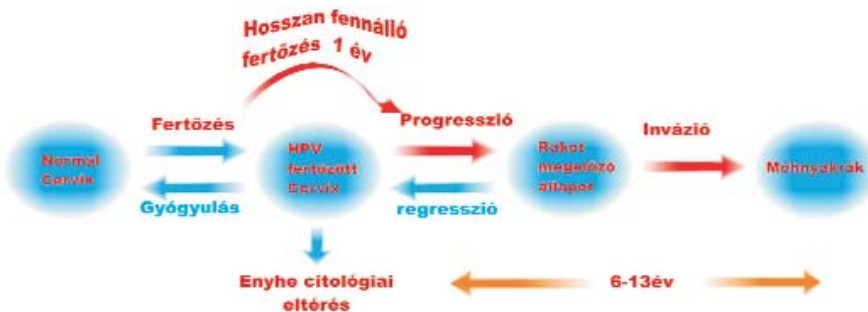
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**Két új tesztjével segít a klinikusoknak a gyors és pontos diagnózis felállításában és az ismétlődő, tartós HPV fertőzés nyomonkövetésében.**

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## PROGRAMME

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of the

1<sup>st</sup> Central European Forum for Microbiology (CEFORM)

and the

Annual Meeting of the Hungarian Society for Microbiology

Jointly organized by the

Croatian Microbiological Society



and the

Hungarian Society for Microbiology



Hotel Helikon, Keszthely, Hungary

October 26-28, 2005

Tuesday, October 25	16.00 – 21.30	Registration
Wednesday, October 26	7.00 – 17.00	Registration
Conference Hall		
	10.30 – 11.00	Opening ceremony
	11.00 – 12.30	Manning Memorial Session
	12.30 – 14.00	Lunch Break
Conference Hall		
	14.00 – 17.30	Plenary Session
	18.00 – 19.30	General Assembly of the Hungarian Society for Microbiology
	20.00	MICROBES – Poem Hungarian premier
Gulács Room	14.00 – 17.30	ISTVAN
	20.30	CEFORM Banquet
Thursday, October 27		
Room No. 1.	8.30 – 9.40	Virology Session I.
	11.00 – 12.00	Virology Session II.
Room No. 2.	8.30 – 12.45	Károly Rauss Memorial Session
Room No. 3.	8.00 – 10.10	Mycology Session I.
	10.30 – 12.00	50 <sup>th</sup> Anniversary of the Foundation of the Mycology Department at “Johan Béla” National Center for Epidemiology
Gulács Room	8.00 – 9.50	Rhisobiological Minisymposium
	10.10 – 12.10	Food Microbiology Session
Poster Room	9.45 – 10.45	Virology Posters
	11.00 – 12.00	Industrial Microbiology Posters
	12.00 – 13.00	Mycology Posters
Friday, October 28		
Room No. 1.	8.30 – 11.00	Virology Session III.
Room No. 2.	8.00 – 10.10	Mycology Session II.
	10.30 – 13.25	Bacteriology Session
Room No. 3.	8.00 – 10.15	Immunology and Parasitology Session
	10.30 – 12.50	Environmental and Agricultural Microbiology Session
Gulács Room	8.00 – 14.00	Industrial Microbiology Session
Poster Room	8.00 – 9.00	Bacteriology – Immunology – Parasitology Posters
	9.00 – 10.00	Environmental and Agricultural Microbiology Posters
	10.30 – 11.30	Food Microbiology Posters



## Detailed Programme

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**Wednesday, October 26**

**Conference Hall**

**10.30 Opening Ceremony**

*Welcome Addresses of*

János MINÁROVITS

President of the Hungarian Society for Microbiology

Ljiljana PINTER

President of the Croatian Microbiological Society

Richard GÁBORJÁNYI

Vice-Dean, University of Veszprém, Georgikon Faculty of Agriculture, Keszthely

**11.00 – 12.30 Manninger Memorial Session**

*Chairpersons: Ljiljana PINTER and János MINÁROVITS*

11.00 – 11.30 *Manninger Lecture*

Ervin BALÁZS

**Genetic engineering of transgenic virus resistant plants – a success story**

Department of Applied Genomics, Agricultural Research Institute, Hungarian Academy of Sciences, Martonvásár, Hungary

11.30 – 12.00 *Inaugural Lecture by Honorary Member of the Hungarian Society for Microbiology*

Eva KLEIN

**Epstein-Barr Virus – B lymphocyte interactions**

Microbiology and Tumor Biology Center (MTC), Karolinska Institute, Stockholm, Sweden

12.00 – 12.30 *Keynote lecture*

George KLEIN

**Non-immune surveillance against tumors**

Microbiology and Tumor Biology Center (MTC), Karolinska Institute, Stockholm, Sweden

**12.30 – 14.00 Lunch Break**

**14.00 – 17.30 Plenary Session**

*Chairpersons: Ronald P. DE VRIES and Kornél L. KOVÁCS*

14.00 – 14.30 ♦Jaroslav SPIZEK<sup>1</sup>, Jitka NOVOTNA<sup>1</sup>, Ales HONZATKO<sup>1</sup>, Petr BEDNAR<sup>2</sup>, Jana OLSOVSKA<sup>1</sup>, Jan KOPECKY<sup>1</sup>, Jiri JANATA<sup>1</sup>

**The initial steps in lincomycin biosynthesis**

<sup>1</sup>Institute of Microbiology, Academy of Sciences of the Czech Republic, Prague, Czech Republic, <sup>2</sup>Faculty of Science, Palacky University, Olomouc, Czech Republic

14.30 – 15.00 ♦Ronald P. DE VRIES<sup>1</sup>, Marc-Henri LEBRUN<sup>2</sup>, Hans A.B. WÖSTEN<sup>1</sup>

**Pentose catabolism in saprophytic and pathogenic fungi**

<sup>1</sup>Microbiology, Institute of Biomembranes, Utrecht University, The Netherlands, <sup>2</sup>CNRS-Bayer, Bayer Cropscience, Lyon, France

15.00 – 15.30 Kornél L. KOVÁCS

**Microbial engineering of gaseous biofuel production**

Department of Biotechnology, University of Szeged, Szeged, Hungary

**15.30 – 16.00 Coffee break**

16.00 – 16.30 Peter RASPOR

**Ecology of acetic acid bacteria in natural environments**

Biotechnical Faculty, University of Ljubljana, Ljubljana, Slovenia

16.30 – 17.00 ♦Marijan BOŠNJAK<sup>1</sup>, Anita BAGO JOKSOVIĆ<sup>2</sup>, Jasenka PIGAC<sup>3</sup>

**Applicability of mathematical models in defining the kinetic behaviour distinction among microbial strains**

<sup>1</sup>Croatian Academy of Engineering, Zagreb, <sup>2</sup>PLIVA-Research & Development, Zagreb, <sup>3</sup>Ruđer Bošković Institute, Zagreb, Croatia

17.00 – 17.30 Sándor BIRÓ

**Genomics, proteomics and bioinformatics: their impact on *Streptomyces* biology and biotechnology**

Department of Human Genetics, Faculty of Medicine, Medical and Health Science Center, University of Debrecen, Debrecen, Hungary

**17.30 – 18.00 Coffee break**

**18.00 – 19.30 General Assembly of the Hungarian Society for Microbiology**

*(Hungarian Society for Microbiology members only)*

**20.00 MICROBES**

*(Hungarian premier)*

**Poem-Poema – performed by members of the Croatian Microbiological Society**

Music and text: Prof. Dr. Stjepan Pepeljnjak, Head of the Department of Microbiology, Faculty of Pharmacy and Biochemistry, University of Zagreb

**20.30 CEFORM Banquet**

**Wednesday, October 26**

**Gulács Room**

**14.00 – 17.20 International Symposium**

**on Transforming Viruses and Neoplasia (ISTVAN)**

*Chairpersons: Eva KLEIN and János MINÁROVITS*

14.00 – 14.20 VL-1

♦Hans H NILLER<sup>1</sup>, Dániel SALAMON<sup>2</sup>, Anita KOROKNAI<sup>2</sup>, Ferenc BÁNÁTI<sup>2</sup>, György FEJÉR<sup>3</sup>, Ildikó GYÓRY<sup>3</sup>, Fritz SCHWARZMANN<sup>1</sup>, Hans WOLF<sup>1</sup>, János MINÁROVITS<sup>2</sup>

**The locus control region of Epstein-Barr virus**

<sup>1</sup>Institute for Medical Microbiology, University of Regensburg, Research Center, Regensburg, Germany, <sup>2</sup>Microbiological Research Group, National Center for Epidemiology, Budapest, Hungary, <sup>3</sup>Max Planck Institute for Immunobiology, Freiburg, Germany

14.20 – 14.40 VL-2

♦Július RAJČÁNI<sup>1</sup>, Jela MISTRÍKOVÁ<sup>2</sup>, Marcela KÚDELOVÁ<sup>1</sup>  
**Murid herpesvirus 4 (MuHV 4) as animal model for human lymphotropic gammaherpesvirus infections**

<sup>1</sup>Institute of Virology, Slovak Academy of Sciences, Bratislava, Slovak Republic, <sup>2</sup>Chair of Microbiology and Virology, Faculty of Natural Sciences, Comenius University, Bratislava, Slovak Republic

14.40 – 15.00 VL-3

Vanessa RAMIREZ, Chantal COCHET, ♦Irène JOAB  
**Transforming growth factor-beta 1 (TGFβ-1) stimulates the expression of the Epstein-Barr virus BZLF1 immediate early gene product ZEBRA by mechanisms which require the ERK1,2, MAPK and two NF-KB pathways**

Cibles Moléculaires en Cancérologie, INSERM U716, Paris, France

**15.00 – 15.20 Coffee break**

*Chairpersons: Magdalena GRCE and Hans Helmut NILLER*

15.20 – 15.40 VL-4

Károly NAGY

**HTLV: More than the first human retrovirus**

Institute of Medical Microbiology, Semmelweis University, Budapest, Hungary

15.40 – 16.00 VL-5

Magdalena GRCE

**Genital HPV infection: health implication and diagnosis**

Laboratory of Molecular Virology and Bacteriology, Division of Molecular Medicine, Ruđer Bošković Institute, Zagreb, Croatia

16.00 – 16.10 VL-6

♦György VERESS<sup>1</sup>, Ágnes BORBÉLY<sup>1</sup>, Melinda MURVAI<sup>2</sup>, József KÓNYA<sup>1</sup>, Lajos GERGELY<sup>1,2</sup>

**Effects of human papillomavirus oncoproteins on the apoptosis of human diploid cells**

<sup>1</sup>Department of Medical Microbiology, <sup>2</sup>Tumorvirus Research Group of the Hungarian Academy of Sciences, Medical and Health Science Centre, University of Debrecen, Debrecen, Hungary

**16.10 – 16.30 Coffee break**

*Chairpersons: Irène JOAB and George KLEIN*

16.30 – 16.50 VL-7

Dragomira MAJHEN<sup>1,2</sup>, Jelka GABRILOVAC<sup>3</sup>, Jennifer RICHARDSON<sup>2</sup>, Marc ELOIT<sup>2</sup>, ♦Andreja AMBRIOVIĆ-RISTOV<sup>1</sup>

**Vector for tumor gene therapy through inhibition of angiogenesis: adenoviruses bearing NGR motifs in the HI-loop of adenovirus fiber protein bind aminopeptidase n and alpha v beta 3 integrin**

<sup>1</sup>Laboratory for Genotoxic Agents, Division of Molecular Biology, Ruđer Bošković Institute, Zagreb, Croatia, <sup>2</sup>UMR 1161 Virologie INRA-AFSSA-ENVA, Ecole Nationale Vétérinaire, Maisons Alfort Cedex, France, <sup>3</sup>Laboratory of Experimental Haematology, Immunology and Oncology, Division of Molecular Medicine, Ruđer Bošković Institute, Zagreb, Croatia

16.50 – 17.00 VL-8

♦Bratko FILIPIČ<sup>1</sup>, Sándor TÓTH<sup>2</sup>, Srečko SLADOLJEV<sup>3</sup>, Ferenc SOMOGYVÁRI<sup>4</sup>, Srečko KOREN<sup>1</sup>

**The biological assays of interferons**

<sup>1</sup>Institute of Microbiology and Immunology, Medical Faculty, Ljubljana, Slovenia, <sup>2</sup>Blood Transfusion Unit, Békés County Hospital, Orosháza, Hungary, <sup>3</sup>Institute of Immunology – Zagreb, Zagreb, Croatia, <sup>4</sup>Institute of Clinical Microbiology, Medical Faculty, University of Szeged, Szeged, Hungary

17.00 – 17.10 VL-9

♦Ferenc BÁNÁTI<sup>1</sup>, Anita KOROKNAI<sup>1</sup>, György FEJÉR<sup>4</sup>, Mária TAKÁCS<sup>2</sup>, Dániel SALAMON<sup>1</sup>, Hans Helmut NILLER<sup>3</sup>, János MINÁROVITS<sup>1</sup>

**Epigenotypes of EBER 1 and 2 genes of Epstein-Barr virus in lymphoid and nasopharyngeal carcinoma cell lines**

<sup>1</sup>Microbiological Research Group, National Center for Epidemiology, Budapest, Hungary, <sup>2</sup>Division of Virology, National Center for Epidemiology, Budapest, Hungary, <sup>3</sup>Institut für Medizinische Mikrobiologie und Hygiene, Regensburg, Germany, <sup>4</sup>Max-Planck-Institute for Immunobiology, Freiburg, Germany

17.10 – 17.20

VL-10  
♦Borbála GERLE<sup>1</sup>, Anita KOROKNAI<sup>1</sup>, Ferenc BÁNÁTI<sup>1</sup>, György FEJÉR<sup>2</sup>, Ildikó GYÖRY<sup>2</sup>, Dániel SALAMON<sup>1</sup>, János MINÁROVITS<sup>1</sup>

**Analysis of histone h3 and h4 acetylation and histone h3-k4 methylation at the latent EBV promoter LMP2A**

<sup>1</sup>Microbiological Research Group, National Center for Epidemiology, Budapest, Hungary, <sup>2</sup>Max-Planck-Institute for Immunobiology, Freiburg, Germany



**Thursday, October 2**

**Room No. 1.**

**8.30 – 9.40 Virology Session I. – Lectures**

*Chairpersons: Vladimír SAVIĆ and Balázs HARRACH*

8.30 – 8.50

VL-11

♦Vladimír SAVIĆ<sup>1</sup>, William L. RAGLAND<sup>2</sup>, Renata NOVAK<sup>2</sup>, Katja ESTER<sup>2</sup>

**Highly virulent infectious bursal disease in broiler chickens with no or low mortality but with reduced body masses and immunosuppression**

<sup>1</sup>Croatian Veterinary Institute, Poultry Centre, Zagreb, Croatia, <sup>2</sup>Institut Ruđer Bošković, Division of Molecular Medicine, Zagreb, Croatia

8.50 – 9.00

VL-12

Anita SCHAMBERGER<sup>1</sup>, Andrea SZENDRŐI<sup>3</sup>, Gergely TEKES<sup>1</sup>, ♦Miklós RUSVAI<sup>2</sup>

**Genetic background of the differences in the species specificity of bovine adenovirus subtype A and subtype B**

<sup>1</sup>Department of Microbiology and Infectious Diseases, <sup>2</sup>Department of Pathology and Forensic Veterinary Medicine, Faculty of Veterinary Science, Szent István University, Budapest, Hungary, <sup>3</sup>Imperial College, Biophysics Section, Department of Biological Sciences, London, UK

9.00 – 9.10

VL-13

Petra FORGÁCH<sup>1</sup>, ♦Alina PALADE<sup>2</sup>, Zsuzsa TAPASZTI<sup>1</sup>, Tamás BAKONYI<sup>1</sup>, Miklós RUSVAI<sup>2</sup>

**Demonstration of chronic paralysis virus of honey bees using RT-PCR and an electron microscopic survey of the causative agent**

<sup>1</sup>Department of Microbiology and Infectious Diseases, <sup>2</sup>Department of Pathology and Forensic Veterinary Medicine, Faculty of Veterinary Science, Szent István University, Hungary

9.10 – 9.20

VL-14

♦Zoltán DEMETER<sup>1</sup>, Petra FORGÁCH<sup>2</sup>, Zsuzsa TAPASZTI<sup>2</sup>, Miklós RUSVAI<sup>1</sup>

**Detection of canine distemper virus strains by polymerase chain reaction technique and their phylogenetic analysis**

<sup>1</sup>Department of Pathology and Forensic Veterinary Medicine, <sup>2</sup>Department of Microbiology and Infectious Diseases, Faculty of Veterinary Science, Szent István University, Budapest, Hungary



- 9.20 – 9.30 VL-15  
♦Csaba KŐVÁGÓ<sup>1</sup>, Tamás BAKONYI<sup>1</sup>, Miklós RUSVAI<sup>2</sup>  
**Genomic investigation of an unknown honey bee (*Apis mellifera L.*) virus found in Hungary**  
<sup>1</sup>Department of Microbiology and Infectious Diseases, Department of Pathology and Forensic Veterinary Medicine, Faculty of Veterinary Science, Szent István University, Budapest, Hungary
- 9.30 – 9.40 VL-16  
Alíz CZEGLÉDI<sup>1</sup>, Dorina UJVÁRI<sup>1</sup>, ♦Eszter SOMOGYI<sup>1</sup>, Enikő WEHMANN<sup>1</sup>, Ortrud WERNER<sup>2</sup>, Béla LOMNICZI<sup>1</sup>  
**Third genome size category of avian paramyxovirus serotype 1 (Newcastle Disease Virus) and evolutionary implications**  
<sup>1</sup>Veterinary Medical Research Institute of the Hungarian Academy of Sciences, Budapest, Hungary, <sup>2</sup>Institute of Diagnostic Virology, Friedrich-Loeffler-Institutes, Federal Research Centre for Virus Diseases of Animals, Greifswald, Germany

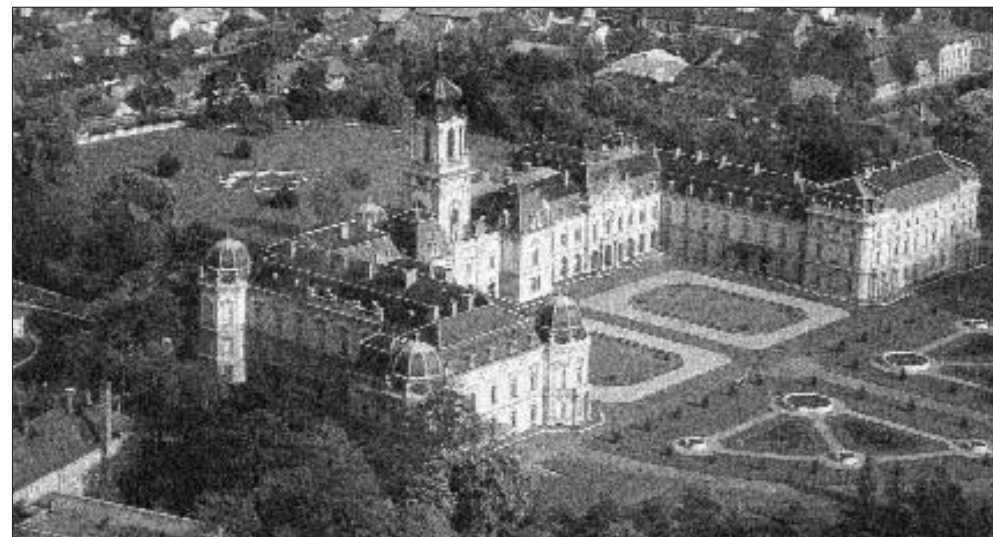
9.40 – 11.00 Coffee break

#### 11.00 – 12.00 Virology Session II. – Lectures

*Chairpersons: Julius RAJČÁNI and József KÓNYA*

- 11.00 – 11.10 VL-17  
♦Judith DEÁK<sup>1</sup>, Zoltán KOZINSZKY<sup>2</sup>, Attila PÁL<sup>2</sup>, Tibor NYÁRI<sup>3</sup>, János ZÁDORI<sup>4</sup>, Jennifer S. SMITH<sup>5</sup>  
**Determination of HSV seroprevalence in different South-Hungarian population groups**  
<sup>1</sup>Department of Clinical Microbiology, <sup>2</sup>Department of Obstetrics/Gynecology, <sup>3</sup>Department of Medical Informatics, <sup>4</sup>Kaáli Institute, University of Szeged, Szeged, Hungary, <sup>5</sup>University of North Carolina, Chapel Hill, NC, USA
- 11.10 – 11.30 VL-18  
♦József ONGRÁDI<sup>1,2</sup>, Melinda SZILÁGYI<sup>1</sup>, Valéria KÖVESDI<sup>1,2</sup>, Enikő SONKOLY<sup>3</sup>  
**Alteration of cytokine pattern in Cd4 T lymphocytes by human herpesvirus 6b infection**  
<sup>1</sup>National Institute of Dermato-Venereology, <sup>2</sup>Department of Public Health, Semmelweis University, Budapest, Hungary, <sup>3</sup>Department of Dermatology and Allergology, University of Szeged, Szeged, Hungary

- 11.30 – 11.40 VL-19  
♦Eszter CSOMA<sup>1</sup>, Zoltán BECK<sup>1</sup>, Tamás DELI<sup>2</sup>, József KÓNYA<sup>1</sup>, Lajos GERGELY<sup>1</sup>  
**Human herpesvirus 6a (HHV-6a) suppresses human immuno-deficiency virus (HIV) replication in human macrophages**  
<sup>1</sup>Department of Medical Microbiology, <sup>2</sup>Department of Physiology, University of Debrecen, Debrecen, Hungary
- 11.40 – 11.50 VL-20  
♦Anita KOROKNAI<sup>1</sup>, Fritz SCHWARZMANN<sup>2</sup>, Hans Helmut NILLER<sup>2</sup>, János MINÁROVITS<sup>1</sup>  
**Mapping of DNase I hypersensitive sites (HS) in the putative locus control region of latent Epstein-Barr virus genomes**  
<sup>1</sup>Microbiological Research Group, National Centre for Epidemiology, Budapest, Hungary, <sup>2</sup>Institute for Medical Microbiology and Hygiene, University of Regensburg, Regensburg, Germany
- 11.50 – 12.00 VL-21  
♦Ágnes Anikó BORBÉLY<sup>1</sup>, Melinda MURVAI<sup>2</sup>, Lajos GERGELY<sup>1,2</sup>, György VERESS<sup>1</sup>  
**Relationship between survivin promoter polymorphism and human papillomavirus associated cervical carcinoma**  
<sup>1</sup>Department of Medical Microbiology, Medical and Health Science Centre, University of Debrecen, Debrecen, Hungary, <sup>2</sup>Research Group for Tumovirus, Hungarian Academy of Sciences, Debrecen, Hungary



Thursday, October 27

Room No. 2.

8.30 – 13.30 **Károly Rauss Memorial Session**

Chairpersons: Levente EMÓDY and Maja ABRAM

- 8.30 – 8.40 Levente EMÓDY  
**Introduction – In commemoration of Professor Károly Rauss**  
Department of Medical Microbiology and Immunology, University of Pécs, Pécs, Hungary
- 8.40 – 9.05 BL-1  
♦Tibor PÁL<sup>1,2</sup>, Ágnes SONNEVEND<sup>1,2</sup>, Khawla AL-DHAHERI<sup>2</sup>  
**Low rate carriage of enterovirulent *Escherichia coli***  
<sup>1</sup>Department of Medical Microbiology, University of Pécs, Pécs, Hungary,  
<sup>2</sup>Department of Medical Microbiology, University of UAE, Al Ain, UAE
- 9.05 – 9.25 BL-2  
♦Gábor NAGY<sup>1</sup>, Vittoria DANINO<sup>2</sup>, Ulrich DOBRINDT<sup>3</sup>,  
Levente EMÓDY<sup>1</sup>, Jay C. HINTON<sup>2</sup>, Jörg HACKER<sup>3</sup>  
**The deep-rough LPS phenotype exhibited by rfah mutants of *Salmonella enterica* results in downregulation of *spi-1* and *spi-4* genes**  
<sup>1</sup>Department of Medical Microbiology and Immunology, University of Pécs, Pécs, Hungary, <sup>2</sup>Institute of Food Research, Norwich Research Park, Colney, Norwich, UK, <sup>3</sup>Institute of Molecular Biology of Infectious Diseases, University of Würzburg, Würzburg, Germany
- 9.25 – 9.40 BL-3  
♦Orsolya BENEDEK, Gábor NAGY, Levente EMÓDY  
**Detection of intracellular signalling and cytoskeletal rearrangement events in bacterial HeLa cell invasion mediated by *Yersinia pestis* plasminogen activator**  
Department of Medical Microbiology and Immunology, Faculty of Medicine, University of Pécs, Pécs, Hungary
- 9.40 – 9.55 BL-4  
♦Roberta RUBESA-MIHALJEVIC<sup>1</sup>, Maja SIKIC<sup>2</sup>, Sonja SMOLE-MOZINA<sup>2</sup>, Maja ABRAM<sup>1</sup>  
**Adhesion and invasion properties of *Campylobacter jejuni* in Caco-2 cells**  
<sup>1</sup>Department of Microbiology, Medical Faculty, University of Rijeka, Rijeka, Croatia, <sup>2</sup>Department of Food Science and Technology, Biotechnical Faculty, University of Ljubljana, Ljubljana, Slovenia

- 9.55 – 10.10 BL-5  
♦Marina SANTIC<sup>1</sup>, Snake JONES<sup>2</sup>, Rex ASARE<sup>2</sup>, Maelle MOLMERET<sup>2</sup>, Alaeddin ABUZANT<sup>2</sup>, Yousef ABU KWAIK<sup>2</sup>, Miljenko DORIC<sup>1</sup>  
**Intracellular trafficking of *Legionella pneumophila***  
<sup>1</sup>Department of Microbiology, University of Rijeka, Medical Faculty, Rijeka, Croatia, <sup>2</sup>Department of Microbiology and Immunology, University of Louisville, College of Medicine, Louisville, KY, USA
- 10.10 – 10.30 BL-6  
♦György SCHNEIDER<sup>1,2</sup>, Ulrich DOBRINDT<sup>2</sup>, Barbara MID-DENDORF<sup>2</sup>, Bianca HOCHHUT<sup>2</sup>, Levente EMÓDY<sup>1</sup>, Jörg HACKER<sup>2</sup>  
**Mobilisation and remobilisation of a complete pathogenicity island of the uropathogenic *Escherichia coli* strain 536 by conjugal transfer**  
<sup>1</sup>Institute of Medical Microbiology and Immunology, University of Pécs, Pécs, Hungary, <sup>2</sup>Institut für Molekulare Infektionsbiologie, Universität Würzburg, Germany
- 10.30 – 10.45 BL-7  
♦Zoltán TIGYI, Levente EMÓDY  
**Phenotypic properties of *Klebsiella* species isolated from blood culture**  
Department of Medical Microbiology and Immunology, Faculty of Medicine, University of Pécs, Pécs, Hungary
- 10.45 – 11.00 BL-8  
♦Ildikó KUSTOS<sup>1</sup>, Valéria GAÁL<sup>2</sup>, Ferenc KILÁR<sup>3</sup>, Barnabás ÁCS<sup>4</sup>, Béla KOCSIS<sup>1</sup>  
**Effect of antibiotic treatment on bacterial adherence to acrylic intraocular lenses**  
<sup>1</sup>Department of Medical Microbiology and Immunology, <sup>2</sup>Department of Ophthalmology, <sup>3</sup>Institute of Bioanalysis, Faculty of Medicine, University of Pécs, Pécs, Hungary, <sup>4</sup>Department of Statistics and Demography, Faculty of Economics, University of Pécs, Pécs, Hungary
- 
- 11.00 – 11.30 **Coffee break**  
Chairpersons: Miklós FÜZI and Gordana MARAVIĆ
- 11.30 – 11.50 BL-9  
Gordana MARAVIĆ  
**Ribosomal antibiotics – bacterial resistance problem and possible solutions**

Department of Biochemistry and Molecular Biology, Faculty of Pharmacy and Biochemistry, University of Zagreb, Zagreb, Croatia

11.50 – 12.10

BL-10

♦Miklós FÜZI, Zsolt VÉGH, Mária GACS, Ákos TÓTH, Balázs LIBISCH, Tamás TIRCZKA

**Incidence and antibiotic resistance of major bacterial pathogens in Hungary in 2004**

National Center for Epidemiology, Budapest, Hungary

12.10 – 12.25

BL-11

♦Katalin KRISTÓF, Szilvia KARDOS, Natasa PESTI, Ferenc ROZGONYI

**Increasing frequency of MRSA carriage in upper respiratory tract of patients**

Institute of Medical Microbiology, Semmelweis University, Budapest, Hungary

12.25 – 12.40

BL-12

♦Noémi NÓGRÁDY<sup>1</sup>, Ákos TÓTH<sup>2</sup>, Judit PÁSZTI<sup>1</sup>, Miklós FÜZI<sup>2</sup>

**Characterization of ESBL producing human salmonellae isolated in Hungary in the period of 2000-2004**

<sup>1</sup>Phage-typing and Molecular Epidemiology Department, <sup>2</sup>Department of Bacteriology, 'Johan Béla' NCE, Budapest, Hungary

12.40 – 12.55

BL-13

♦József FÖLDI<sup>4</sup>, Anna PÉCSI<sup>3</sup>, Tamás PÉCSI<sup>5</sup>, Judit SZABÓ<sup>2</sup>, Margit KULCSÁR<sup>1</sup>, Gyula HUSZENICZA<sup>1</sup>

**Clinical aspects and pharmacological considerations in antimicrobial therapy of bacterial complications of postpartum uterine involution in dairy cows**

<sup>1</sup>Department of Obstetrics and Reproduction, Veterinary Faculty, Szent István University, Budapest, Hungary, <sup>2</sup>Department of Microbiology, Medical Faculty, University of Debrecen, Debrecen, Hungary, <sup>3</sup>Department of Animal Physiology and Animal Health, Centre of Agricultural Sciences, University of Debrecen, Debrecen, Hungary, <sup>4</sup>Intervet Hungaria Kft., Budapest, <sup>5</sup>BIO-VET Kft., Debrecen, Hungary

12.55 – 13.15

BL-14

Béla Pál BÓZSIK

**Telling the truth: My experiences with Lyme borreliosis**

Lyme Borreliosis Foundation, Budapest, Hungary

13.15 – 13.30

BL-15

Zsolt SOMLAY, Róbert HOLLÓ

**Complex answers to the questions of microbiology (Genomix – Proteomix – Cellomix)**

Bio-Science Kft, Budapest, Hungary

**Thursday, October 27**

**Room No. 3.**

**8.00 – 10.10 Mycology Session I. – Lectures**

*Chairpersons: Vladimir MRSA and László Hornok*

8.00 – 8.30

ML-1

Vladimir MRSA

**Biotechnology aspects of fungal cell walls**

Faculty of Food Technology and Biotechnology, University of Zagreb, Zagreb, Croatia

8.30 – 8.50

ML-2

László HORNOK

**Reproduction strategies in *Gibberella fujikuroi***

Group of Mycology, Department of Agricultural Biotechnology and Microbiology, HAS, Szent István University, Gödöllő, Hungary

8.50 – 9.10

ML-3

♦Mátyás SIPICZKI, Zoltán SZILÁGYI, Ida MIKLÓS

**Fork-head-type transcription factor *sep1p* plays a central role in the regulation of cell separation in *Schizosaccharomyces pombe***

Department of Genetics, University of Debrecen and Research Group of Microbial Developmental Genetics, Hungarian Academy of Sciences, Debrecen, Hungary

9.10 – 9.30

ML-4

♦Hajnalka CSOMA<sup>1</sup>, Mátyás SIPICZKI<sup>2</sup>

**Taxonomic identification of yeasts colonising grapes during noble rotting in Tokaj**

<sup>1</sup>Department of Genetics, <sup>2</sup>Research Group of Microbial Developmental Genetics, University of Debrecen, Debrecen, Hungary

9.30 – 9.50

ML-5

♦Lóránt HATVANI<sup>1</sup>, László KREDICS<sup>2</sup>, András SZEKERES<sup>1</sup>, Zsuzsanna ANTAL<sup>2</sup>, László MANCZINGER<sup>1</sup>, Csaba VÁGVÖLGYI<sup>1</sup>

**Extracellular enzyme production of *Trichoderma* strains causing mushroom green mold in Hungary**

<sup>1</sup>Department of Microbiology, Faculty of Sciences, <sup>2</sup>Microbiological Research Group, Hungarian Academy of Sciences and University of Szeged, Szeged, Hungary

- 9.50 – 10.10 ML-6  
 ♦Gábor M. KOVÁCS<sup>1</sup>, Tímea BALÁZS<sup>1</sup>, Zsolt PÉNZES<sup>2</sup>  
**Study of the diversity of arbuscular mycorrhizal fungi – unique lineages or only the lack of information?**  
<sup>1</sup>Department of Plant Anatomy, Eötvös Loránd University, Budapest, Hungary,  
<sup>2</sup>Institute of Genetics, Biological Research Center, Hungarian Academy of Sciences, Szeged, Hungary

10.10 – 10.30 Coffee break

10.30 – 12.00 **50<sup>th</sup> Anniversary of Foundation of the Mycological Department at "Johan Béla" National Center for Epidemiology – Lecture Session**  
 Chairpersons: Anna MARÁZ and Máttyás SIPICZKI

- 10.30 – 11.00 ML-7  
 Ervin K. NOVÁK  
**Water demand of fungi and pollutions with aeroallergens**  
 Retired Head of Department and Judicial Expert in Mycology, Budapest, Hungary
- 11.00 – 11.20 ML-8  
 Judit ZALA  
**(Re)observation of diseases caused by dimorphic fungi in Hungary in the term of the past 50 years**  
 Mycological Department, Budapest, Hungary
- 11.20 – 11.40 ML-9  
 ♦Tamás NAGY<sup>1</sup>, H. ASHOUR EMAN<sup>2</sup>, Ervin Károly NOVÁK<sup>1</sup>  
**Comparative study of toxic heavy metal ion tolerance and accumulation by fungi**  
<sup>1</sup>Mycological Department, „Johan Béla“ National Center for Epidemiology, Budapest, Hungary, <sup>2</sup>Microbiology Department, Faculty of Agriculture, Mansoura University, Mansoura, Egypt
- 11.40 – 12.00 ML-10  
 ♦Katalin KISS, Judit ZALA  
**Voriconazole, the new promising agent for antifungal therapy – Examination of in vitro susceptibility to Voriconazole of fungi**  
 Department of Mycology, „Johan Béla“ National Centre for Epidemiology, Budapest, Hungary

Thursday, October 27

Gulács Room

8.00 – 9.50 **Rhizobiological Minisymposium**

Chairpersons: Borbála BÍRÓ and Hermann BOTHE

- 8.00 – 8.20 AL-1  
 Hermann BOTHE  
**Arbuscular mycorrhiza as part of the rhizosphere at heavy metal and salt stress**  
 Botanical Institute, University of Cologne, Köln, Germany
- 8.20 – 8.30 AL-2  
 Borbála BÍRÓ  
**Dinamism in rhisobiological colonisation in steressed environments**  
 Research Institute for Soil Science and Agricultural Chemistry of the Hungarian Academy of Sciences, Budapest, Hungary
- 8.30 – 8.40 AL-3  
 ♦Anna FÜZY, Tibor TÓTH, Borbála BÍRÓ  
**Mycorrhisal functioning depends on the plant physiological status at salt-draught stress**  
 Research Institute for Soil Science and Agricultural Chemistry of the Hungarian Academy of Sciences, Budapest, Hungary
- 8.40 – 8.50 AL-4  
 ♦László KÖDÖBÖCZ<sup>1,4</sup>, Éva KÁRPÁTI<sup>2</sup>, Ilona DUSHA<sup>3</sup>, Borbála BIRÓ<sup>1</sup>  
**Survival of associative and symbiotic nitrogen fixing bacteria in different inoculation methods**  
<sup>1</sup>Laboratory of Rhizobiology, Research Institute for Soil Science and Agricultural Chemistry of the Hungarian Academy of Sciences, Budapest, Hungary,  
<sup>2</sup>Agricultural and Biotechnological Research Centrum, Gödöllő, Hungary,  
<sup>3</sup>Biological Research Centre, Hungarian Academy of Sciences, Szeged, Hungary,  
<sup>4</sup>BIO-deTECH Ltd, Érd, Hungary
- 8.50 – 9.00 AL-5  
 ♦Ilona VILLÁNYI<sup>1</sup>, Anna FÜZY<sup>1</sup>, Zoltán NAÁR<sup>2</sup>, Borbála BIRÓ<sup>1</sup>, Károly MÁRIALIGETI<sup>3</sup>  
**Which microbiological parameters can be different in the rhizosphere of the gene-modified bt corn?**  
<sup>1</sup>Laboratory of Rhizobiology, Research Institute for Soil Science and Agricultural Chemistry of the Hungarian Academy of Sciences, Budapest, Hungary,  
<sup>2</sup>Department of Botany, Eszterházy Károly College, Eger, <sup>3</sup>Department of Microbiology, Eötvös Loránd University, Budapest, Hungary.

- 9.00 – 9.10 AL-6  
 ♦Lucille JOCTEUR MONROZIER<sup>1</sup>, Hamdy EL ZAMRANY<sup>1,3</sup>, Franck POLY<sup>1</sup>, Jean-Luc CHOTTE<sup>2</sup>, Rene BALLY<sup>1</sup>  
**Tools for the assessment of free nitrogen fixer communities and their activity in the rhizosphere of gramineae**  
<sup>1</sup>CNRS UMR5557 Ecologie Microbienne, Université Claude Bernard Lyon1, <sup>2</sup>IRD IBIS Centre de Bel Air, Dakar, Sénégal, <sup>3</sup>University of Minoufia, Egypt
- 9.10 – 9.20 AL-7  
 ♦Beáta B. TÓTH, János Attila TÓTH  
**The effects of defoliation and acorn deprivation on the development of oak seedlings (*Quercus robur* L.) and the mycorrhizal level of their fine root system: a field study**  
 Department of Ecology, University of Debrecen, Debrecen, Hungary
- 9.20 – 9.30 AL-8  
 ♦Antal HEGEDŰS<sup>1</sup>, Borbála BIRÓ<sup>2</sup>, Hosam E.A.F. BAYOUMI<sup>3</sup>, Mihály KECSKÉS<sup>3</sup>  
***Pseudomonas* inoculation for improving the flower quality of gerbera (*Gerbera jamesonii*)**  
<sup>1</sup>Department of Technology, Juhász Gyula Teachers' College, University of Szeged, Szeged, Hungary, <sup>2</sup>Research Institute for Soil Science and Agricultural Chemistry of the Hungarian Academy of Sciences, Budapest, Hungary, <sup>3</sup>Environmental Microbiology PhD School, Szent István University, Gödöllő Hungary.
- 9.30 – 9.40 AL-9  
 ♦Marcell NIKOLAUSZ<sup>1</sup>, Uwe KAPPELMEYER<sup>1</sup>, Anna SZÉKELY<sup>2</sup>, Károly MÁRIALIGETI<sup>2</sup>, Matthias KÄSTNER<sup>1</sup>  
**Influence of diurnal redox fluctuation on microbial activity dynamics in the rhizosphere**  
<sup>1</sup>Department of Bioremediation, UFZ Centre for Environmental Research Leipzig-Halle, Leipzig, Germany, <sup>2</sup>Department of Microbiology, Eötvös Loránd University, Budapest, Hungary
- 9.40 – 9.50 AL-10  
 ♦Tünde TAKÁCS, Ibolya VÖRÖS, Ibolya BIRÓ  
**Relationship between the infectivity of arbuscular mycorrhizal fungi and soil nitrogen nutrition**  
 Research Institute for Soil Science and Agricultural Chemistry, Budapest, Hungary

9.50 – 10.20 Coffee break

## 10.20 – 12.10 Food Microbiology Session

Chairpersons: József FARKAS and József BARANYI

- 10.20 – 10.40 AL-11  
 József BARANYI  
**Predictive microbiology tools for Quantitative Microbial Risk Assessment**  
 Institute of Food Research, Norwich Research Park, Norwich, UK
- 10.40 – 10.50 AL-12  
 ♦Judit BECZNER, József FARKAS  
**Emerging pathogens in foods (An overview)**  
<sup>1</sup>Department of Microbiology, Central Food Research Institute, Budapest, Hungary
- 10.50 – 11.00 AL-13  
 ♦Tibor FARKAS, Gábor KARDOS, István KISS  
**Comparison of traditional and molecular microbiological methods for the detection of *Salmonella***  
 Central Veterinary Institute, Institute of Debrecen, Debrecen, Hungary
- 11.00 – 11.10 AL-14  
 Olivér REICHART  
**Redox potential measurement as a rapid method for microbiological testing**  
 Department of Food Hygiene, Faculty of Veterinary Science, Szent István University, Budapest, Hungary
- 11.10 – 11.20 AL-15  
 ♦Ákos JOZWIAK<sup>1</sup>, Olivér REICHART<sup>1</sup>, Katalin SZAKMÁR<sup>2</sup>  
**Redox potential measurement as a rapid method for heat destruction experiments of *Campylobacter jejuni***  
<sup>1</sup>Department of Food Hygiene, Faculty of Veterinary Science, Szent István University, Budapest, Hungary, <sup>2</sup>National Food Investigation Institute, Budapest, Hungary
- 11.20 – 11.30 AL-16  
 ♦Katalin SZAKMÁR<sup>1</sup>, Olivér REICHART<sup>2</sup>, Ákos JOZWIAK<sup>2</sup>  
**Microbiological inspection of mineral water by redox-potential measurement**  
<sup>1</sup>National Food Investigation Institute, Budapest, Hungary, <sup>2</sup>Department of Food Hygiene, Faculty of Veterinary Science, Szent István University, Budapest, Hungary

- 11.30 – 11.40 AL-17  
István Ferenc KISS  
**Food Safety and Microbiology (Specialist post-graduate course at Corvinus University of Budapest)**  
Department of Refrigeration and Livestock Products' Technology, Faculty of Food Science, Corvinus University of Budapest, Budapest, Hungary
- 11.40 – 11.50 AL-18  
László MÉSZÁROS  
**What does Food Safety Objectives based management concept mean for food microbiologists**  
Hungarian Food Safety Office, Budapest, Hungary
- 11.50 – 12.00 AL-19  
♦Károly MÁRIALIGETI<sup>1</sup>, Anna SZÉKELY<sup>1</sup>, Sándor RÉVÉSZ<sup>2</sup>, Judit MAKK<sup>1</sup>, István F. KISS<sup>3</sup>  
**Nucleic acids quantification based molecular assay of the survival of bacteria during minimal processing in beef model**  
<sup>1</sup>Department of Microbiology, Eötvös L. University, Budapest, Hungary, <sup>2</sup>Department of Measurement and Information Systems, Faculty of Electrical Engineering and Informatics, Budapest University of Technology and Economics, Budapest, Hungary, <sup>3</sup>Department of Meat and Refrigeration Technology, Faculty of Food Science, Corvinus University of Budapest, Budapest, Hungary
- 12.00 – 12.10 AL-20  
♦Ildikó BATA-VIDÁCS<sup>1</sup>, Etelka KOVÁCS<sup>1</sup>, Margit A. KORBÁSZ<sup>1</sup>, Gabriella ANTAL<sup>2</sup>, Judit BECZNER<sup>1</sup>  
**Effects of agrotechnology, cold storage and map on the epiphytic microflora of strawberries**  
<sup>1</sup>Department of Microbiology, Central Food Research Institute, Budapest, Hungary, <sup>2</sup>Canning Industry Research-Development and Quality Control Institute, Budapest, Hungary



## Thursday, October 27

### Poster Room

#### 9.45 – 10.45 Virology Session – Posters

##### VP-1

♦Judit ANTAL, Miklós PESTI  
**Conspiracy theory on MAPK pathway elements as inhibitors of HIV-1 VPR protein**

Department of General and Environmental Microbiology, University of Pécs, Pécs, Hungary

##### VP-2

♦Ildikó BALLA<sup>1</sup>, Zoltán KIRILLA<sup>1</sup>, Éva KRISTON<sup>2</sup>, Endre K. TÓTH<sup>2</sup>, Veronika HANZER<sup>3</sup>, Margit LAIMER<sup>3</sup>  
**Trials for virus detection and elimination of peach cultivars under in-vitro conditions**

<sup>1</sup>Research Institute for Fruitgrowing and Ornamentals, Budapest, Hungary,

<sup>2</sup>Laboratory for Plant Pathology and Biotechnology, Óbuda Nursery Ltd, Budapest, Hungary, <sup>3</sup>Institute of Applied Microbiology, University of Agricultural Sciences, Vienna, Austria

##### VP-3

♦Márta CSIRE<sup>1</sup>, Gábor MIKALA<sup>2</sup>, Judit JÁNOSI<sup>2</sup>, Mónika PETŐ<sup>2</sup>, Attila JUHÁSZ<sup>3,4</sup>, Ilona MEZEY<sup>1</sup>, János JAKÓ<sup>2</sup>, Mária VISY<sup>5</sup>, István VÁLYI-NAGY<sup>2</sup>, György BERENCSEI<sup>1</sup>

**Multiple myeloma (MM) patients and perinatal transmission of human herpesvirus-8 (HHV-8) infection**

<sup>1</sup>Division of Virology, „Béla Johan“ NCE, Budapest, Hungary, <sup>2</sup>Department of Hematology and Hemostaseology, National Medical Center, Budapest, Hungary,

<sup>3,4</sup>Department of Medical Microbiology and Dermatology, University of Debrecen Medical and Health Science Centre, Debrecen, Hungary,

<sup>5</sup>2<sup>nd</sup> Department of Paediatrics, Semmelweis University, Budapest, Hungary

##### VP-4

♦Judith DEÁK, Orsolya BEREZCKI, Ferenc SOMOGYVÁRI, Vilmos TUBÁK

**Detection of human papillomaviruses by HCA, PCR and RT-PCR methods**

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

##### VP-5

♦Miklós DÉRI, Judith DEÁK

**Ascertainment and analysis of the risk factors of HSV using feature-selection algorithms**

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

VP-6

♦Attila FARSANG<sup>1</sup>, Ádám BÁLINT<sup>2</sup>, Sándor BELÁK<sup>3</sup>

**Development of genetically engineered nucleic acid vaccines for improved protection of cats against feline infectious peritonitis**

<sup>1</sup>Institute for Veterinary Medicinal Products, Bp., Hungary, <sup>2</sup>Central Veterinary Institute, Bp., Hungary, <sup>3</sup>The National Veterinary Institute, Uppsala, Sweden

VP-7  
♦Attila FARSANG, László MAKRANSZKY, Gábor KULCSÁR  
**Susceptibility tests in mice and rats to classical swine fever virus**

Institute for Veterinary Medicinal Products, Budapest, Hungary

VP-8

♦Bratko FILIPIČ<sup>1</sup>, Srećko SLADOLJEV<sup>2</sup>, Sándor TÓTH<sup>3</sup>, Ferenc SOMOGYVÁRI<sup>4</sup>, Tanja BOTIČ<sup>5</sup>, Avreljija CENCIČ<sup>5</sup>, Srećko KOREN<sup>1</sup>

**Amino acids modulate the antiproliferative activity of HuFN-alfa against malignant cells in vitro**

<sup>1</sup>Institute of Microbiology and Immunology, Medical Faculty, Ljubljana, Slovenija; <sup>2</sup>Institute of Immunology, Zagreb, Croatia, <sup>3</sup>Blood Transfusion Center, City Hospital, Orosháza, Hungary, <sup>4</sup>Institute of Clinical Microbiology, Medical Faculty, University of Szeged, Szeged, Hungary, <sup>5</sup>Faculty of Agriculture, University of Maribor, Maribor, Slovenija

VP-9

♦Ágnes GYURIS<sup>1</sup>, László SZLÁVIK<sup>1</sup>, Judit HOHMANN<sup>2</sup>, József MOLNÁR<sup>3</sup>, János MINÁROVITS<sup>1</sup>

**Antiretroviral activity of alkaloids isolated from *Leucojum vernum***

<sup>1</sup>National Center for Epidemiology, Microbiological Research Group, Budapest, Hungary, <sup>2</sup>Department of Pharmacognosy, <sup>3</sup>Department of Microbiology, University of Szeged, Szeged, Hungary

VP-10

♦Ferenc JAKAB<sup>1</sup>, Levente VARGA<sup>2</sup>, Zoltán NYÚL<sup>2</sup>, Douglas K. MITCHELL<sup>3</sup>, Jolan E. WALTER<sup>3</sup>, Tamás BERKE<sup>4</sup>, David O. MATSON<sup>4</sup>, György SZŰCS<sup>1</sup>

**Clinical characteristics of human rotavirus, enteric adenovirus and astrovirus infections among hospitalized children in Baranya County, Hungary**

<sup>1</sup>Regional Laboratory of Virology, Baranya County Institute of State Public Health Service, Pécs, Hungary, <sup>2</sup>“Kerpel-Frónius Ödön” Children’s Hospital, Pécs, Hungary, <sup>3</sup>Children’s Hospital, <sup>4</sup>Center for Pediatric Research of the King’s Daughters, Eastern Virginia Medical School, Norfolk, VA, USA

VP-11

♦Beatrix KELE, Ferenc SOMOGYVÁRI, Judith DEÁK

**Do human caliciviruses cause epidemics exclusively?**

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

VP-12

♦József KÓNYA<sup>1</sup>, László GAZDAG<sup>2</sup>, Anita SZALMÁS<sup>1</sup>, Zoltán

HERNÁDI<sup>2</sup>, Lajos GERGELY<sup>1</sup>

**Duration of HPV type associated risk for high-grade cin in epithelial abnormalities of the uterine cervix**

<sup>1</sup>Department of Medical Microbiology, <sup>2</sup>Department of Gynecology, University of Debrecen, Debrecen, Hungary

VP-13

♦Zoran LIPEJ<sup>1</sup>, Q. SÉGALES<sup>2</sup>, I. TOPLAK<sup>3</sup>, Besi ROIĆ<sup>1</sup>, D. NOVOSEL<sup>1</sup>, L. MANOJLOVIĆ<sup>4</sup>

**Porcine circovirus type 2 infection in wild boar (*Sus scrofa*) in Croatia**

<sup>1</sup>Croatian Veterinary Institute, Zagreb, Croatia, <sup>2</sup>Animal Health Research Centre (CRESA), Department of Animal Health and Anatomy, Veterinary Faculty, Barcelona, Spain, <sup>3</sup>Veterinary Faculty, Ljubljana, Slovenia, <sup>4</sup>Hunting Estate, Moslavina, Zagreb, Croatia

VP-14

♦Rita LÓZSA<sup>1</sup>, Károly BÓKA<sup>1</sup>, Asztéria ALMÁSI<sup>2</sup>

**Early cytological events in case of atypical incompatible relationship between virus and plant**

<sup>1</sup>Department of Plant Anatomy, Eötvös Loránd University, Budapest, Hungary, <sup>2</sup>Department of Plant Pathophysiology, Plant Protection Institute, Hungarian Academy of Sciences, Budapest, Hungary

VP-15

♦Edina MELEG<sup>1,2</sup>, Ferenc JAKAB<sup>1,2</sup>, Béla KOCSIS<sup>2</sup>, Krisztián BÁNYAI<sup>1,2</sup>, Béla MELEGH<sup>3</sup>, György SZŰCS<sup>1,2</sup>

**First detection of human astroviruses in raw sewage samples in Baranya County, Hungary**

<sup>1</sup>Regional Laboratory of Virology, Baranya County Institute of State Public Health Service, Pécs, Hungary, <sup>2</sup>Department of Medical Microbiology and Immunology, <sup>3</sup>Department of Medical Genetics and Child Development, Faculty of Medicine, University of Pécs, Pécs Hungary

VP-16

♦Tatjana VILIBIĆ ČAVLEK<sup>1</sup>, Sunčanica LJUBIN STERNAK<sup>1</sup>, Bernard KAIĆ<sup>1</sup>, Kamelija ŽARKOVIĆ<sup>2</sup>, Branka MARUŠIĆ DELLA MARINA<sup>3</sup>, Ljerka CVITANOVIĆ ŠOJAT<sup>4</sup>, Anica BAŠNEC<sup>2</sup>, Vladimira KRUŽIĆ<sup>1</sup>, Nataša BAUK<sup>1</sup>, Branko TURKOVIĆ<sup>1</sup>, Gordana MLINARIĆ GALINOVIĆ<sup>1</sup>

### **Subacute sclerosing panencephalitis in Croatia (1994-2004)**

<sup>1</sup>Croatian National Institute of Public Health, Zagreb, Croatia, <sup>2</sup>Clinical Hospital Center Zagreb, Zagreb, Croatia, <sup>3</sup>Children's Disease Clinic, Zagreb, Croatia, <sup>4</sup>University Hospital „Sestre milosrdnice“, Zagreb, Croatia

VP-17

◆Melinda MURVAI<sup>1</sup>, Ágnes Anikó BORBÉLY<sup>2</sup>,  
Krisztina SZARKA<sup>2</sup>, Tamás MAJOR<sup>3</sup>, József KÓNYA<sup>2</sup>,  
Lajos GERGELY<sup>1,2</sup>, György VERESS<sup>2</sup>

### **Role of E-cadherin tumor suppressor gene polymorphism in the human papillomavirus (HPV) associated malignancies**

<sup>1</sup>Tumorvirus Research Group of the Hungarian Academy of Sciences, <sup>2</sup>Department of Medical Microbiology, Medical and Health Science Center, University of Debrecen, Debrecen, Hungary, <sup>3</sup>Clinic of Otorhinolaryngology and Head and Neck Surgery, Medical and Health Science Center, University of Debrecen, Debrecen, Hungary

VP-18

◆Estela PRUKNER-RADOVČIĆ<sup>1</sup>, D. LÜSCHOW<sup>2</sup>, I.  
CIGLAR GROZDANIĆ<sup>1</sup>, H. MAZIJA<sup>1</sup>, H.M. HAFEZ<sup>2</sup>

### **Isolation and molecular biological investigations of avian poxviruses from chicken and turkey in Croatian flocks**

<sup>1</sup>Department of Poultry Diseases, Faculty of Veterinary Medicine, University of Zagreb, Zagreb, Croatia, <sup>2</sup>Institute of Poultry Diseases, Free University Berlin, Berlin, Germany

VP-19

Tatjana FISLOVÁ, T. SLÁDKOVÁ, Vladimíra DURMANOVÁ,  
Marian GOCNÍK, Eva VAREČKOVÁ, František  
KOSTOLANSKÝ, ◆Július RAJČÁNI

### **Comparative pathogenesis of mouse-adapted influenza viruses of different virulence**

Institute of Virology, Slovak Academy of Sciences, Bratislava, Slovak Republic

VP-20

◆Besi ROIĆ<sup>1</sup>, Stanislav ČAJAVEC<sup>2</sup>, Neda ERGOTIĆ<sup>2</sup>, Zoran LIPEJ<sup>1</sup>, Josip MADIĆ<sup>3</sup>, Biserka POKRIĆ<sup>4</sup>, Lorena JEMERŠIĆ<sup>1</sup>, Mirko LOJKIĆ<sup>1</sup>

### **Immune protection against porcine parvovirus disease by an immune complex-based vaccine**

<sup>1</sup>Department of Virology, Croatian Veterinary Institute, Zagreb, Croatia, <sup>2</sup>Veterina Ltd, Rakov Potok, Croatia, <sup>3</sup>Faculty of Veterinary Medicine, University of Zagreb, Zagreb, Croatia, <sup>4</sup>Ruđer Bošković Institute, Zagreb, Croatia

VP-21

◆Erzsébet RUSVAI, Erzsébet BARCSAY, Csenge CSISZÁR, Emese SZILÁGYI, Katalin N. SZOMOR, Emőke FERENCZI, Judit BROJNÁS, Karolina BÖRÖCZ, Mária TAKÁCS, György BERENCSI

### **A high percentage of the Hungarian health care workers is not protected against HAV**

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

VP-22

◆Ivan SABOL, Mihaela MATOVINA, Nina MILUTIN  
GASPEROV, Magdalena GRCE

### **Comparison of different PCR methods for papillomavirus detection**

Laboratory of Molecular Virology and Bacteriology, Division of Molecular Medicine, Ruđer Bošković Institute, Zagreb, Croatia

◆Evelin D. SZAKÁL, Sirpa RÄSÄNEN, Marjo SALMINEN, Timo VESIKARI

### **Rotavirus RNAemia in Finnish children with acute gastroenteritis**

Department of Virology, University of Tampere, Medical School, Tampere, Finland

VP-23

◆Krisztina SZARKA<sup>1</sup>, Etelka D. TÓTH<sup>2</sup>, Ildikó TAR<sup>2</sup>, Ildikó MÁRTON<sup>2</sup>, Lajos GERGELY<sup>1</sup>

### **Human papillomavirus is more prevalent in oral leukoplakia than in oral squamous cell carcinoma**

<sup>1</sup>Department of Medical Microbiology, Medical and Health Science Center, <sup>2</sup>Faculty of Dentistry, University of Debrecen, Debrecen, Hungary

VP-24

József SZARVAS<sup>1</sup>, Zoltán NAGY<sup>1</sup>, Csaba HAJDÚ<sup>1,2</sup>, ◆Gergely VILLÁS<sup>1</sup>

### **Diagnosis of the „La France Isometric Virus” (LIV) in the case of *Agaricus bisporus***

<sup>1</sup>Strain Research and Molecular Biological Laboratory, Quality Champignons Ltd, Demjén, <sup>2</sup>Vegetable and Mushroom Growing Department, Faculty of Horticultural Sciences, Corvinus University of Budapest, Budapest, Hungary

VP-25

◆László SZLÁVIK<sup>1</sup>, Ágnes GYURIS<sup>1</sup>, Judit HOHMANN<sup>2</sup>, József MOLNÁR<sup>3</sup>, János MINÁROVITS<sup>1</sup>

### **HIV-1 protease inhibition activity of alkaloids isolated from *Hymenocallis x festalis*, *Sprekelia formosissima* and *Leucjum vernum***



<sup>1</sup>National Center for Epidemiology, Microbiological Research Group, Budapest, Hungary, <sup>2</sup>Department of Pharmacognosy, <sup>3</sup>Department of Microbiology, University of Szeged, Szeged, Hungary

VP-26

♦Mária TAKÁCS, Katalin N. SZOMOR, Ágnes DENCs, György BERENCSI

#### **Phylogenetic analysis of hepatitis B sequences derived from Hungarian virus-carriers**

Division of Virology, „Béla Johan“ National Center for Epidemiology, Budapest, Hungary

VP-27

♦Zsuzsanna TAPASZTI<sup>1</sup>, Petra FORGÁCH<sup>1</sup>, Csaba KŐVÁGÓ<sup>1</sup>, Tamás BAKONYI<sup>1</sup>, Grażyna TOPOLSKA<sup>2</sup>, Miklós RUSVAI<sup>3</sup>

#### **Investigations on possible genetic recombinations between Central-European black queen cell virus genotypes**

<sup>1</sup>Department of Microbiology and Infectious Diseases, Faculty of Veterinary Science, Szent István University, Budapest, Hungary, <sup>2</sup>Laboratory of Bee Diseases, Department of Clinical Sciences, Faculty of Veterinary Medicine, Warsaw Agricultural University, Warsaw, Poland, <sup>3</sup>Department of Pathology and Forensic Veterinary Medicine, Faculty of Veterinary Science, Szent István University, Budapest, Hungary

VP-28

♦Krisztina URSU, Péter ZARKA, Róbert GLÁVITS

#### **PCR diagnosis of columbid circovirus infection in Hungary**

Central Veterinary Institute, Budapest, Hungary

VP-29

♦Erzsébet SOMBOR, Istvánné LÉVAI, ♦László OROSZ, Béla TARÓDI

#### **Identification and evaluation of HLA-a2 restricted HHV-6 specific t-cell epitopes**

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

### **11.00 – 12.00 Industrial Microbiology Session – Posters**

INP-1

Zsuzsanna BIRKÓ, Zsuzsanna KISS, ♦Sándor BIRÓ

#### **Study of the extracellular proteome of *Streptomyces griseus* during development**

Department of Human Genetics, Faculty of Medicine, Medical and Health Science Center, University of Debrecen, Debrecen, Hungary

INP-2

♦Éva KLEMENT<sup>2</sup>, Krisztina BUZÁS<sup>2</sup>, Gergely MARÓTI<sup>1</sup>, Barna FODOR<sup>1</sup>, Ákos T. KOVÁCS<sup>1</sup>, Dóra LATINOVICS<sup>1</sup>, Livia MÉSZÁROS<sup>1</sup>, Réka DÁVID<sup>1</sup>, Andrea NYILASI<sup>1</sup>, Judit BALOGH<sup>1</sup>, Gábor RÁKHELY<sup>1</sup>, Kornél L. KOVÁCS<sup>1</sup>, Katalin F. MEDZIHRAZSKY<sup>2,3</sup>

#### **Mass spectral identification of interacting proteins in the biosynthesis of Ni-Fe hydrogenases**

<sup>1</sup>Department of Biotechnology, University of Szeged, <sup>2</sup>Mass Spectrometry Facility, Biological Research Center, Szeged, Hungary, <sup>3</sup>Department of Pharmaceutical Chemistry, University of California, San Francisco, USA

INP-3

♦József KUKOLYA<sup>1</sup>, Terézia BARNA<sup>1</sup>, János KERÉKGYÁRTÓ<sup>1</sup>, István NAGY<sup>2</sup>, László KISS<sup>1</sup>

#### **Glycosynthase reaction – an alternative synthesis route for the production of bioactive oligosaccharides**

<sup>1</sup>Department of Biochemistry, Faculty of Sciences, University of Debrecen, Debrecen, Hungary, <sup>2</sup>Department of Structural Biology, Max-Planck-Institute for Biochemistry, Martinsried, Germany

INP-4

♦Ilona PANYIK, Antal SVASTITS, Ágoston HOSCHKE

#### **Possibilities of bioethanol production applying tuber crops as raw materials**

Department of Brewing and Distilling, Faculty of Food Science, Corvinus University of Budapest

INP-5

♦Viktória BÓDAI, Sarolta PILBÁK, Gábor SZATCKER, Enikő TŐKE, László POPPE

#### **Enantioselectivity in *Candida antarctica* lipase B reaction: transition states calculated by QM/MM methods**

Department of Organic Chemistry, Budapest University of Technology and Economics, Budapest, Hungary

INP-6

♦Emma DOROGHÁZI, Gergely MARÓTI, Gábor RÁKHELY, Kornél L. KOVÁCS

#### **Structural-functional analysis of [Ni-Fe] hydrogenases**

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

INP-7

♦Erzsébet FEKETE<sup>1</sup>, Erzsébet SÁNDOR<sup>2</sup>, Attila SZENTIRMAI<sup>1</sup>, Levente KARAFFA<sup>1</sup>

**Characterization of the expression of a gene encoding a lactose permease in the fungus *Aspergillus nidulans***

<sup>1</sup>Department of Microbiology and Biotechnology, Faculty of Science, University of Debrecen, Debrecen, Hungary, <sup>2</sup>Department of Plant Protection, Faculty of Agriculture, University of Debrecen, Debrecen, Hungary  
INP-8

♦ Gabriella FÜLE, Lenke HORVÁTH, Szilvia ZSÍROS, Katalin PEREI, Kornél L. KOVÁCS

**Biodegradation of oil-contaminated soils by microbial communities**

Department of Biotechnology, University of Szeged, Szeged, Hungary  
INP-9

♦ József KUTASI<sup>1</sup>, Viktor JURKOVICH<sup>2</sup>, Endre BRYDL<sup>2</sup>, László KÖNYVES<sup>2</sup>, Árpád BATA<sup>1</sup>

**Degradation of the fibre components of wheat straw and maize stalk by the thermophilic fungus *Thermomyces lanuginosus***

<sup>1</sup>Dr. Bata Canadian-Hungarian Biotechnological R&D Ltd., Ócsa, Hungary, <sup>2</sup>Department of Animal Hygiene, Herd Health and Veterinary Ethology, Faculty of Veterinary Science, Szent István University, Budapest, Hungary  
INP-10

♦ Quang D. NGUYEN, Judit M. REZESSY-SZABÓ, Ágoston HOSCHKE

**Modelling of continuous fermentation system using immobilized brewer's yeast**

Department of Brewing and Distilling, Faculty of Food Science, Corvinus University of Budapest, Budapest, Hungary  
INP-11

♦ Péter RAPALI<sup>1</sup>, Mónika MAGONY<sup>1</sup>, Anna GARA<sup>1</sup>, Kornél L. KOVÁCS<sup>1,2</sup>, Gábor RÁKHELY<sup>1,2</sup>

**Transcriptional analysis of genes encoding proteins involved in the biodegradation of sulfanilic acid**

<sup>1</sup>Department of Biotechnology, University of Szeged, <sup>2</sup>Institute of Biophysics, Biological Research Center, Hungarian Academy of Sciences, Szeged, Hungary  
INP-12

♦ Erzsébet SÁNDOR<sup>1</sup>, Kálmán Z. VÁCZY<sup>2</sup>, Irina DRUZHINI-NA<sup>3</sup>, Christian P. KUBICEK<sup>3</sup>, György J. KÖVICS<sup>1</sup>, Levente KARAFFA<sup>4</sup>

**Genetic characterization of grape-infecting *Botrytis cinerea* populations from the Eger wine region, Hungary**

<sup>1</sup>Department of Plant Protection, Centre for Agricultural Sciences, Faculty of Agriculture, University of Debrecen, Debrecen, Hungary, <sup>2</sup>Research Institute for

Viticulture and Enology, Eger, Hungary, <sup>3</sup>Department of Chemical Engineering, Research Area Gene Technology and Applied Biochemistry, TU Wien, Wien, Austria, <sup>4</sup>Department of Microbiology and Biotechnology, Faculty of Science, University of Debrecen, Debrecen, Hungary  
INP-13

♦ Csaba SISAK<sup>1</sup>, Zoltán KASKÖTŐ<sup>2</sup>, Tamás LAKATOS<sup>2</sup>  
**Cultivation studies on entomopathogenic nematode – bacterium symbiont complexes**

<sup>1</sup>Research Institute of Chemical and Process Engineering, University of Veszprém, Veszprém, Hungary, <sup>2</sup>Research and Extension Centre for Fruit Growing, Újfehértó, Hungary  
INP-14

♦ Anna GARA<sup>1</sup>, Péter RAPALI<sup>1</sup>, Mónika MAGONY<sup>1</sup>, Katalin PEREI<sup>1</sup>, Katalin F. MEDZIHRADESKY<sup>3</sup>, Kornél L. KOVÁCS<sup>1,2</sup>, Gábor RÁKHELY<sup>1,2</sup>

**Self-defending biodegradation of toxic compounds: coupling the uptake and oxidation of sulfanilic acid in *Shingomonas subarctica***

<sup>1</sup>Department of Biotechnology, University of Szeged, <sup>2</sup>Institute of Biophysics, Biological Research Center of the Hungarian Academy of Sciences, Szeged, Hungary, <sup>3</sup>Department of Pharmaceutical Chemistry, University of California, San Francisco, USA  
INP-15

♦ Zsófia HERBEL<sup>1,2</sup>, Balázs BÁLINT<sup>1,2</sup>, Zoltán BAGI<sup>2</sup>, Katalin PEREI<sup>2</sup>, Gábor RÁKHELY<sup>1,2</sup>, Kornél L. KOVÁCS<sup>1,2</sup>

**Biodegradation of keratin containing wastes: a molecular approach**

<sup>1</sup>Institute of Biophysics, Biological Research Center, Hungarian Academy of Sciences, <sup>2</sup>Department of Biotechnology, University of Szeged, Szeged, Hungary  
INP-16

♦ Andrea NYILASI<sup>1</sup>, Gergely MARÓTI<sup>1</sup>, Gábor RÁKHELY<sup>1,2</sup>, Kornél L. KOVÁCS<sup>1,2</sup>

**Investigation of HupK hydrogenase accessory protein in *Thiocapsa roseopersicina***

<sup>1</sup>Department of Biotechnology, University of Szeged, <sup>2</sup>Institute of Biophysics, Biological Research Center, Hungarian Academy of Sciences, Szeged, Hungary  
INP-17

Ferenc SZTARICSKAI<sup>1</sup>, Gyula BATTA<sup>1</sup>, Attila SZENTIRMAI<sup>2</sup>, András FODOR<sup>3</sup>, Károly MÁRIALIGETI<sup>4</sup>

**Search for natural antimicrobial compounds against fireblight**

<sup>1</sup>Research Group for Antibiotics, Hungarian Academy of Sciences – University of Debrecen, Debrecen, Hungary, <sup>2</sup>Department of Microbiology and Biotechnology, University of Debrecen, Debrecen, Hungary, <sup>3</sup>Department of Genetics, Eötvös Loránd University, Budapest, Hungary <sup>4</sup>Department of Microbiology, Eötvös Loránd University, Budapest, Hungary  
INP18

Zsolt SÁFÁR<sup>1</sup>, József KLEM<sup>1</sup>, Kornél L. KOVÁCS<sup>1,2</sup>

#### **Preliminary study of genes of hydrogen metabolism with transposon mutagenesis in *Methylococcus capsulatus* (Bath)**

<sup>1</sup>Department of Biotechnology, University of Szeged, Szeged, Hungary, <sup>2</sup>Institute of Biophysics, Biological Research Center, Szeged, Hungary

### 12.00 – 13.00 Mycology Session – Posters

MP-1

◆Ervin K. NOVÁK<sup>1</sup>, Judit ZALA<sup>2</sup>

#### **Half-century history of the Mycology Department at the National Institute of Public Health**

<sup>1</sup>Retired Head of Department and Judicial Expert in Mycology, Budapest,

<sup>2</sup>Mycology Department, National Center for Epidemiology, Budapest

MP-2

Béla SZAMECZ, Gabriella URBÁN, ◆László DORGAI

#### **Isolation and analysis of *His4*, a potential selection marker in a *Pichia* sp.**

Bay Zoltán Institute for Biotechnology, Szeged, Hungary

MP-3

◆Brigitta OLÁH<sup>1,2</sup>, Zoltán KERÉNYI<sup>1</sup>, Apor JENEY<sup>1</sup>, Anita KESZTHELYI<sup>1,2</sup>, László HORNOK<sup>1,2</sup>

#### **Cloning and characterization of *fpac1*, an adenylate cyclase gene from *Fusarium proliferatum***

<sup>1</sup>Agricultural Biotechnology Center, Gödöllő, Hungary, <sup>2</sup>Department of Agricultural Biotechnology and Microbiology, Group of Mycology, HAS, Szent István University, Gödöllő, Hungary

MP-4

Attila L. ÁDÁM<sup>1</sup>, ◆Gábor KOHUT<sup>1</sup>, László HORNOK<sup>1,2</sup>

#### **PCR based strategies for subgroup-specific cloning of map kinase genes from filamentous fungi**

<sup>1</sup>Group of Mycology HAS, Department of Agricultural Biotechnology and Microbiology, Szent István University, Gödöllő, Hungary, <sup>2</sup>Agricultural Biotechnology Center, Gödöllő, Hungary

MP-5

◆Anita KESZTHELYI<sup>1,2</sup>, Ineke DE VRIES<sup>3</sup>, Apor JENEY<sup>2</sup>, Zoltán KERÉNYI<sup>2</sup>, Odette MENDES<sup>3</sup>, Theo VAN DER LEE<sup>3</sup>, Cees WAALWIJK<sup>3</sup>, László HORNOK<sup>1,2</sup>

#### **Tagging target genes up-regulated by the Mat-2 product in *Fusarium verticillioides***

<sup>1</sup>Department of Agricultural Biotechnology and Microbiology, Group of Mycology, HAS, Szent István University, Gödöllő, Hungary, <sup>2</sup>Agricultural Biotechnology Center, Gödöllő, Hungary, <sup>3</sup>Business Unit Biointeractions and Plant Health, Plant Research International, Wageningen, The Netherlands

MP-6

#### **◆Ákos SVEICZER, Quynh Chi Le THI, Béla NOVÁK Developing a mathematical model for the fission yeast cell cycle**

Department of Agricultural Chemical Technology, Budapest University of Technology and Economics, Budapest, Hungary

MP-7

◆Tímea RÁCZ, Miklós PESTI

#### **Stress induction of human immunodeficiency virus type 1 protein r (VPR) on fission yeast**

Department of General and Environmental Microbiology, Faculty of Sciences, University of Pécs, Pécs, Hungary

MP-8

◆Mónika KOVÁCS<sup>1</sup>, Igor STUPAREVIČ<sup>2</sup>, Anna MARÁZ<sup>1</sup>

#### **Relationship between hydrophobicity and film-formation of *Saccharomyces cerevisiae* on liquid**

<sup>1</sup>Department of Microbiology and Biotechnology, Corvinus University of Budapest, Budapest, Hungary, <sup>2</sup>Department of Biochemistry, University of Zagreb, Zagreb, Croatia

MP-9

◆László KREDICS<sup>1</sup>, Christina KRATZER<sup>2</sup>, Christian P. KUBICEK<sup>3</sup>, Monika SCHMOLL<sup>3</sup>

#### **Application of rapid subtraction hybridization for the study of opportunistic pathogenicity related gene expression in *Trichoderma longibrachiatum***

<sup>1</sup>Microbiological Research Group, Hungarian Academy of Sciences and University of Szeged, Szeged, Hungary, <sup>2</sup>Department of Internal Medicine I, Division of Infectious Diseases and Chemotherapy, Medical University of Vienna, Vienna, Austria, <sup>3</sup>Division Gene Technology and Applied Biochemistry, Institute of Chemical Engineering, Technical University of Vienna, Vienna, Austria

MP-10

♦Lóránt HATVANI<sup>1</sup>, László KREDICS<sup>2</sup>, András SZEKERES<sup>1</sup>, Zsuzsanna ANTAL<sup>2</sup>, Adrienn NAGY<sup>3</sup>, László MANCZINGER<sup>1</sup>, Csaba VÁGVÖLGYI<sup>1</sup>

**Genetic diversity of *Trichoderma* strains and occurrence of *T. aggressivum* in Hungarian mushroom compost and substrate samples**

<sup>1</sup>Department of Microbiology, <sup>2</sup>Microbiological Research Group, Hungarian Academy of Sciences and University of Szeged, Szeged, Hungary, <sup>3</sup>Pilze-Nagy Ltd, Kecskemét, Hungary

MP-11

♦Miklós LÁDAY<sup>1</sup>, Zsuzsanna HAMARI<sup>2</sup>, Ákos JUHÁSZ<sup>2</sup>, Veronika STUBNYA<sup>3</sup>, László HORNOK<sup>3</sup>

**Characterisation of a novel mitochondrial plasmid in *Fusarium proliferatum***

<sup>1</sup>Plant Protection Institute, Hungarian Academy of Sciences, Budapest, Hungary, <sup>2</sup>Department of Microbiology, University of Szeged, Szeged, Hungary, <sup>3</sup>Department of Agricultural Biotechnology and Microbiology, Group of Mycology, HAS, Szent István University, Gödöllő, Hungary

MP-12

Zsuzsanna ANTAL<sup>1</sup>, ♦Lóránt HATVANI<sup>2</sup>, László KREDICS<sup>1</sup>, András SZEKERES<sup>2</sup>, László MANCZINGER<sup>2</sup>, Csaba VÁGVÖLGYI<sup>1</sup>, Elisabeth NAGY<sup>1,3</sup>

**Polymorphism of mitochondrial DNA among *Trichoderma* strains obtained from mushroom farms**

<sup>1</sup>Department of Microbiology, <sup>2</sup>Microbiological Research Group, Hungarian Academy of Sciences and University of Szeged, Szeged, Hungary, <sup>3</sup>Institute of Clinical Microbiology and Diagnostics, University of Szeged, Szeged, Hungary

MP-13

Zsuzsanna ANTAL<sup>1</sup>, ♦Lóránt HATVANI<sup>2</sup>, János VARGA<sup>2</sup>, László KREDICS<sup>1</sup>, András SZEKERES<sup>2</sup>, László MANCZINGER<sup>2</sup>, Csaba VÁGVÖLGYI<sup>2</sup>, Elisabeth NAGY<sup>1,3</sup>

**Double-stranded RNA elements in *Trichoderma* strains obtained from mushroom farms**

<sup>1</sup>Microbiological Research Group, Hungarian Academy of Sciences and University of Szeged, <sup>2</sup>Department of Microbiology, University of Szeged, Szeged, Hungary, <sup>3</sup>Institute of Clinical Microbiology, University of Szeged, Szeged, Hungary

MP-14

♦Árpád CSERNETICS<sup>1</sup>, Tamás PAPP<sup>1</sup>, Antonio VELAYOS<sup>2</sup>, Enrique A. ITURRIAGA<sup>2</sup>, Arturo P. ESLAVA<sup>2,3</sup>, Csaba VÁGVÖLGYI<sup>1</sup>

**Carotene production with genetically modified *Mucor circinelloides* strains**

<sup>1</sup>Department of Microbiology, Faculty of Sciences, University of Szeged, Hungary, <sup>2</sup>Área de Genética, Departamento de Microbiología y Genética, <sup>3</sup>Centro Hispano-Luso de Investigaciones Agrarias, University of Salamanca, Salamanca, Spain

MP-15

Wiebke GÄHRS<sup>1</sup>, ♦Zoltán TIGYI<sup>2</sup>, Levente EMÖDY<sup>2</sup>, Josef MAKOVITZKY<sup>1</sup>

**Topo-optical investigations on the cell wall of various yeasts**

<sup>1</sup>Department of Obstetrics and Gynecology, University of Rostock, Rostock, Germany, <sup>2</sup>Department of Medical Microbiology and Immunology, Faculty of Medicine, University of Pécs, Pécs, Hungary

MP-16

♦Miklós TAKÓ, Csaba VÁGVÖLGYI, Zsuzsanna PALÁGYI, Beáta LINKA, Tamás PAPP

**Characterization of carotenoid over-producing *Xanthophyllomyces dendrorhous* mutants**

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

MP-17

♦Erzsébet JAKUCS, Gábor M. KOVÁCS

**Morphological and molecular comparison of ectomycorrhizae of white truffles (*Tuber* spp.)**

Department of Plant Anatomy, Eötvös Loránd University, Budapest, Hungary

MP-18

♦Ivan KOSALEC<sup>1</sup>, Stjepan PEPELJNJAK<sup>1</sup>, Roberto ANTOLOVIĆ<sup>2</sup>, Dubravko JELIĆ<sup>2</sup>, Pierre GALTIER<sup>3</sup>, Olivier PUEL<sup>3</sup>

**Cytotoxicity screening of low-molecular-weight metabolites of *Candida* spp.**

<sup>1</sup>Institute of Microbiology, Faculty of Pharmacy and Biochemistry, University of Zagreb, Zagreb, Croatia, <sup>2</sup>Pliva Research Institute Ltd., Zagreb, Croatia, <sup>3</sup>Immuno-Mycotoxicologie Group, Laboratoire de Pharmacologie et Toxicologie, INRA, Toulouse, France

MP-19

♦Zsolt MOLNÁR, Erzsébet ZAVACZKI, Gábor DUDÁS, Tamás EMRI, István PÓCSI

**Involvement of G protein mediated signalling pathways in the regulation of autolysis in *Aspergillus nidulans***

Department of Microbiology and Biotechnology, Faculty of Sciences, University of Debrecen, Debrecen, Hungary

MP-20

♦Zuzana PIVOVAROVÁ, Elena PIECKOVÁ

**Susceptibility of *Aspergillus section nigri* to itraconazole detected according to NCCLS**

Laboratory of Mycology, Slovak Medical University, Bratislava, Slovakia

MP-21

♦Ágnes GYETVAI, Béla LENKEY

**Effect of methylprednisolone on the physiology of *Candida albicans***

Department of Microbiology and Biotechnology, University of Debrecen,

Debrecen, Hungary

MP-22

♦Ágnes GYETVAI, Tamás EMRI, Béla LENKEY, István PÓCSI

**Entry into the stationary phase of growth induces apoptosis in *Candida albicans***

Department of Microbiology and Biotechnology, University of Debrecen,

Debrecen, Hungary

MP-23

Zsuzsanna ANTAL<sup>1</sup>, ♦László KREDICS<sup>1</sup>, András SZEKERES<sup>2</sup>,  
János VARGA<sup>2</sup>, Lóránt HATVANI<sup>2</sup>, László MANCZINGER<sup>2</sup>,  
Csaba VÁGVÖLGYI<sup>2</sup>, Elisabeth NAGY<sup>1,3</sup>

**Taxonomic investigations of clinical *Trichoderma longibrachiatum* strains**

<sup>1</sup>Microbiological Research Group, Hungarian Academy of Sciences and  
University of Szeged, <sup>2</sup>Department of Microbiology, Faculty of Sciences,  
University of Szeged, Szeged, Hungary, <sup>3</sup>Institute of Clinical Microbiology and  
Diagnostics, University of Szeged, Szeged, Hungary

MP-24

Andrea POMÁZI<sup>1</sup>, Blanka KISS<sup>1</sup>, Ildikó MAGYAR<sup>2</sup>,

♦Anna MARÁZ<sup>1</sup>

**Population dynamics of *Saccharomyces sensu stricto* during fermentation of botrytized Aszu wine**

<sup>1</sup>Department of Microbiology and Biotechnology, Corvinus University of  
Budapest, Budapest, Hungary, <sup>2</sup>Department of Oenology, Corvinus University  
of Budapest, Budapest, Hungary

MP-25

Mária SZÁNTÓ

**Investigation of poplar leaf-rust species in Hungary**

Research Station Sárvár of Hungarian Forest Research Institute, Sárvár, Hungary

MP-26

♦Gabriella URBÁN, Béla SZAMECZ, László DORGAI  
**Identification and characterization of an autonomously replicating element from a *Pichia* sp.**

Bay Zoltán Institute for Biotechnology, Szeged, Hungary

MP-27

♦Kálmán Zoltán VÁCZY<sup>1</sup>, Lajos GÁL<sup>1</sup>, Levente KARAFFA<sup>2</sup>,  
György J. KÖVICS<sup>3</sup>, Erzsébet SÁNDOR<sup>3</sup>

**Genetic characterization of *Botrytis cinerea* isolates of Eger and Tokaj wine regions**

<sup>1</sup>Research Institute for Viticulture and Enology, Eger, Hungary, <sup>2</sup>Department of  
Microbiology and Biotechnology, Faculty of Science, University of Debrecen,  
Debrecen, Hungary, <sup>3</sup> Department of Plant Protection, Centre for Agricultural  
Sciences, Faculty of Agriculture, University of Debrecen, Debrecen, Hungary

MP-28

♦Apor JENEY<sup>1</sup>, Anita KESZTHELYI<sup>1,2</sup>, László HORNOK<sup>1,2</sup>  
**Inactivation of *Fpmtr*, an unusual amino acid transporter gene disturbs sexual and parasexual events in *Fusarium proliferatum***

<sup>1</sup>Agricultural Biotechnology Center, Gödöllő, Hungary, <sup>2</sup>Department of  
Agricultural Biotechnology and Microbiology, Group of Mycology, HAS, Szent  
István University, Gödöllő, Hungary

MP-29

József SZARVAS<sup>1</sup>, Zoltán NAÁR<sup>2</sup>, Zoltán NAGY<sup>1</sup>,

♦Gergely VILLÁS<sup>1</sup>

**Establishment of *Agaricus*-pathogen collection**

<sup>1</sup>Strain Research and Molecular Biological Laboratory, Quality Champignons  
Ltd, Demjén, Hungary, <sup>2</sup>Department of Botany, Eszterházy Károly College,  
Eger, Hungary

MP-30

Zuzana PIVOVAROVÁ

**Dwelling's fungal contamination and its possible health implications – a survey in Slovakia**

Laboratory of Mycology, Slovak Medical University, Bratislava, Slovakia

MP-31

Ivana ČELAP, G. HALEC, A-M. MIKECIN

**Airborne fungi on the Island Obonjan (Middle Adriatic, Croatia)**

Medical Biochemistry, Faculty of Pharmacy and Biochemistry, University of  
Zagreb, Zagreb, Croatia

**Friday, October 28**

**Room No. 1.**

**8.30 – 11.00 Virology Session III. – Lectures**

*Chairpersons: Károly NAGY and Ervin BALÁZS*

8.30 – 8.50

VL-22

♦Viktor MÜLLER<sup>1,9</sup>, Bruno LEDERGERBER<sup>2</sup>, Luc PERRIN<sup>3</sup>, Thomas KLIMKAIT<sup>4</sup>, Hans Jakob FURRER<sup>5</sup>, Amalio TELENTI<sup>6</sup>, Enos BERNASCONI<sup>7</sup>, Pietro VERNAZZA<sup>8</sup>, Huldrych F. GÜNTHARD<sup>2</sup>, Sebastian BONHOEFFER<sup>9</sup>

**No evolution of virulence in the Swiss HIV-1 epidemic**

<sup>1</sup>Bioinformatics Group, Department of Plant Taxonomy and Ecology, Eötvös L. University, Budapest, Hungary, <sup>2</sup>Division of Infectious Diseases and Hospital Epidemiology, University Hospital Zurich, Zurich, Switzerland, <sup>3</sup>Laboratory of Clinical Virology, University Hospital Geneva, Geneva, Switzerland, <sup>4</sup>Institute of Medical Microbiology, University of Basel, Basel, Switzerland, <sup>5</sup>Division of Infectious Diseases, University Hospital Berne, Inselspital, Berne, Switzerland, <sup>6</sup>Institute of Microbiology, University of Lausanne, Lausanne, Switzerland, <sup>7</sup>Division of Infectious Diseases, Hospital of Lugano, Lugano, Switzerland, <sup>8</sup>Division of Infectious Diseases, Kantonsspital St. Gallen, St. Gallen, Switzerland, <sup>9</sup>Ecology & Evolution, ETH Zürich, ETH Zentrum, Zürich, Switzerland

8.50 – 9.00

VL-23

♦Mária MEZEI<sup>1</sup>, Katalin BALOG<sup>1</sup>, Dunja Z. BABIČ<sup>2</sup>, Gábor TÓTH<sup>3</sup>, Gábor CECH<sup>4</sup>, Balázs VAJNA<sup>4</sup>, Tamás TAUBER<sup>4</sup>, Katja SEME<sup>2</sup>, Janez TOMAŽIČ<sup>5</sup>, Ludvik VIDMAR<sup>5</sup>, Mario POLJAK<sup>2</sup>, János MINÁROVITS<sup>1</sup>

**Genetic variability of gag and env regions of HIV-1 strains circulating in Slovenia**

<sup>1</sup>Microbiological Research Group, National Center for Epidemiology, Budapest, Hungary, <sup>2</sup>Institute of Microbiology and Immunology, Medical Faculty, University of Ljubljana, Ljubljana, Slovenia, <sup>3</sup>Bioinformatics Group, Agricultural Biotechnology Center, Gödöllő, Hungary, <sup>4</sup>Department of Microbiology, Eötvös Loránd University, Budapest, Hungary, <sup>5</sup>Department of Infectious Diseases, Medical Centre, Ljubljana, Slovenia

9.00 – 9.10

VL-24

♦Ákos GELLÉRT<sup>1,2</sup>, Katalin SALÁNKI<sup>1</sup>, Ervin BALÁZS<sup>1</sup>

**Characterization of the 461 amino acid position of Cucumber Mosaic Virus 1a protein responsible for necrosis induction**

9.10 – 9.20

<sup>1</sup>Institute of Environmental Biosafety, Agricultural Biotechnology Center, Gödöllő, Hungary, <sup>2</sup>Department of Theoretical Chemistry, Eötvös Loránd University, Budapest, Hungary

VL-25

♦Ágnes BUKOVINSZKI<sup>1</sup>, Reinhard GÖTZ<sup>2</sup>, Elisabeth JOHANSEN<sup>3</sup>, Ervin BALÁZS<sup>1</sup>, Edgar MAISS<sup>2</sup>

**Generating and studying the infectivity of coat protein chimeras of Potato Virus Y**

<sup>1</sup>Institute of Environmental Biosafety, Agricultural Biotechnology Center, Gödöllő, Hungary, <sup>2</sup>Institut für Pflanzenkrankheiten und Pflanzenschutz, Universität Hannover, Hannover, Germany, <sup>3</sup>Genetics and Biotechnology, Research Centre Foulum, Tjele, Denmark.

9.20 – 9.30

VL-26

♦Petra FORGÁCH<sup>1</sup>, Annika HAAGSMAN<sup>2</sup>, Dezső SZÜGYI<sup>1</sup>, János ZENTAI<sup>3</sup>, Gábor REUTER<sup>4</sup>, Tamás BAKONYI<sup>1</sup>, György SZÚCS<sup>4</sup>

**Presence and phylogenetic relationship of Hepatitis E Virus of animal origin in Hungary**

<sup>1</sup>Department of Microbiology and Infectious Diseases, Faculty of Veterinary Science, Szent István University, Budapest, Hungary, <sup>2</sup>Rijksinstituut voor Volksgezondheid en Milieu, Bilthoven, The Netherlands, <sup>3</sup>MAVAD-Vecsés Vadfeldolgozó Kft., Vecsés, Hungary, <sup>4</sup>Regional Laboratory of Virology, Baranya County Institute of State Public Health Service, Pécs, Hungary

9.30 – 9.40

VL-27

♦Gábor REUTER<sup>1</sup>, Domonka FODOR<sup>2</sup>, Andrea KÁTAI<sup>3</sup>, György SZÚCS<sup>1</sup>

**Molecular detection of Hepatitis E Virus (HEV) in non-imported hepatitis case – identification of a potential new human Hepatitis E Virus strain in Hungary**

<sup>1</sup>Regional Laboratory of Virology, Baranya County Institute of State Public Health Service, Pécs, Hungary, <sup>2</sup>Department of Infectology, City Hospital of Szeged, Szeged, Hungary, <sup>3</sup>Regional Laboratory of Microbiology, Csongrád County Institute of State Public Health Service, Szeged, Hungary

**9.40 – 10.00 Coffee break**

*Chairpersons: György SZÚCS and Mária TAKÁCS*

10.00 – 10.10

VL-28

♦Gábor REUTER<sup>1</sup>, Ágnes JUHÁSZ<sup>2</sup>, Lászlóné KOSZTOLÁNYI<sup>3</sup>, Éva LEFLER<sup>2</sup>, Zsuzsanna FEKETE<sup>1</sup>

**Cocirculation of genotype Ia and new variant Ib Hepatitis A Virus (HAV) strains in outbreaks of acute hepatitis in Hungary – 2003/2004**

<sup>1</sup>Regional Laboratory of Virology, Department of Epidemiology, Baranya County Institute of State Public Health Service, Pécs, Hungary, <sup>2</sup>Hajdú-Bihar County Institute of State Public Health Service, Debrecen, Hungary, <sup>3</sup>Regional Laboratory of Virology, Borsod-Abaúj-Zemplén County Institute of State Public Health Service, Miskolc, Hungary

10.10 – 10.20

VL-29

♦Péter GERMÁN<sup>1</sup>, Márta ANTAL<sup>1</sup>, László SÁMI<sup>1</sup>, István KISS<sup>1</sup>, Sándor BELÁK<sup>2</sup>

**Detection of avian influenza virus and Newcastle disease virus by a novel real-time RT-PCR using light upon extension (LUX) fluorogenic primers**

<sup>1</sup>Central Veterinary Institute, Institute of Debrecen, Debrecen, Hungary, <sup>2</sup>Department of Virology, The National Veterinary Institute, Uppsala, Sweden

10.20 – 10.30

VL-30

♦Edit ZÁDORI<sup>1</sup>, Etelka TÓTH<sup>2</sup>, György BERENCSEI<sup>2</sup>

**Unforeseen behaviour of the rabies virus in mouse experimental system**

<sup>1</sup>Department for Control of Virus Vaccines, <sup>2</sup>Department of Virology, National Center for Epidemiology, Budapest, Hungary

10.30 – 10.40

VL-31

♦Tamás BAKONYI<sup>1,4</sup>, Zdenek HUBÁLEK<sup>2</sup>, Emőke FERENCZI<sup>3</sup>, Ivo RUDOLF<sup>2</sup>, Norbert NOWOTNY<sup>4</sup>

**Phylogenetic analysis of Tahyna virus strains isolated in Central-Europe**

<sup>1</sup>Department of Microbiology and Infectious Diseases, Faculty of Veterinary Science, Szent István University, Budapest, Hungary, <sup>2</sup>Institute of Vertebrate Biology, Academy of Sciences, ASCR, Valtice, Czech Republic, <sup>3</sup>Department of Virology, „Béla Johan“ National Center for Epidemiology, Budapest, Hungary, <sup>4</sup>Zoonoses and Emerging Infections Group, Clinical Virology, Clinical Department of Diagnostic Imaging, Infectious Diseases and Clinical Pathology, University of Veterinary Medicine, Vienna, Austria

10.40 – 10.50

VL-32

♦Gyula BALKÁ<sup>1</sup>, Ákos HORNYÁK<sup>2,4</sup>, Ádám BÁLINT<sup>4</sup>, István KISS<sup>3</sup>, Sándor KECSKEMÉTI<sup>3</sup>, Miklós RUSVAI<sup>1</sup>

**Phylogenetic analysis of Hungarian PRRSV strains**

<sup>1</sup>Department of Pathology and Forensic Veterinary Medicine, Faculty of Veterinary Science, Szent István University, Budapest, Hungary, <sup>2</sup>Department of Microbiology and Infectious Diseases, Faculty of Veterinary Science, Szent István University, Budapest, Hungary, <sup>3</sup>Central Veterinary Institute, Veterinary Institute of Debrecen, Debrecen, Hungary, <sup>4</sup>Central Veterinary Institute, Budapest, Hungary

10.50 – 11.00

VL-33

♦Gábor REUTER<sup>1,2</sup>, Harry VENNEMA<sup>2</sup>, Marion KOOPMANS<sup>2</sup>, György SZÚCS<sup>1</sup>

**Epidemic spread of recombinant noroviruses with four capsid types in Hungary**

<sup>1</sup>Regional Laboratory of Virology, Baranya County Institute of State Public Health Service, Pécs, Hungary, <sup>2</sup>Diagnostic Laboratory for Infectious Diseases and Perinatal Screening, RIVM National Institute for Public Health and the Environment, Bilthoven, The Netherlands



Friday, October 28

Room No. 2.

**8.00 – 10.10 Mycology Session**

Chairpersons: *László MAJOROS and Roberto ANTOLOVIĆ*

- 8.00 – 8.30 ML-11  
Tanja GALIĆ, Ivan PAŠKVAN, ♦Roberto ANTOLOVIĆ  
**How the potential antifungal drug enters the cells of *Candida albicans***  
Department of Biology, PLIVA Research Institute Ltd, PLIVA Research & Development Ltd, Zagreb, Croatia
- 8.30 – 8.50 ML-12  
♦Elena PIECKOVA<sup>1</sup>, Rafal GORNY<sup>2</sup>, Jacek DUTKIEWICZ<sup>3</sup>, Albinas LUGAUSKAS<sup>4</sup>, Arunas KRIKSTAPONIS<sup>4</sup>, Katerina KLANOVA<sup>5</sup>, Natalya MATJUSHKOVA<sup>6</sup>  
**Indoor Mycology Networking in new EU member states from Central Europe**  
<sup>1</sup>Slovak Medical University, Bratislava, Slovakia, <sup>2</sup>Institute of Occupational Medicine and Environmental Health, Sosnowiec, Poland, <sup>3</sup>Institute of Agricultural Medicine, Lublin, Poland, <sup>4</sup>Institute of Botany, Vilnius, Lithuania, <sup>5</sup>National Institute of Public Health, Prague, Czech Republic, <sup>6</sup>Faculty of Biology, Riga, Latvia
- 8.50 – 9.10 ML-13  
♦László MAJOROS<sup>1</sup>, Gábor KARDOS<sup>1</sup>, E. FALUSI<sup>1</sup>, Cecília MISZTI<sup>1</sup>, P. McNICHOLAS<sup>2</sup>  
**Determination of minimal fungicidal concentrations of posaconazole against seven *Candida* species**  
<sup>1</sup>Department of Medical Microbiology, University of Debrecen, Hungary, <sup>2</sup>Schering-Plough Research Institute, Kenilworth, NJ, USA
- 9.10 – 9.30 ML-14  
♦Gábor KARDOS<sup>1,2</sup>, László MAJOROS<sup>1</sup>  
**Genetic diversity of *Candida albicans* strains isolated from oral, urine and blood samples**  
<sup>1</sup>Department of Medical Microbiology, University of Debrecen, Debrecen, Hungary, <sup>2</sup> Institute of Debrecen, National Veterinary Institute, Debrecen, Hungary
- 9.30 – 9.50 ML-15  
♦Judit ANTAL<sup>1,3</sup>, Zongliang XIA<sup>2</sup>, Zsigmond BENKÓ<sup>1</sup>, Zhiqiang DU<sup>2</sup>, Fang SHI<sup>2</sup>, Kufan LIU<sup>2</sup>, Miklós PESTI<sup>3</sup>, Daowen WANG<sup>2</sup>, Richard Yuqi ZHAO<sup>1</sup>

**Movement protein of plant pathogenic BYDV causes mitotic abnormalities and cell cycle arrest in fission yeast**

<sup>1</sup>Children's Memorial Institute for Education and Research, Northwestern University, Chicago, USA, <sup>2</sup>Institute of Genetics and Developmental Biology, Chinese Academy of Sciences, Beijing, China, <sup>3</sup>Department of General and Environmental Microbiology, University of Pécs, Pécs, Hungary

- 9.50 – 10.10 ML-16  
♦László DORGAI, Béla SZAMECZ, Gabriella URBÁN  
**Development of an expression system based on a newly isolated methylotrophic yeast**  
Bay Zoltán Institute for Biotechnology, Szeged, Hungary

**10.10 – 10.30 Coffee break**

**10.30 – 13.25 Bacteriology Session – Lectures**

Chairpersons: *Ferenc ROZGONYI and Sonja SMOLE-MO INA*

- 10.30 – 10.45 BL-16  
♦Orsolya DOBAY<sup>1,2</sup>, Ferenc ROZGONYI<sup>1</sup>, Fiona WALSH<sup>2</sup>, Matthew DIGGLE<sup>3</sup>, Sebastian G.B. AMYES<sup>2</sup>  
**Direct comparison of pulsed-field gel electrophoresis (PFGE) and multilocus sequence typing (MLST)**  
<sup>1</sup>Institute of Medical Microbiology, Semmelweis University, Budapest, Hungary, <sup>2</sup>Department of Medical Microbiology, Edinburgh University, Edinburgh, Scotland, UK, <sup>3</sup>Scottish Meningococcal and Pneumococcal Reference Laboratory, Stobhill Hospital, Glasgow, Scotland, UK
- 10.45 – 11.00 BL-17  
♦Gábor KARDOS<sup>1,2</sup>, Márta ANTAL, István TÓTH<sup>3</sup>, István KISS<sup>1</sup>, Béla NAGY<sup>3</sup>  
**Genetically related clusters among Hungarian *Escherichia coli* O157 EHEC and EPEC strains**  
<sup>1</sup>Institute of Debrecen, National Veterinary Institute, Debrecen, Hungary, <sup>2</sup>Department of Medical Microbiology, University of Debrecen, Debrecen, Hungary, <sup>3</sup>Veterinary Medical Research Institute, HAS, Budapest, Hungary
- 11.00 – 11.10 BL-18  
♦Gábor NYÍRÓ<sup>1,2</sup>, Lisa KLASSON<sup>1</sup>, Ylva LUTNAES<sup>1</sup>, Kristina NÄSLUND<sup>1</sup>, Ann-Sofie ERIKSSON<sup>1</sup>, Siv ANDERSSON<sup>1</sup>  
**Comparative genomics of different strains of *Wolbachia pipientis* bacteria**  
<sup>1</sup>Department of Evolution, Genomics and Systematics, EBC, Uppsala University, Uppsala, Sweden, <sup>2</sup>Department of Microbiology, Eötvös Loránd University, Budapest, Hungary



11.10 – 11.25 BL-19  
Mónika PÁSZTOR  
**Rapid identification of microorganisms in blood cultures using fluorescent in situ hybridization**

Department of Microbiology, National Hospital for Infectious Diseases St. László, Budapest, Hungary

11.25 – 11.40 BL-20  
♦Boglárka SELLYEI, Zsuzsanna VARGA, Tibor MAGYAR  
**Comparative study on *Pasteurella multocida* isolates using traditional and molecular diagnostic methods**

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

11.40 – 12.00 Coffee break

Chairpersons: András MICZÁK and Dušica VUJAKLIJA

12.00 – 12.20 BL-21  
Ivan MIJAKOVIĆ<sup>1</sup>, Dina PETRANOVIĆ<sup>1</sup>, Tina ČEPO<sup>2</sup>, Julian DAVIES<sup>3</sup>, Peter R. JENSEN<sup>1</sup>, Dušica VUJAKLIJA<sup>2</sup>  
**Bacterial single-stranded DNA-binding proteins are phosphorylated on tyrosine**

<sup>1</sup>Microbial Physiology and Genetics group, BioCentrum, Technical University of Denmark, Lyngby, Denmark, <sup>2</sup>Ruđer Bošković Institute, Zagreb, Croatia, <sup>3</sup>Department of Microbiology and Immunology, University of British Columbia, Vancouver, Canada

12.20 – 12.40 BL-22  
♦Ksenija ZAHRAĐKA<sup>1</sup>, Adriana BAILONE<sup>2</sup>, Dietrich AVERBECK<sup>3</sup>, Mirjana PETRANOVIĆ<sup>1</sup>, Miroslav RADMAN<sup>4</sup>  
***Deinococcus radiodurans*: the most efficient DNA repair involves coupled replication and recombination processes**

<sup>1</sup>Ruđer Bošković Institute, Department of Molecular Biology, Zagreb, Croatia, <sup>2</sup>Institut de Génétique et Microbiologie, Bat. 409, Université Paris-Sud, Orsay Cedex, France, <sup>3</sup>Institut Curie, Bat. 110, Université Paris-Sud, Orsay Cedex, France, <sup>4</sup>INSERM U571, Faculté de Médecine René Descartes, Université Paris-5, Paris Cedex, France

12.40 – 12.55 BL-23  
♦József SÓKI, Csilla RÁTKAI, Elisabeth NAGY  
**Possible roles and functions of an abundant, 5.6 kb small plasmid of *Bacteroides* spp.**

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

12.55 – 13.10 BL-24  
♦Sonja SMOLE-MOŽINA, Anja KLANČNIK  
**Physiological adaptation of *Campylobacter jejuni* under conditions of thermal and oxidative stress**

University of Ljubljana, Biotechnical Faculty, Department of Food Science and Technology, Ljubljana, Slovenia

13.10 – 13.25 BL-25  
♦Rahul MITTAL, Saroj SHARMA, Sanjay CHHIBBER, Kusum HARJAI  
**Contribution of macrophage secretory products to virulence of *Pseudomonas aeruginosa* in urinary tract infection**

Department of Microbiology, BAMS Block, Panjab University, Chandigarh, India



Friday, October 28

Room No. 3.

8.00 – 10.15 Immunology and Parasitology Session – Lectures

Chairpersons: Éva GÖNCZÖL and Yvette MÁNDI

8.00 – 8.20 IL-1  
♦Maja ABRAM, Darinka VUČKOVIĆ, Marina BUBONJA, Miljenko DORIĆ  
**Immunohistopathological study of *Listeria monocytogenes* infection in pregnant mice**

Department of Microbiology, Medical Faculty, University of Rijeka, Rijeka, Croatia

8.20 – 8.35 IL-2  
♦Anita SZALMÁS<sup>1</sup>, Ferenc BÁNÁTI<sup>2</sup>, Anita KOROKNAI<sup>2</sup>, Dániel SALAMON<sup>2</sup>, Enikő FEHÉR<sup>1</sup>, Lajos GERGELY<sup>1</sup>, János MINÁROVITS<sup>2</sup>, József KÓNYA<sup>1</sup>

**Promoter methylation and chromatin structure in the regulation of human interleukin-10 gene expression**

<sup>1</sup>Department of Medical Microbiology, Medical and Health Science Center, University of Debrecen, Debrecen, Hungary, <sup>2</sup>Microbiological Research Group, National Center for Epidemiology, Budapest, Hungary

8.35 – 8.50 IL-3  
♦Péter HOFNER, Zsófia GYULAI, Loránd KOVÁCS, András MICZÁK, Yvette MÁNDI  
**The role of TNF-alpha polymorphism in *Mycobacterium bovis* BCG induced TNF production**

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

8.50 – 9.05 IL-4  
♦Ida Jusztina KOVÁCS<sup>1</sup>, Katalin HEGEDŰS<sup>1</sup>, Attila PÁL<sup>2</sup>, Rozália PUSZTAI<sup>2</sup>  
**Human cytomegalovirus strains elicit different levels of IL-8 and permissiveness in epithelial cells**

<sup>1</sup>Department of Medical Microbiology and Immunobiology, <sup>2</sup>Department of Obstetrics and Gynecology, University of Szeged, Szeged, Hungary

9.05 – 9.15 BL-5  
♦Bálint TRESÓ<sup>1</sup>, Zoltán KIS<sup>1</sup>, Katalin BURIÁN<sup>2</sup>, Valéria ENDRÉSZ<sup>2</sup>, György BERENCSEI<sup>1</sup>, Éva GÖNCZÖL<sup>1</sup>  
**The effect of penicillin treatment on the expression of *Chlamydia pneumoniae* genes**

9.15 – 9.25 BL-6  
♦Zoltán KIS<sup>1</sup>, Bálint TRESÓ<sup>1</sup>, Valéria ENDRÉSZ<sup>2</sup>, Katalin BURIÁN<sup>2</sup>, György BERENCSEI<sup>1</sup>, Éva GÖNCZÖL<sup>1</sup>  
***Chlamydia pneumoniae* gene expression in human dendritic cells**

<sup>1</sup>Béla Johan National Center for Epidemiology, Budapest, Hungary,

<sup>2</sup>Department of Medical Microbiology and Immunobiology, University of Szeged, Szeged, Hungary

9.25 – 9.45 IL-7  
♦Zsuzsanna SZÉNÁSI<sup>1</sup>, István KUCSERA<sup>1</sup>, Katalin N. HORVÁTH<sup>1</sup>, Pálma MÁRTON<sup>1</sup>, Erika OROSZ<sup>1</sup>, Krisztina MENYHÁRT<sup>2</sup>, Zsolt SZEIDEMANN<sup>2</sup>  
**Prevalence and molecular biologic characterization of zoonotic protozoa, *Giardia duodenalis* in humans and animals with special reference to laboratory diagnostic and epidemiologic aspects**

<sup>1</sup>National Reference Laboratory for Diseases Caused by Intestinal Protozoa, Department of Parasitology, 'Johan Béla' National Center for Epidemiology, Budapest, Hungary, <sup>2</sup>Bayer HealthCare, Budapest, Hungary

9.45 – 10.00 IL-8  
♦Katalin N. HORVÁTH<sup>1</sup>, Zsuzsanna SZÉNÁSI<sup>1</sup>, István KUCSERA<sup>1</sup>, Roszica TODOROVA<sup>2</sup>  
**Usefulness of the PCR methods in the diagnosis of *Plasmodium* infections**

<sup>1</sup>Department of Parasitology, 'Johan Béla' National Center for Epidemiology, Budapest, Hungary, <sup>2</sup>Laboratory of Microbiology, 'Szent László' Hospital of Infectious Diseases, Budapest, Hungary

10.00 – 10.15 IL-9  
♦Judit PLUTZER, Andrea TÖRÖK  
**Are the Hungarian drinking waters contaminated with *Giardia* and *Cryptosporidium* protozoans?**  
Department of Water Hygiene, National Institute of Environmental Health, Budapest, Hungary

10.15 – 10.30 Coffee break

**10.30 – 12.50 Environmental and Agricultural Microbiology Session**

*Chairperson: Károly MÁRIALIGETI and Blaž STRES*

- 10.30 – 10.50 AL-21  
Blaž STRES  
**Denitrification in extreme environments**  
University of Ljubljana, Biotechnical Faculty, Department of Food Science and Technology, Ljubljana, Slovenia
- 10.50 – 11.10 AP-22  
♦Dijana ŠKORIĆ, Martina ŠERUGA MUSIĆ, Mladen KRAJACIĆ  
**Phytoplasmias – prokaryotes with a minimal gene set for life and their parasitism**  
Department of Biology, Faculty of Science, University of Zagreb, Croatia
- 11.10 – 11.30 AL-23  
♦Sándor BALÁZSY<sup>1</sup>, Nadiya BOIKO<sup>2</sup>, Judit L. HALÁSZ<sup>1</sup>, Márta D. TÓTH<sup>1</sup>, László SIMON<sup>1</sup>  
**Effect of metals on the microbial communities of the Upper-Tisza and Szamos rivers**  
<sup>1</sup>Department of Botany, College Faculty of Science, College of Nyíregyháza, Nyíregyháza, Hungary, <sup>2</sup>State University of Uzhorod, Uzhorod, Ukraine
- 11.30 – 11.40 AL-24  
♦Tamás FELFÖLDI<sup>1</sup>, Boglárka SOMOGYI<sup>2</sup>, Orsolya KERÉNYI<sup>1</sup>, Lajos VÖRÖS<sup>2</sup>, Károly MÁRIALIGETI<sup>1</sup>  
**Molecular analysis of the diversity of picoplankton populations in some Hungarian freshwaters**  
<sup>1</sup>Department of Microbiology, Eötvös Loránd University, Budapest, Hungary, <sup>2</sup>Balaton Limnological Research Institute of the HAS, Tihany, Hungary
- 11.40 – 11.50 AL-25  
♦Judit L. HALÁSZ<sup>1</sup>, Márta D. TÓTH<sup>1</sup>, Sándor BALÁZSY<sup>1</sup>, Rene ROHR<sup>2</sup>  
**Environmental microbiological studies on landfill sites**  
<sup>1</sup>Department of Biology, College of Nyíregyháza, Nyíregyháza, Hungary, <sup>2</sup>Ecologie Microbienne, Université Claude Bernard Lyon 1. Bat. Lwoff 43, Villeurbanne, Lyon, France
- 11.50 – 12.00 AL-26  
♦Beatrix POLLÁK, Anna RUSZNYÁK, Márton PALATIN-SZKY, Károly MÁRIALIGETI, Andrea K. BORSODI  
**Comparative studies on bacterial communities from sediments of soda lakes located in the region of Tiszántúl, Hungary**  
Department of Microbiology, Eötvös Loránd University, Budapest, Hungary

- 12.00 – 12.10 AL-27  
Rita VASDINYEI  
**Studies on *Cylindrospermopsis raciborskii* and other cyanobacteria producing cylindrospermopsin**  
Department of Water Hygiene, National Institute for Environmental Health, Fodor József National Center for Public Health, Budapest, Hungary
- 12.10 – 12.20 AL-28  
♦Márta VARGHA, Orsolya BERKI, Judit PLUTZER, Andrea TÖRÖK, Mihály KÁDÁR  
**Factors influencing the water quality of Lake Balaton**  
Department of Water Hygiene, National Institute for Environmental Health, Fodor József National Center for Public Health, Budapest, Hungary
- 12.20 – 12.30 AL-29  
♦József KUKOLYA<sup>1</sup>, Csaba DOBOLYI<sup>2</sup>, Anikó ALFÖLDI<sup>2</sup>, Erika TÓTH<sup>3</sup>, Károly MÁRIALIGETI<sup>3</sup>  
**Isolation and taxonomic investigation of a stable cellulolytic co-culture from mesophilic compost**  
<sup>1</sup>Department of Biochemistry, Faculty of Sciences, University of Debrecen, Debrecen, Hungary, <sup>2</sup>Department of Agricultural Biotechnology and Microbiology, Szent István University, Gödöllő, Hungary, <sup>3</sup>Department of Microbiology, Faculty of Science, Eötvös Loránd University, Budapest, Hungary
- 12.30 – 12.40 AL-30  
Ana Begonja KOLAR<sup>1</sup>, ♦Dubravka HRSÁK<sup>1</sup>, Sanja FINGLER<sup>2</sup>, Ernest VONCINA<sup>3</sup>  
**PCB degrading bacteria from marine sediments**  
<sup>1</sup>Center for Marine and Environmental Research, Ruđer Bošković Institute, Croatia, <sup>2</sup>Institute for Medical Research and Occupational Health, Zagreb, Croatia, <sup>3</sup>Public Health Institute Maribor, Environmental Protection Institute, Maribor, Slovenia
- 12.40 – 12.50 AL-31  
Tibor SZILI-KOVÁCS<sup>1</sup>, Zsuzsanna POCHNER<sup>2</sup>, Melinda Halassy<sup>3</sup>, Katalin Török<sup>3</sup>  
**Characterizing of soil microbial communities by phospholipid fatty acid (PLFA) pattern and isolated strains by cellular fatty acid and DNA based techniques after multi-year organic C amendments**  
<sup>1</sup>Research Institute for Soil Science and Agriculture, HAS, Budapest, Hungary, <sup>2</sup>Department of Microbiology, Eötvös L. University, Budapest, Hungary, <sup>3</sup>Ecological and Botanical Research Institute, HAS, Vácrtót, Hungary

**Friday, October 28**

**Gulács Room**

**8.00 – 14.00 Industrial Microbiology Session – Lectures**

*Chairpersons: Jasenka PIGAC and Sándor BIRÓ*

- 8.00 – 8.20 INL-1  
♦Bernhard SEIBOTH, Lukas HARTL, Christian GAMAUF, Stefan POLAK, Christian P. KUBICEK  
**Regulation of cellulases expression during growth on lactose in *Hypocrea jecorina***  
Department of Molecular Biotechnology, Research Division for Gene Technology and Applied Biochemistry, Institute for Chemical Engineering, Vienna University of Technology, Wien, Austria
- 8.20 – 8.40 INL-2  
Monika SCHMOLL  
**The blazing senses of a biotechnological cell factory: Cellulase expression of *Hypocrea jecorina* is influenced by light**  
Research Division for Gene Technology and Applied Biochemistry, Institute for Chemical Engineering, Vienna University of Technology, Wien, Austria
- 8.40 – 9.00 INL-3  
Dušica VUJAKLIJA, Ivana LESCIC, Marija ABRAMIC, Biserka KOLS-PRODIC, ♦Jasenka PIGAC  
**Streptomycetes as producers of lipolytic enzymes**  
Ruđer Bošković Institute, Zagreb, Croatia
- 9.00 – 9.20 INL-4  
♦Michel FLIPPHI, Xavier ROBLET, Béatrice FELENBOK, Christian VÉLOT  
**Functional analysis of *Alcs*, a gene of the ethanol utilization (*alc*) cluster in *Aspergillus nidulans***  
Institut de Génétique et Microbiologie, CNRS UMR 8621, Université Paris-Sud XI Centre Scientifique d'Orsay, Orsay, France
- 9.20 – 9.40 INL-5  
♦Balázs ERDÉLYI<sup>1</sup>, Attila KÓNYA<sup>2</sup>, Antal SZABÓ<sup>1</sup>, Gábor SERES<sup>3</sup>, Gábor SZATCKER<sup>4</sup>, László POPPE<sup>4</sup>  
**Enzymatic production of chiral 1-aryl- and 1-alkylethanol**  
<sup>1</sup>Fermentation Pilot Plant, <sup>2</sup>Cell and Microbiological Control Group, <sup>3</sup>Analytical Department, IVAX Drug Research Institute Ltd., Hungary, <sup>4</sup>Department of Organic Chemistry, Budapest University of Technology and Economics, Budapest, Hungary

- 9.40 – 10.00 INL-6  
♦Levente KARAFFA, Erzsébet FEKETE, Attila SZENTIRMAI  
**Specific growth rate – an elusive but crucial factor in the regulation of fungal metabolism**  
Department of Microbiology and Biotechnology, Faculty of Science, University of Debrecen, Debrecen, Hungary
- 10.00 – 10.20 INL-7  
Péter HAMERLI  
**Novel bioreactor systems for mammalian and plant cell cultivation**  
Sartorius Membrán Kft, Budakeszi, Hungary
- 10.20 – 10.40 INL-8  
♦József KUKOLYA<sup>1</sup>, Csaba FEKETE<sup>1</sup>, Zoltán DÓRI-TÓTH<sup>2</sup>, Jos VANDERLEYDEN<sup>3</sup>, Stijn SPAEPEN<sup>3</sup>, David B. WILSON<sup>4</sup>, László KISS<sup>1</sup>  
**Cloning and biochemical characterization of a  $\beta$ -xylosidase (*Xyna*) a new member of the hemicellulase enzyme system of *Thermobifida fusca***  
<sup>1</sup>Department of Biochemistry, Faculty of Sciences, University of Debrecen, Debrecen, Hungary, <sup>2</sup>Department of Agricultural Biotechnology and Microbiology, Szent István University, Gödöllő, Hungary, <sup>3</sup>Centre of Microbial and Plant Genetics, Katholieke Universiteit Leuven, Leuven, Belgium, <sup>4</sup>Department of Molecular Biology and Genetics, Cornell University, Ithaca, NY, USA

**10.40 – 11.00 Coffee break**

*Chairpersons: Attila SZENTIRMAI and Levente KARAFFA*

- 11.20 – 11.40 INL-9  
♦Zoltán BAGI<sup>1</sup>, Katalin PEREI<sup>1</sup>, Kornél L. KOVÁCS<sup>1,2</sup>  
**Towards an efficient and integrated biogas technology**  
<sup>1</sup>Department of Biotechnology, University of Szeged, <sup>2</sup>Institute of Biophysics, Biological Research Centre, Hungarian Academy of Sciences, Szeged, Hungary
- 11.40 – 12.00 INL-10  
♦Ilona BOLDIZSÁR-SINKÓ, Gábor HANTOS  
**Delta 1-dehydrogenation of steroids with immobilized and cell-free enzyme-systems**  
Chemical Works of Gedeon Richter Ltd., Budapest, Hungary

12.00 – 12.20 INL-11  
♦Zsófia KÁDÁR<sup>1</sup>, Csaba BALOGH<sup>1</sup>, San Feng MALTHA<sup>2</sup>, Wim de LAAT<sup>2</sup>  
**Microbial production of biofuels from wastes**  
<sup>1</sup>Department of Agricultural Chemical Technology, Budapest University of Technology and Economics, Budapest, Hungary, <sup>2</sup>Royal Nedalco B.V., Bergen op Zoom, The Netherlands

12.20 – 12.40 INL-12  
♦Krisztina KOVÁCS<sup>1</sup>, György SZAKÁCS<sup>1</sup>, Viviána NAGY<sup>1</sup>, Judit SZENDEFY<sup>1</sup>, László MEGYERI<sup>1</sup>, Károly TAKÁCS<sup>1</sup>, László POPPE<sup>2</sup>, Ashok PANDEY<sup>3</sup>, Robert P. TENGERTDY<sup>4</sup>, Lew CHRISTOPHER<sup>5</sup>, Ibrahim Che OMAR<sup>6</sup>  
**Production of enzymes by solid-state fermentation**  
<sup>1</sup>Department of Agricultural Chemical Technology, <sup>2</sup>Institute for Organic Chemistry, Budapest University of Technology and Economics, Budapest, Hungary, <sup>3</sup>Biotechnology Division, Regional Research Laboratory, CSIR, Trivandrum, India, <sup>4</sup>Department of Microbiology, Colorado State University, Fort Collins, CO, USA, <sup>5</sup>Sappi SA Technology Centre, Hatfield, South Africa, <sup>6</sup>School of Biological Sciences, Universiti Sains Malaysia, Minden, Penang, Malaysia

12.40 – 13.00 INL-13  
♦Viviána NAGY<sup>1</sup>, Christian P. KUBICEK<sup>2</sup>, Verena SEIDL<sup>2</sup>, Irina DRUZHININA<sup>2</sup>, György SZAKÁCS<sup>1</sup>  
**Increased extracellular chitinase production in solid substrate fermentation by *Trichoderma harzianum* haplotype aa**  
<sup>1</sup>Department of Agricultural Chemical Technology, Budapest University of Technology and Economics, Budapest, Hungary, <sup>2</sup>Division of Applied Biochemistry and Gene Technology, Institute of Chemical Engineering, Technical University of Vienna, Wien, Austria

13.00 – 13.20 INL-14  
♦Áron NÉMETH, Béla SEVELLA  
**New possibilities for the production of the glycerol derivatives with enzymatic bioconversion**  
Department of Agricultural Chemical Technology, Budapest University of Technology and Economics, Budapest, Hungary

13.20 – 13.40 INL-15  
♦Judit M. REZESSY-SZABÓ, Quang D. NGUYEN, Lilla DÜCSŐ, Ágoston HOSCHKE  
**Production and purification of alpha-galactosidases from *Thermomyces lanuginosus***  
Department of Brewing and Distilling, Corvinus University of Budapest, Budapest, Hungary

13.40 – 14.00 INL-16  
♦Katalin PEREI, Árpád NAGY, Szilvia ZSÍROS, Kornél L. KOVÁCS  
**Bioremediation of chlorinated benzene-contaminated soil**  
Department of Biotechnology, University of Szeged, Szeged, Hungary



8.00 – 9.00 Bacteriology, Immunology and Parasitology Posters

BP-1

♦Izabela CHUDZICKA-STRUGALA, Barbara ZWOŹDZIAK, Berta TUKIENDORF, Andrzej SZKARADKIEWICZ

**Adhesiveness and migration of *Escherichia coli* and *Enterococcus faecalis* clinical isolates over Foley catheters**

Department of Medical Microbiology, University of Medical Sciences, Poznań, Poland

BP-2

♦Ágnes CSANÁDI, Lóránd KOVÁCS, Valéria ENDRÉSZ, András MICZÁK

**Comparison of SMPB proteins from intracellular pathogens**

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

BP-3

Valéria ENDRÉSZ<sup>1</sup>, Katalin BURIÁN<sup>1</sup>, Zoltán KIS<sup>1,2</sup>, Katalin ÁCS<sup>1</sup>, Zoltán PROHÁSZKA<sup>3</sup>, György FÜST<sup>3</sup>, Éva GÖNCZÖL<sup>2</sup>

**A follow-up of multiple *Chlamydia pneumoniae* infections in a mouse model**

<sup>1</sup>Department of Medical Microbiology and Immunobiology, University of Szeged, Szeged, Hungary, <sup>2</sup>Béla Johan National Center for Epidemiology, Division of Virology, Budapest, Hungary, <sup>3</sup>Third Department of Internal Medicine, Semmelweis University, Budapest, Hungary

BP-4

Márta E. GULYÁS<sup>1</sup>, Zsuzsanna NÉMETH<sup>1</sup>, ♦Gergely BABIN-SZKY<sup>2</sup>, Péter MAJOR<sup>1</sup>, Miklós RODLER<sup>1</sup>, Gábor CSITÁRI<sup>2</sup>

**Morphological, biochemical and cultural properties of Hungarian *Clostridium botulinum* strains**

<sup>1</sup>Department of Microbiology, National Institute of Food Safety and Nutrition, Budapest, Hungary, <sup>2</sup>Department of Chemistry and Microbiology, Georgikon Faculty of Agriculture, University of Veszprém, Keszthely, Hungary

BP-5

♦Márta E. GULYÁS, Zsuzsanna NÉMETH

**Long-lasting antibiotic resistance in the normal flora following Clindamycine treatment**

Department of Microbiology, National Institute of Food Safety and Nutrition, Budapest, Hungary

BP-6

♦Anna HOSTACKA, Ivan CIZNAR

**Impact of tobramycin on *Acinetobacter* strains**

Research Base of the Slovak Medical University, Bratislava, Slovak Republic

BP-7

♦Monika KERÉNYI<sup>1</sup>, Heather E. ALLISON<sup>2</sup>, Ágnes SONNEVEND<sup>3</sup>, Nóra PLAVECZKY<sup>1</sup>, István BÁTÁI<sup>4</sup>, Levente EMÓDY<sup>1</sup>, Tibor PÁL<sup>1,3</sup>

**Occurrence of *SheA* (*ClyA*) gene in *Escherichia coli* strains**

<sup>1</sup>Department of Medical Microbiology and Immunology, <sup>4</sup>Department of Anesthesiology and Intensive Therapy, Medical School, University of Pécs, Pécs, Hungary, <sup>2</sup>School of Biological Sciences, Division of Microbiology and Genomics, University of Liverpool, BioSciences Building, Liverpool, <sup>3</sup>Department of Medical Microbiology, Faculty of Medicine and Health Sciences, United Arab Emirates University, Al Ain, United Arab Emirates

BP-8

Anja KLANČNIK, Marija KURINČIČ,

♦Sonja SMOLE-MOŽINA

**Morphological transformation of *Campylobacter jejuni* under stress conditions**

Department of Food Science and Technology Biotechnical Faculty, University of Ljubljana, Ljubljana, Slovenia

BP-9

♦Lilla LŐRINCZI, Edit SZÉKELY, Éva KISS, Kinga KOLOZSVÁRI, Gabriela BUCUR, Felicia TOMA

**Detection of urogenital mycoplasmas from healthy children and children with urinary tract infection**

Department of Microbiology, University of Medicine and Pharmacy, Târgu-Mures, Romania

BP-10

♦Rahul MITTAL, Sanjay CHHIBBER, Saroj SHARMA, Kusum HARJAI

**Contribution of quorum sensing molecules to the virulence of *Pseudomonas aeruginosa* in an experimental urinary tract infection model**

Department of Microbiology, BAMS Block, Panjab University, Chandigarh, India

BP-11

Zygmunt MUSZYŃSKI

**Multifunction ion air cleaning technology in microorganism-decontamination**

University of Medical Sciences, Poznań, Poland

BP-12

♦Tomo NAGLIĆ<sup>1</sup>, H. BALL<sup>2</sup>, Branka ŠEOL, D. FINLAY<sup>2</sup>, M. BENIĆ<sup>3</sup>, G. GALIĆ<sup>4</sup>

**The incidence of *Mycoplasma bovis* mastitis in Croatia**

<sup>1</sup>Department of Microbiology and Infectious Diseases, Veterinary Faculty University of Zagreb, Zagreb, Croatia, <sup>2</sup>Veterinary Research Laboratories, Stoney Road, Stormont, Belfast, U.K., <sup>3</sup>Croatian Veterinary Institute, Zagreb, Croatia, <sup>4</sup>Veterinary Clinic Vetam, Osijek, Croatia

BP-13

♦Mihaela OBROVAC<sup>1</sup>, Vera KATALINIĆ-JANKOVIĆ<sup>1</sup>, Magdalena GRCE<sup>2</sup>

**Implementing the multiplex PCR method in determining resistance to isoniazid in *Mycobacterium tuberculosis* strains in Croatia**

<sup>1</sup>Croatian National Institute of Public Health, Zagreb, Croatia, <sup>2</sup>Ruđer Bošković Institute, Zagreb, Croatia

BP-14

♦Dunja PERKOVIC, Visnja KRUZICEVIC, Zeljko BAKLAIC

**Distribution of *Salmonella enteritidis* phage types in Croatia**

Croatian National Institute of Public Health, Zagreb, Croatia

BP-15

♦Judit SZABÓ<sup>1</sup>, Ágoston GHIDÁN<sup>2</sup>, Zsuzsanna DOMBRÁDI<sup>1</sup>, Ágnes TÓTH<sup>1</sup>, Ágnes BORBÉLY<sup>1</sup>, Cecília MISZTI<sup>1</sup>, István ANDIRKÓ<sup>1</sup>, Ferenc ROZGONYI<sup>2</sup>

**Occurrence of vancomycin resistance of enterococci isolated in a Hungarian Teaching Hospital, Debrecen**

<sup>1</sup>Department of Medical Microbiology, Medical Health Science Center, University of Debrecen, Debrecen, Hungary, <sup>2</sup>Institute of Medical Microbiology, Faculty of Medicine, Semmelweis University, Budapest, Hungary

BP-16

♦Judit SZABÓ<sup>2</sup>, József FÖLDI<sup>4</sup>, Anna PÉCSI<sup>3</sup>, Tamás PÉCSI<sup>5</sup>, Margit KULCSÁR<sup>1</sup>, Gyula HUSZENICZA<sup>1</sup>

**Characterization of bacteria isolated from acute puerperal (endo)metritis in dairy cows: evaluation of antibiotic sensitivity by means of MIC**

<sup>1</sup>Department of Obstetrics and Reproduction, Veterinary Faculty, Szent István University, Budapest, Hungary, <sup>2</sup>Department of Microbiology, Medical Faculty, University of Debrecen, Debrecen, Hungary, <sup>3</sup>Department of Animal Physiology and Animal Health, Centre of Agricultural Sciences, University of Debrecen, Debrecen, Hungary, <sup>4</sup>Intervet Hungaria Kft, Budapest, Hungary, <sup>5</sup>BIO-VET Kft, Debrecen, Hungary

BP-17

Györgyi VIRÁG<sup>1</sup>, Katalin FÁBIÁN<sup>2</sup>, Tímea BARNÁ<sup>2</sup>, ♦Gábor KULCSÁR<sup>2</sup>, László MAKRANSZKI<sup>2</sup>

**Investigation of mice pathogenicity of *Pasteurella multocida* strains in order to establish a highly pathogenic challenge strain in rabbits**

<sup>1</sup>Institute for Small Animal Research, Gödöllő, Hungary, <sup>2</sup>Institute for Veterinary Medicinal Products, Budapest, Hungary

BP-18

♦Davor ZAHRADKA, Maja BULJUBAŠIĆ, Ksenija ZAHRADKA, Mirjana PETRANOVIĆ

**Homologous recombination and DNA repair in *Recbc Sbcbc* mutants of *Escherichia coli*: effects of a *Recg* mutation**

Ruđer Bošković Institute, Department of Molecular Biology, Zagreb, Croatia

BP-19

♦Helga SZEDERKÉNYINÉ OZOLI, Lenke SZIKRA

**Irritating dermatitis in humans caused by larvae of a *Trombicula* sp. at Lake Velence**

Microbiology Laboratory of Székesfehérvár, Public Health Laboratory Ltd, Székesfehérvár, Hungary

BP-20

Csilla RÁTKAI

**Isolation and preliminary characterization of carbapenem-resistant, metallo—lactamase producing *Pseudomonas aeruginosa* strains from different hospital wards of South Hungary**

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

**9.00 – 10.00 Environmental and Agricultural Microbiology Posters**

AP-1

♦István NAGY, Stephan NICKELL, Christine KOFLER, Marius BOICU, Wolfgang BAUMEISTER

**Mapping the *Thermoplasma* proteome – structural proteomics studies using free-flow electrophoresis and cryo-electron tomography**

Department of Structural Biology, Max Planck Institute of Biochemistry, Martinsried bei Munchen, Germany

AP-2

♦István NAGY<sup>1</sup>, Na SUN<sup>1</sup>, Florian BECK<sup>1</sup>, Roland KNISPEL<sup>1</sup>, Frank SIEDLER<sup>2</sup>, Beatrix SCHEFFER<sup>2</sup>, Stephan NICKELL<sup>1</sup>, Wolfgang BAUMEISTER<sup>1</sup>

**The cytosolic and macromolecular subproteome of *Thermoplasma acidophilum***

<sup>1</sup>Department of Structural Biology, <sup>2</sup>Department of Membrane Biochemistry, Max-Planck-Institute for Biochemistry, Martinsried bei Munchen, Germany  
AP-3

◆József KUKOLYA<sup>1</sup>, Kristof VRANCKEN<sup>2</sup>, Jozef ANNE<sup>2</sup>, Stijn SPAEPEN<sup>3</sup>, Jos VANDERLEYDEN<sup>3</sup>

**Cloning and purification of thermostable hydrolases of *Thermobifida fusca* strain tm51 by genome mining**

<sup>1</sup>Department of Biochemistry, Faculty of Sciences, University of Debrecen, Debrecen, Hungary, <sup>2</sup>Laboratory of Bacteriology, Rega Institute for Medical Research, Katholieke Universiteit Leuven, Leuven, Belgium, <sup>3</sup>Centre of Microbial and Plant Genetics, Katholieke Universiteit Leuven, Leuven, Belgium  
AP-4

◆Veronika BOHUS, Tamás TAUBER, Erika TÓTH  
**Microbial communities of the sediment of two Hungarian shallow lakes (Hévíz and Balaton) studied by chemotaxonomical methods**

Department of Microbiology, Eötvös Loránd University, Hungary  
AP-5

Klára CZAKÓ-VÉR<sup>1</sup>, Gyula ÁRVAY<sup>2</sup>, Tamás MORSCHHAUSER<sup>1</sup>, Borbála BÍRÓ<sup>3</sup>, József CSICSÁK<sup>4</sup>, Attila BORHIDI<sup>1</sup>

**Soil monitoring of the recultivation of the uranium industrial areas around Pécs**

<sup>1</sup>Institute of Biology, University of Pécs, Pécs, Hungary, <sup>2</sup>Plant Health and Soil Conservation Service, Soil Biology Laboratory, Pécs, Hungary, <sup>3</sup>Research Institute for Soil Science and Agricultural Chemistry of H.A.S., Budapest, Hungary, <sup>4</sup>Mecsek Ore Environmental Company, Pécs, Hungary  
AP-6

◆Árpád CZÉH<sup>1</sup>, Zoltán GAZDAG<sup>1</sup>, Csaba VÉR<sup>2</sup>, Péter RUDOLF<sup>3</sup>, Zoltán KULIK<sup>4</sup>, Károly NAGY<sup>4</sup>, Mónika ÖSS<sup>4</sup>, Krisztina TAKÁCS<sup>1</sup>, Andrea BORSODI<sup>5</sup>, Károly MÁRIALIGETI<sup>5</sup>, Miklós PESTI<sup>1</sup>

**The role of alkaliphilic bacterium species in the compost production enriched with wood ashes**

<sup>1</sup>Department of General and Environmental Microbiology, University of Pécs, Pécs, Hungary, <sup>2</sup>Biokom Ltd, Pécs, Hungary, <sup>3</sup>Pannon Power Co, Pécs, Hungary, <sup>4</sup>Pécsi Vízmű Co, Pécs, Hungary, <sup>5</sup>Department of Microbiology, Eötvös Loránd University, Budapest, Hungary

AP-7

◆Csaba DOBOLYI, Mónika KARABA

**Taxonomical diversity of soil fungi in a calcareous chernozem polluted with microelements**

Faculty of Agricultural and Environmental Sciences, Szent István University, Gödöllő, Hungary

AP-8

◆Lejla DURAKOVIĆ, Frane DELAŠ, Senadin DURAKOVIĆ  
**Inhibition of mould growth and aflatoxin accumulation by food additives**

Laboratory for General Microbiology and Food Microbiology, Faculty of Food Technology and Biotechnology, Zagreb, Croatia

AP-9

◆Róbert GORÁL, Anna SZÉKELY, Károly MÁRIALIGETI  
**Microbial community analysis of activated sludge treating industrial wastewater**

Department of Microbiology, Eötvös Loránd University, Budapest, Hungary  
AP-10

◆Andrea K. BORSODI, Anna RUSZNYÁK, Gitta SZABÓ, Beatrix POLLÁK, Márton PALATINSZKY, Károly MÁRIALIGETI, Erika TÓTH

**Bacterial species diversity in a Kiskunság soda lake (Hungary) evaluated by a polyphasic approach**

Department of Microbiology, Eötvös Loránd University, Budapest, Hungary  
AP-11

◆Károly J. KAFFKA<sup>1</sup>, Zsolt SEREGÉLY<sup>1</sup>, Judit BECZNER<sup>2</sup>, Margit A. KORBÁSZ<sup>2</sup>, Borbála BIRÓ<sup>3</sup>

**Investigation of differently treated soil types by NIR spectroscopy**

<sup>1</sup>Department of Refrigeration and Livestock-Products Technology, Corvinus University of Budapest, Budapest, Hungary, <sup>2</sup>Department of Microbiology, Central Food Research Institute, Budapest, Hungary, <sup>3</sup>Research Institute for Soil Science and Agricultural Chemistry of the Hungarian Academy of Sciences, Budapest, Hungary

AP-12

János KÁTAI

**Microbiological consequences of a mono- or triculture crop-rotation experiment**

Department of Soil Science, Centre of Agricultural Sciences, Faculty of Agriculture, University of Debrecen, Debrecen, Hungary



AP-13

♦István KERESZTÉNYI<sup>1</sup>, György ISAÁK<sup>1</sup>, Csaba DOBOLYI<sup>2</sup>  
**Analysis of fungal populations of a biofilter treating refinery waste gas**

<sup>1</sup>DS Technology and Project Development, MOL Hungarian Oil and Gas Plc., Százhalombatta, Hungary, <sup>2</sup>Faculty of Agricultural and Environmental Sciences, Szent István University, Gödöllő, Hungary

AP-14

♦Ildikó KÁKONYI, Gabriella KISKÓ, Mónika KOVÁCS, Anna MARÁZ

**Cellular distribution of accumulated heavy metals in different yeast species**

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

AP-15

♦Gabriella MÁTHÉ-GÁSPÁR<sup>1</sup>, Péter MÁTHÉ<sup>2</sup>, Attila ANTON<sup>1</sup>

**Change of acid phosphatase activity in a heavy metal polluted soil**

<sup>1</sup>Research Institute for Soil Science and Agricultural Chemistry of the HAS, Budapest, Hungary, <sup>2</sup>Károly Róbert College of Economics and Agriculture, Gyöngyös, Hungary

AP-16

♦Éva MÉSZÁROS<sup>1</sup>, Sára RÉVÉSZ<sup>1</sup>, Csaba ROMSICS<sup>1</sup>, Anikó KENDE<sup>2</sup>, Tamás RIKKER<sup>2</sup>, Károly MÁRIALIGETI<sup>1</sup>

**The analysis of Archaea community in groundwater contaminated by chlorinated aliphatic compounds**

<sup>1</sup>Department of Microbiology, Eötvös Loránd University, Budapest, Hungary, <sup>2</sup>Dr. E. Wessling Chemical Laboratory Ltd., Budapest, Hungary

AP-17

♦Zoltán NAÁR, András SZABÓ

**Application of image analysis of fungal colonies for assessment of effect of heavy metals**

Department of Botany, Eszterházy Károly College, Hungary

AP-18

Ágnes OLÁH ZSUPOSNÉ

**Measurement of biological activity of different soil types**

Department of Soil Science, Debrecen University Centre of Agricultural Sciences, Debrecen, Hungary

AP-19

♦Ines PETRIC<sup>1</sup>, Dubravka HRSAK<sup>1</sup>, Sonja FINGLER<sup>2</sup>  
**Small-scale biodegradation experiment for bioremediation of polychlorinated biphenyl-contaminated soil**

<sup>1</sup>Ruđer Bošković Institute, Center for Marine and Environmental Research, Zagreb, Croatia, <sup>2</sup>Institute for Medical Research and Occupational Health, Zagreb, Croatia

AP-20

Anna RUSZNYÁK, Károly MÁRIALIGETI,

♦Andrea K. BORSODI

**Diversity of reed (*Phragmites australis*) stem biofilm bacterial communities in two Hungarian soda lakes**

Department of Microbiology, Eötvös Loránd University, Budapest, Hungary

AP-21

Enikő SAJBEN<sup>1</sup>, Zsuzsanna ANTAL<sup>2</sup>, András SZEKERES<sup>1</sup>,

♦László MANCZINGER<sup>1</sup>, Csaba VÁGVÖLGYI<sup>1</sup>

**Identification and characterization of *Pseudomonas* strains isolated from deformed fruit bodies of *Pleurotus ostreatus***

<sup>1</sup>Department of Microbiology, University of Szeged, <sup>2</sup>Microbiological Research Group, Hungarian Academy of Sciences and University of Szeged, Szeged, Hungary

AP-22

Zsolt SÁNDOR<sup>1</sup>, János KÁTAI<sup>2</sup>

**The effect of herbicides used in maize cultures on soil microbes and their activity**

Department of Soil Science, Faculty of Agriculture, University of Debrecen, Debrecen, Hungary

AP-23

♦Gitta SZABÓ<sup>1,3</sup>, Károly MÁRIALIGETI<sup>1</sup>, István TÁTRAI<sup>2</sup>, György DÉVAI<sup>3</sup>, Andrea K. BORSODI<sup>1</sup>

**Bacterial species with phosphatase activity and/or polyphosphate reserve in three Hungarian shallow lakes**

<sup>1</sup>Department of Microbiology, Eötvös Loránd University, Budapest, Hungary, <sup>2</sup>Balaton Limnological Research Institute, Hungarian Academy of Sciences, Tihany, Hungary, <sup>3</sup>Department of Hydrobiology, University of Debrecen, Debrecen, Hungary

AP-24

♦András SZEKERES<sup>1</sup>, László KREDICS<sup>2</sup>, Zsuzsanna ANTAL<sup>2</sup>, Lóránt HATVANI<sup>1</sup>, László MANCZINGER<sup>1</sup>, Csaba VÁGVÖLGYI<sup>1</sup>

**Genetic diversity of *Trichoderma* strains isolated from winter wheat rhizosphere in Hungary**

<sup>1</sup>Department of Microbiology, <sup>2</sup>Microbiological Research Group, Hungarian Academy of Sciences and University of Szeged, Szeged, Hungary  
AP-25

♦András SZEKERES<sup>1</sup>, Balázs LEITGEB<sup>2</sup>, László KREDICS<sup>3</sup>, Zsuzsanna ANTAL<sup>3</sup>, Lóránt HATVANI<sup>1</sup>, László MANCZINGER<sup>1</sup>, Csaba VÁGVÖLGYI<sup>1</sup>

**Relationship between taxonomic positions and biocontrol properties of *Trichoderma* isolates from Hungary**

<sup>1</sup>Department of Microbiology, University of Szeged, Szeged, Hungary, <sup>2</sup>Institute of Biophysics, Biological Research Center of the Hungarian Academy of Sciences, Szeged, Hungary, <sup>3</sup>Microbiological Research Group, Hungarian Academy of Sciences and University of Szeged, Szeged, Hungary  
AP-26

♦Endre SZŰCS<sup>1</sup>, Ildikó BALLA<sup>1</sup>, Zoltán KIRILLA<sup>1</sup>, Tünde TAKÁCS<sup>2</sup>, Ibolya VÖRÖS<sup>2</sup>

**Utilization of AM fungi in counterbalancing the soil sickness of fruit trees**

<sup>1</sup>Research Institute for Fruitgrowing and Ornamentals, Budapest, Budapest, Hungary, <sup>2</sup>Research Institute for Soil Science and Agricultural Chemistry, Hungarian Academy of Sciences, Budapest, Hungary  
AP-27

♦Tünde TAKÁCS, Ibolya VÖRÖS, Ibolya BIRÓ, Attila ANTON

**Application of AMF strains for enhancement of efficiency bioremediation of heavy metal contaminated soil**

Research Institute for Soil Science and Agricultural Chemistry, Budapest, Hungary  
AP-28

♦András TÁNCICS, Sára RÉVÉSZ, Éva MÉSZÁROS, Csaba ROMSICS, Károly MÁRIALIGETI

**Bacterial community changes at TCE biodegradation by TRFLP**

Department of Microbiology, Eötvös Loránd University, Budapest, Hungary  
AP-29

♦Márta D. TÓTH<sup>1</sup>, Judit L. HALÁSZ<sup>1</sup>, Sándor BALÁZSY<sup>1</sup>, Rene ROHR<sup>2</sup>

**The metal content and the microorganisms on the phyllosphere of ragweed plants (*Ambrosia elatior* L.) in ruderal environments**

<sup>1</sup>Department of Botany, College Faculty of Science, College of Nyíregyháza, Nyíregyháza, Hungary, <sup>2</sup>Université Claude Bernard Lyon, <sup>1</sup>Ecologie Microbienne, Lyon, France

AP-30

♦Erika TÓTH, Zalán HOMONNAY, Zsuzsa KÉKI, Tamás TAUBER

**Culturable bacterial partners of two Crustacean species: *Daphnia cucullata* and *Eudiaptomus gracilis***

Department of Microbiology, Eötvös Loránd University, Budapest, Hungary  
AP-31

♦Balázs VAJNA, Károly MÁRIALIGETI

**Determining dry matter content of phase II *Agaricus bisporus* compost by NIR-technique, as an example of characterizing the quality of mushroom compost**

Department of Microbiology, Eötvös Loránd University, Budapest, Hungary  
AP-32

♦József SZARVAS<sup>1</sup>, Diána KLIEGL<sup>1</sup>, Andrea POMÁZI<sup>2</sup>, Anna MARÁZ<sup>2</sup>, Erzsébet SZŰCS<sup>3</sup>, Csaba HAJDÚ<sup>1,4</sup>

**Special characteristic „Egri leányka” white wine production by habitat-specific yeasts**

<sup>1</sup>Strain Research and Molecular Biological Laboratory, Quality Champignons Ltd, Demjén, Hungary, <sup>2</sup>Department of Microbiology and Biotechnology, Budapest Corvinus University, Budapest, Hungary, <sup>3</sup>Research Institute for Viticulture and Enology, Hungary, <sup>4</sup>Vegetable and Mushroom Growing Department, Faculty of Horticultural Sciences, Budapest Corvinus University, Budapest, Hungary

AP-33

Csilla SIPEKY<sup>1</sup>, Gyula ÁRVAY<sup>2</sup>, ♦Klára CZAKÓ-VÉR<sup>1</sup>

**The effects of copper, nickel and lead contaminants on phosphatase and dehydrogenase enzyme activities of soil with different genetic types**

<sup>1</sup>Department of General and Environmental Microbiology, University of Pécs, Pécs, Hungary, <sup>2</sup> Soil Biology Laboratory, Plant Health and Soil Conservation Service, Pécs, Hungary

AP-34

♦Viktória VÁGÁNY, Anna RUSZNYÁK, Károly MÁRIALIGETI, Andrea K. BORSODI

**Investigations on the sediment bacterial communities in Lake Hévíz using cultivation-based and cultivation independent molecular methods**

Department of Microbiology, Eötvös Loránd University, Budapest, Hungary

AP-35

Kata TERECSKEI<sup>1</sup>, Zsuzsanna ANTAL<sup>2</sup>, András SZEKERES<sup>1</sup>,  
László KREDICS<sup>2</sup>, ♦László MANCZINGER<sup>1</sup>, Csaba  
VÁGVÖLGYI<sup>1</sup>

**Purification and characterization of a cold-adapted protease  
from *Trichoderma atroviride***

<sup>1</sup>Department of Microbiology, Faculty of Sciences, University of Szeged,

<sup>2</sup>Microbiological Research Group, Hungarian Academy of Sciences and  
University of Szeged, Szeged, Hungary

AP-36

♦Marianne SZABÓ, Erzsébet KRAUSZ, Gyula LAKATOS

**Assessment of the usefulness of ETS activity in ecological  
monitoring in the EU Water Framework Directive in Hungary**

Department of Applied Ecology, University of Debrecen, Debrecen, Hungary

AP-37

Tibor SZILI-KOVÁCS

**Response of the willow (*Salix sp.*) and the maize rhizosphere  
soil to the metal pollution**

Research Institute for Soil Science and Agriculture, HAS, Budapest, Hungary

AP-38

Dorota GORNIK

**An improved method for identification of virioplankton in  
reservoirs**

University of Warmia and Mazury, Olsztyn, Poland

**10.30 – 11.30 Food Microbiology Posters**

AP-39

♦Réka ÁGOSTON<sup>1</sup>, Csilla MOHÁCSI-FARKAS<sup>1</sup>, Gabriella  
KISKÓ<sup>1</sup>, István DALMADI<sup>2</sup>

**Effects of combined treatments of MAP and irradiation on  
alfalfa sprouts**

<sup>1</sup>Department of Microbiology and Biotechnology, Corvinus University of  
Budapest, Budapest, Hungary, <sup>2</sup>Department of Refrigeration and Livestock  
Products Technology, Corvinus University of Budapest, Budapest, Hungary

AP-40

♦Ágnes BELÁK, Anna MARÁZ

**Molecular detection of *E. coli* O157:H7 in carrot juice  
fermented with *Bifidobacterium bifidum***

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

AP-41

♦József FARKAS<sup>1,2</sup>, Éva ANDRÁSSY<sup>1,2</sup>, Judit BECZNER<sup>1</sup>,  
Katalin POLYÁK-FEHÉR<sup>1</sup>, Csilla MOHÁCSI-FARKAS<sup>3</sup>

**Comparing observed growth of selected test organisms in  
food irradiation studies with growth predictions calculated  
by Combase software**

<sup>1</sup>Central Food Research Institute, Budapest, Hungary, <sup>2</sup>Department of  
Refrigeration and Livestock Products' Technology, <sup>3</sup>Department of  
Microbiology and Biotechnology, Corvinus University of Budapest, Budapest,  
Hungary

AP-42

♦Santos GARCIA, Norma HEREDIA, Perla YBARRA,  
Carlos HERNANDEZ

**Induction of heat tolerance in *Clostridium perfringens* by  
extracellular compounds**

Departamento de Microbiología e Inmunología, Facultad de Ciencias Biológicas,  
Universidad Autónoma de Nuevo León, San Nicolás, Mexico

AP-43

♦Norma HEREDIA, Santos GARCIA, Luisa SOLIS, Julio  
LIMON

**Influence of G.R.A.S. substances on the acquisition of cold  
tolerance in *Clostridium perfringens***

Departamento Microbiología e Inmunología, Facultad de Ciencias Biológicas,  
Universidad A. de Nuevo León, San Nicolás, Mexico

AP-44

♦Mariann JUHÁSZ-ROMÁN<sup>1</sup>, Zsuzsa VARGA<sup>2</sup>

**Synbiotic kefir based on lactose hydrolysed milk,  
supplemented with juice of *Helianthus tuberosum***

<sup>1</sup>Department of Microbiology and Biotechnology, Faculty of Food Sciences,  
Corvinus University of Budapest, Budapest, Hungary, <sup>2</sup>Department of Dietetics,  
College for Health Sciences, Semmelweis University, Budapest, Hungary

AP-45

♦Margit A. KORBÁSZ, Ildikó BATA-VIDÁCS,  
Judit BECZNER

**Microbial contamination of vegetables and fruits grown in  
home gardens**

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

AP-46

♦Lidija KOZAČINSKI, Mirza HADŽIOSMANOVIĆ,  
Nevijo ZDOLEC, Željka CVRILA

**Microbial changes during the ripening of Croatian naturally fermented sausage**

Department of Food Hygiene and Technology of Foodstuffs of Animal Origin,  
Veterinary Faculty, University of Zagreb, Zagreb, Croatia

AP-47

♦Katalin KŐHEGYI-SZÁNTAI<sup>1</sup>, Judit TORNAI LEHOCZKI<sup>2</sup>

**Comparison of the microbial community of air-cured and flue-cured Burley tobaccos**

<sup>1</sup>Department of Grain and Industrial Plant Technology, <sup>2</sup>National Collection of Agricultural and Industrial Microorganisms, Corvinus University of Budapest, Budapest, Hungary

AP-48

♦Ildikó SZEDLJAK<sup>1</sup>, Mariann JUHÁSZ-ROMÁN<sup>2</sup>, Katalin KŐHEGYI SZÁNTAI<sup>1</sup>, Zsuzsanna TAR<sup>1</sup>, Tímea NAGY<sup>1</sup>

**Microbiological features and comparison of different types of tobaccos during fermentation**

<sup>1</sup>Department of Grain and Industrial Plant Technology, <sup>2</sup>Department of Microbiology and Biotechnology, Faculty of Food Science, Corvinus University of Budapest, Budapest

AP-49

♦Krisztina SZEKÉR<sup>1</sup>, Edina CSIBRIK-NÉMETH<sup>2</sup>, Szilárd KUN<sup>3</sup>, Judit BECZNER<sup>1</sup>, Péter GÁLFI<sup>4</sup>

**Adhesion of lactic acid bacteria to CaCo-2h cells – possibilities for detection**

<sup>1</sup>Department of Microbiology, <sup>2</sup>Department of Biology, Central Food Research Institute, Budapest, Hungary, <sup>3</sup>Department of Brewing and Distilling, Corvinus University Budapest, Budapest, Hungary, <sup>4</sup>Department of Physiology and Biochemistry, Szent István University, Budapest, Hungary



## General Informations

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### 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 25.	16.00 – 21.30
Wednesday,	October 26.	7.00 – 17.00
Thursday,	October 27.	8.00 – 13.00
Friday	October 28.	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 CEFORM, 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 CEFORM Programme with any last-minute changes will be available at the Registration desk, and on the doors of the lecture halls.

### Congress Venue

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

### Accommodation

Accommodation of participants is either in Hotel Helikon, or in Hotel Kristály (Lovassy u. 20., 8360 Keszthely) and Hotel Hullám (Balatonpart 1., 8360 Keszthely)

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

### Presentations

- ♦ Presentations will be held in the lecture halls of Hotel Helikon. The official language of CEFORM is English (including all talks and posters). *Posters and figures of talks of the Annual Meeting of the Hungarian Society for Microbiology will also be in English* and CEFORM participants will have an opportunity to take part in discussion.
- ♦ Speakers (excepting invited, and introductory lectures) will have 10-15 minutes, which include questions and discussion. The time limit will be as strictly enforced as possible. Standard audiovisual equipment provided will include a video projector & computer, a slide projector (50 by 50 mm slides) and an overhead projector. Please indicate your special needs (e.g. dual projecting) 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 audiovisual 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 25 afternoon, but not later than October 26 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).
- ♦ There will be an award for the 2 most outstanding student posters. The awards will be based on the quality of content of the contribution and on the quality of the presentation (layout etc.). Please find a poster competition form in your Congress Bag and drop it in the appropriate box at the Registration Desk not later than October 27, Thursday noon. The poster awards will be announced at starting of the sessions on October 28. The 2 winning poster presenters will get a traditional Hungarian speciality.

### CEFORM Proceedings

The CEFORM 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 journals

### **Acta Microbiologica et Immunologica Hungarica**

or in the

### **Food Technology and Biotechnology**

### 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. Exhibitors will have their stands in the foyer of the Hotel and in the lobby of the lecture halls.

### Meals and Banquet

◆ *Breakfasts to all guests will be served in the hotel, where they have their accommodation. All other meals (lunch, dinner) and the 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.*

### Cultural Programs

◆ *Excursion to Sümeg.* One of the most important historical values of the Keszthely area is the medieval (royal) castle of Sümeg built in the XIIIth century, together with the small town of Sümeg adorned by its baroque church treasures. The glowing colours and ecstatic composition of frescos are masterpieces of A. Maulbertsch. The evening will be closed by a chevalier's tournament in the castle followed by a dinner served with wines of the Balaton region. Music of the period will also be played. The excursion will start on Thursday (October 27) at 15.00. Buses will wait for the participants in front of Hotel Helikon.

◆ *Sightseeing Tour on Foot in Keszthely* will start on Thursday (October 27) at 14.30 to interested participants of CEFORM. Keszthely is called the Capital of the Lake Balaton since it has been a city from the early middle age. Attendants will get an introduction to the history, and the architectural, etc. treasures of the city.

◆ The organisers of the CEFORM take the opportunity to draw your attention to the world famous health spa of Hévíz, close to Keszthely. The small, picturesque town of Hévíz is one of Europe's major spas.

### Emergencies

In case of emergency or if you need medical help during CEFORM hours, please contact the Registration Desk. Outside the CEFORM 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 end 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 CEFORM 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.

