

1st Central European Forum for Microbiology (CEFARM)
and the
Annual Meeting of the Hungarian Society for Microbiology

PROGRAMME

Hotel Helikon, Keszthely, Hungary
October 26-28, 2005

PROGRAMME

of the

1st Central European Forum for Microbiology (CEFARM)

and the

Annual Meeting of the Hungarian Society for Microbiology

Jointly organized by the

Microbiological Society of Croatia

and the

Hungarian Society for Microbiology

Hotel Helikon, Keszthely, Hungary

October 26-28, 2005

Programme at a glance

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	Manninger 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	CEFOM 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 Raus Memorial Session
	Room No. 3.	
	8.00 – 10.10	Mycology Session I.
	10.30 – 12.00	50 th 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

Wednesday, October 26

Conference Hall

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- 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
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11.00 – 12.30 Manninger Memorial Session

Chairpersons: Ljiljana PINTER and János MINÁROVITS

Manninger Lecture

- 11.00 – 11.30 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
Inaugural Lecture by Honorary Member of the Hungarian Society for Microbiology
- 11.30 – 12.00 Eva KLEIN
Epstein-Barr Virus - B lymphocyte interactions
Microbiology and Tumor Biology Center (MTC), Karolinska Institute, Stockholm, Sweden
Keynote lecture
- 12.00 – 12.30 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: Christian P. KUBICEK and Kornél L. KOVÁCS

- 14.00 – 14.30 Jaroslav SPIZEK¹, Jitka NOVOTNA¹, Ales HONZATKO¹, Petr BEDNAR²,
Jana OLISOVSKA¹, Jan KOPECKY¹, Jiri JANATA¹
The initial steps in lincomycin biosynthesis
¹Institute of Microbiology, Academy of Sciences of the Czech Republic, Prague, Czech Republic, ²Faculty of Science, Palacky University, Olomouc, Czech Republic
- 14.30 – 15.00 Christian P. KUBICEK
Trichoderma: a versatile industrial fungus goes genomic
Department of Chemical Engineering, Research Area Gene Technology and Applied Biochemistry, TU Wien, Wien, Austria
- 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 BOŠNJAK¹, Anita BAGO JOKSOVIĆ², Jasenka PIGAC³

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

¹Croatian Academy of Engineering, Zagreb, ²PLIVA-Research & Development, Zagreb; ³Rudjer Bošković Institute, Zagreb, Croatia

17.00 – 17.30 Sándor BÍRÓ

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

CEFARM 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 NILLER¹, Dániel SALAMON², Anita KOROKNAI², Ferenc BÁNÁTI², György FEJÉR³, Ildikó GYÓRY³, Fritz SCHWARZMANN¹, Hans WOLF¹, János MINÁROVITS²

The locus control region of Epstein-Barr virus

¹Institute for Medical Microbiology, University of Regensburg, Research Center, Regensburg, Germany;

²Microbiological Research Group, National Center for Epidemiology, Budapest, Hungary; ³Max Planck Institute for Immunobiology, Freiburg, Germany

14.20 – 14.40 **VL-2**

Július RAJČÁNI¹, Jela MISTRÍKOVÁ², Marcela KÚDELOVÁ¹

Murid herpesvirus 4 (MuHV 4) as animal model for human lymphotropic gammaherpesvirus infections

¹Institute of Virology, Slovak Academy of Sciences, Bratislava, Slovak Republic; ²Chair 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 (TGFB-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, Nagyvárad tér 4, H-1082 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 VERESS¹, Ágnes BORBÉLY¹, Melinda MURVAI², József KÓNYA¹, Lajos GERGELY^{1,2}

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

¹Department of Medical Microbiology; ²Tumorvirus 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^{1,2}, Jelka GABRILOVAC³, Jennifer RICHARDSON²,
Marc ELOIT², Andreja AMBRIOVIĆ-RISTOV¹
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
¹Laboratory for Genotoxic Agents, Division of Molecular Biology, Ruđer Bošković Institute, Zagreb, Croatia; ²UMR 1161 Virologie INRA-AFSSA-ENVA, Ecole Nationale Vétérinaire, Maisons Alfort Cedex, France; ³Laboratory of Experimental Haematology, Immunology and Oncology, Division of Molecular Medicine, Ruđer Bošković Institute, Zagreb, Croatia
- 16.50 – 17.00 **VL-8**
Bratko FILIPIĆ¹, Sándor TÓTH², Srećko SLADOLJEV³, Ferenc SOMOGYVÁRI⁴, Srećko KOREN¹
The biological assays of interferons
¹Institute of Microbiology and Immunology, Medical Faculty, Ljubljana, Slovenia; ²Blood Transfusion Unit, Békés County Hospital, Orosháza, Hungary; ³Institute of Immunology - Zagreb, Zagreb, Croatia; ⁴Institute of Clinical Microbiology, Medical Faculty, University of Szeged, Szeged, Hungary
- 17.00 – 17.10 **VL-9**
Ferenc BÁNÁTI¹, Anita KOROKNAI¹, György FEJÉR⁴, Mária TAKÁCS²,
Dániel SALAMON¹, Hans Helmut NILLER³, János MINÁROVITS¹
Epigenotypes of *Eber 1* and *2* genes of Epstein-Barr Virus in lymphoid and nasopharyngeal carcinoma cell lines
¹Microbiological Research Group, National Center for Epidemiology, Budapest, Hungary; ²Division of Virology, National Center for Epidemiology, Budapest, Hungary; ³Institut für Medizinische Mikrobiologie und Hygiene, Regensburg, Germany; ⁴Max-Planck-Institute for Immunobiology, Freiburg, Germany
- 17.10 – 17.20 **VL-10**
Borbála GERLE¹, Anita KOROKNAI¹, Ferenc BÁNÁTI¹, György FEJÉR²,
Ildikó GYÖRY², Dániel SALAMON¹, János MINÁROVITS¹
Analysis of histone h3 and h4 acetylation and histone h3-k4 methylation at the latent EBV promoter *LMP2A*
¹Microbiological Research Group, National Center for Epidemiology, Budapest, Hungary; ²Max-Planck-Institute for Immunobiology, Freiburg, Germany

Thursday, October 27

Room No. 1.

8.30 – 9.40 Virology Session I. – Lectures

Chairpersons: Vladimir SAVIĆ and Balázs HARRACH

8.30 – 8.50

VL-11

Vladimir SAVIĆ¹, William L. RAGLAND², Renata NOVAK², Katja ESTER²

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

¹Croatian Veterinary Institute, Poultry Centre, Zagreb, Croatia; ²Institut Ruder Bošković, Division of Molecular Medicine, Zagreb, Croatia

8.50 – 9.00

VL-12

Anita SCHAMBERGER¹, Andrea SZENDRŐI³, Gergely TEKES¹, Miklós RUSVAI²

Genetic background of the differences in the species specificity of bovine adenovirus subtype a and subtype b

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

9.00 – 9.10

VL-13

Petra FORGÁCH¹, Alina PALADE², Zsuzsa TAPASZTI¹, Tamás BAKONYI¹, Miklós RUSVAI²

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

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

9.10 – 9.20

VL-14

Zoltán DEMETER¹, Petra FORGÁCH², Zsuzsa TAPASZTI², Miklós RUSVAI¹

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

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

9.20 – 9.30

VL-15

Csaba KÖVÁGÓ¹, Tamás BAKONYI¹, Miklós RUSVAI²

Genomic investigation of an unknown honey bee (*Apis mellifera* L.) virus found in Hungary

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

9.30 – 9.40

VL-16

Alíz CZEGLÉDI¹, Dorina UJVÁRI¹, Eszter SOMOGYI¹, Enikő WEHMANN¹, Ortrud WERNER², Béla LOMNICZI¹

Third genome size category of avian paramyxovirus serotype 1 (Newcastle Disease Virus) and evolutionary implications

¹Veterinary Medical Research Institute of the Hungarian Academy of Sciences, Budapest, Hungary; ²Institute of Diagnostic Virology, Friedrich-Loeffler-Institutes, Federal Research Centre for Virus Diseases of Animals, Greifswald, Germany

11.00 – 12.00 Virology Session II. - Lectures

Chairpersons: Julius RAJČÁNI and József KÓNYA

- 11.00 – 11.10 **VL-17**
Judith DEÁK¹, Zoltán KOZINSZKY², Attila PÁL², Tibor NYÁRI³, János ZÁDORI⁴, Jennifer S. SMITH⁵
Determination of HSV seroprevalence in different South-Hungarian population groups
¹Department of Clinical Microbiology; ²Department of Obstetrics/Gynecology; ³Department of Medical Informatics; ⁴Kaáli Institute, University of Szeged, Szeged, Hungary, ⁵University of North Carolina, Chapel Hill, NC, USA
- 11.10 – 11.30 **VL-18**
József ONGRÁDI^{1,2}, Melinda SZILÁGYI¹, Valéria KÖVESDI^{1,2}, Enikő SONKOLY³
Alteration of cytokine pattern in Cd4 T lymphocytes by human herpesvirus 6b infection
¹National Institute of Dermato-Venereology; ²Department of Public Health, Semmelweis University, Budapest, Hungary; ³Department of Dermatology and Allergology, University of Szeged, Szeged, Hungary
- 11.30 – 11.40 **VL-19**
Eszter CSOMA¹, Zoltán BECK¹, Tamás DELI², József KÓNYA¹, Lajos GERGELY¹
Human herpesvirus 6a (HHV-6a) suppresses human immuno-deficiency virus (HIV) replication in human macrophages
¹Department of Medical Microbiology; ²Department of Physiology, University of Debrecen, Debrecen, Hungary
- 11.40 – 11.50 **VL-20**
Anita KOROKNAI¹, Fritz SCHWARZMANN², Hans Helmut NILLER², János MINÁROVITS¹
Mapping of DNase I hypersensitive sites (hs) in the putative locus control region of latent Epstein-Barr Virus genomes
¹Microbiological Research Group, National Centre for Epidemiology, Budapest, Hungary; ²Institute for Medical Microbiology and Hygiene, University of Regensburg, Regensburg, Germany
- 11.50 – 12.00 **VL-21**
Ágnes Anikó BORBÉLY¹, Melinda MURVAI², Lajos GERGELY^{1,2}, György VERESS¹
Relationship between survivin promoter polymorphism and human papillomavirus associated cervical carcinoma
¹Department of Medical Microbiology, Medical and Health Science Centre, University of Debrecen, Debrecen, Hungary, ²Research Group for Tumovirus, Hungarian Academy of Sciences, Debrecen, Hungary

Thursday, October 27

Room No. 2.

8.30 – 12.45 Károly Rauss Memorial Session

Chairpersons: Levente EMŐDY and Maja ABRAM

8.30 – 8.40

Levente EMŐDY

Introduction – In commemoration of Professor Károly Rauss

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

8.40 – 9.05

BL-1

Tibor PÁL^{1,2}, Ágnes SONNEVEND^{1,2}, Khawla AL-DHAHERI²

Low rate carriage of enterovirulent *Escherichia coli*

¹Department of Medical Microbiology, University of Pécs, Hungary; ²Department of Medical Microbiology, University of UAE, Al Ain, UAE

9.05 – 9.25

BL-2

Gábor NAGY¹, Vittoria DANINO², Ulrich DOBRINDT³, Levente EMŐDY¹, Jay C. HINTON², Jörg HACKER³

The deep-rough LPS phenotype exhibited by rfah mutants of *Salmonella enterica* results in downregulation of *spi-1* and *spi-4* genes

¹Department of Medical Microbiology and Immunology, University of Pécs, Pécs, Hungary; ²Institute of Food Research, Norwich Research Park, Colney, Norwich, UK; ³Institute of Molecular Biology of Infectious Diseases, University of Würzburg, Würzburg, Germany

9.25 – 9.40

BL-3

Orsolya BENEDEK, Gábor NAGY, Levente EMŐDY

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-MIHALJEVIC¹, Maja SIKIC², Sonja SMOLE-MOZINA², Maja ABRAM¹

Adhesion and invasion properties of *Campylobacter jejuni* in Caco-2 cells

¹Department of Microbiology, Medical Faculty, University of Rijeka, Rijeka, Croatia; ²Department of Food Science and Technology, Biotechnical Faculty, University of Ljubljana, Ljubljana, Slovenia

9.55 – 10.10

BL-5

Marina SANTIC¹, Snake JONES², Rex ASARE², Maelle MOLMERET², Alaeddin ABUZANT², Yousef ABU KWAIK², Miljenko DORIC¹

Intracellular trafficking of *Legionella pneumophila*

¹Department of Microbiology, University of Rijeka, Medical Faculty, Rijeka, Croatia; ²Department of Microbiology and Immunology, University of Louisville, College of Medicine, Louisville, KY, USA

10.10 – 10.30

BL-6

György SCHNEIDER^{1,2}, Ulrich DOBRINDT², Barbara MIDDENDORF², Bianca HOCHHUT², Levente EMŐDY¹, Jörg HACKER²

Mobilisation and remobilisation of a complete pathogenicity island of the uropathogenic *Escherichia coli* strain 536 by conjugal transfer

¹Institute of Medical Microbiology and Immunology, University of Pécs, Pécs, Hungary; ²Institut für Molekulare Infektionsbiologie, Universität Würzburg, Germany

10.30 – 10.45

BL-7

Zoltán TIGYI, Levente EMŐDY

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 KUSTOS¹, Valéria GAÁL², Ferenc KILÁR³, Barnabás ÁCS⁴, Béla KOCSIS¹

Effect of antibiotic treatment on bacterial adherence to acrylic intraocular lenses

¹Department of Medical Microbiology and Immunology; ²Department of Ophthalmology; ³Institute of Bioanalysis, Faculty of Medicine, University of Pécs, Pécs, Hungary; ⁴Department of Statistics and Demography, Faculty of Economics, University of Pécs, Pécs, Hungary

11.00 – 11.45 *Coffee break*

Chairpersons: Miklós FÜZI and Gordana MARAVIĆ

11.45 – 12.05

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

12.05 – 12.25

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

12.25 – 12.40

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

12.40 – 12.55

BL-12

Noémi NÓGRÁDY¹, Ákos TÓTH², Judit PÁSZTI¹, Miklós FÜZI²

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

¹Phage-typing and Molecular Epidemiology Department; ²Department of Bacteriology, 'Johan Béla' National Center for Epidemiology, Budapest, Hungary

12.44 – 12.10

BL-13

József FÖLDI⁴, Anna PÉCSI³, Tamás PÉCSI⁵, Judit SZABÓ², Margit KULCSÁR¹, Gyula HUSZENICZA¹

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

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

12.10 – 12.30

BL-14

Béla Pál BÓZSIK

Telling the truth: my experiences with Lyme borreliosis

Lyme Borreliosis Foundation, Budapest, Hungary

12.30 – 12.45

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 CSOMA¹, Mátyás SIPICZKI²

Taxonomic identification of yeasts colonising grapes during noble rotting in Tokaj

¹Department of Genetics; ²Research Group of Microbial Developmental Genetics, University of Debrecen, Debrecen, Hungary

9.30 – 9.50

ML-5

Lóránt HATVANI¹, László KREDICS², András SZEKERES¹, Zsuzsanna ANTAL², László MANCZINGER¹, Csaba VÁGVÖLGYI¹

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

¹Department of Microbiology, Faculty of Sciences; ²Microbiological Research Group, Hungarian Academy of Sciences and University of Szeged, Szeged, Hungary

9.50 – 10.10

ML-6

Gábor M. KOVÁCS¹, Tímea BALÁZS¹, Zsolt PÉNZES²

Study of the diversity of arbuscular mycorrhizal fungi – unique lineages or only the lack of information?

¹Department of Plant Anatomy, Eötvös Loránd University, Budapest, Hungary; ²Institute of Genetics, Biological Research Center, Hungarian Academy of Sciences, Szeged, Hungary

10.10 – 10.30

Coffee break

10.30 – 12.00 50th Anniversary of Foundation of the Mycological Department at "Johan Béla" National Center for Epidemiology – Lecture Session

Chairpersons: Anna MARÁZ and Mátyás 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 NAGY¹, H. ASHOUR EMAN², Ervin Károly NOVÁK¹

Comparative study of toxic heavy metal ion tolerance and accumulation by fungi

¹Mycological Department, „Johan Béla” National Center for Epidemiology, Budapest, Hungary; ²Microbiology 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 rhizobiological colonisation in stressed 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

Mycorrhizal 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^{1,4}, Éva KÁRPÁTI², Ilona DUSHA³, Borbála BIRÓ¹

Survival of associative and symbiotic nitrogen fixing bacteria in different inoculation methods

¹Laboratory of Rhizobiology, Research Institute for Soil Science and Agricultural Chemistry of the Hungarian Academy of Sciences, Budapest, Hungary; ²Agricultural and Biotechnological Research Centrum, Gödöllő, Hungary; ³Biological Research Centre, Hungarian Academy of Sciences, Szeged, Hungary; ⁴BIO-deTECH Ltd, Érd, Hungary

8.50 – 9.00

AL-5

Ilona VILLÁNYI¹, Anna FÜZY¹, Zoltán NAÁR², Borbála BIRÓ¹, Károly MÁRIALIGETI³

Which microbiological parameters can be different in the rhizosphere of the gene-modified bt corn?

¹Laboratory of Rhizobiology, Research Institute for Soil Science and Agricultural Chemistry of the Hungarian Academy of Sciences, Budapest, Hungary; ²Department of Botany, Eszterházy Károly College, Eger, ³Department of Microbiology, Eötvös Loránd University, Budapest, Hungary.

9.00 – 9.10

AL-6

Lucille JOCTEUR MONROZIER¹, Hamdy EL ZAMRANY^{1,3}, Franck POLY¹, Jean-Luc CHOTTE², Rene BALLY¹

Tools for the assessment of free nitrogen fixer communities and their activity in the rhizosphere of gramineae

¹CNRS UMR5557 Ecologie Microbienne, Université Claude Bernard Lyon1, ²IRD IBIS Centre de Bel Air, Dakar, Sénégal; ³University 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 HEGEDŰS¹, Borbála BIRÓ², Hosam E.A.F. BAYOUMI³, Mihály KECSKÉS³

***Pseudomonas* inoculation for improving the flower quality of gerbera (*Gerbera jamesonii*)**

¹Department of Technology, Juhász Gyula Teachers' College, University of Szeged, Szeged, Hungary; ²Research

Institute for Soil Science and Agricultural Chemistry of the Hungarian Academy of Sciences, Budapest, Hungary;
³Environmental Microbiology PhD School, Szent István University, Gödöllő Hungary.

9.30 – 9.40

AL-9

Marcell NIKOLAUSZ¹, Uwe KAPPELMEYER¹, Anna SZÉKELY², Károly MÁRIALIGETI², Matthias KÄSTNER¹

Influence of diurnal redox fluctuation on microbial activity dynamics in the rhizosphere

¹Department of Bioremediation, UFZ Centre for Environmental Research Leipzig-Halle, Leipzig, Germany;

²Department 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)

¹Department 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 JOZWIAK¹, Olivér REICHART¹, Katalin SZAKMÁR²

Redox potential measurement as a rapid method for heat destruction experiments of *Campylobacter jejuni*

¹Department of Food Hygiene, Faculty of Veterinary Science, Szent István University, Budapest, Hungary;

²National Food Investigation Institute, Budapest, Hungary

11.20 – 11.30

AL-16

Katalin SZAKMÁR¹, Olivér REICHART², Ákos JOZWIAK²

Microbiological inspection of mineral water by redox-potential measurement

¹National Food Investigation Institute, Budapest, Hungary; ²Department of Food Hygiene, Faculty of Veterinary Science, Szent István University, Budapest, Hungary

11.20 – 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 MÁRIALIGETI¹, Anna SZÉKELY¹, Sándor RÉVÉSZ², Judit
MAKK¹, István F. KISS³

Nucleic acids quantification based molecular assay of the survival of bacteria during minimal processing in beef model

¹Department of Microbiology, Eötvös L. University, Budapest, Hungary; ²Department of Measurement and Information Systems, Faculty of Electrical Engineering and Informatics, Budapest University of Technology and Economics, Budapest, Hungary; ³Department of Meat and Refrigeration Technology, Faculty of Food Science, Corvinus University of Budapest, Budapest, Hungary

12.00 – 12.10

AL-20

Ildikó BATA-VIDÁCS¹, Etelka KOVÁCS¹, Margit A. KORBÁSZ¹,
Gabriella ANTAL², Judit BECZNER¹

Effects of agrotechnology, cold storage and map on the epiphytic microflora of strawberries

¹Department of Microbiology, Central Food Research Institute, Budapest, Hungary; ²Canning 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 BALLA¹, Zoltán KIRILLA¹, Éva KRISTON², Endre K. TÓTH²,
Veronika HANZER³, Margit LAIMER³

Trials for virus detection and elimination of peach cultivars under in-vitro conditions

¹Research Institute for Fruitgrowing and Ornamentals, Budapest, Hungary; ²Laboratory for Plant Pathology and Biotechnology, Óbuda Nursery Ltd, Budapest, Hungary; ³Institute of Applied Microbiology, University of Agricultural Sciences, Vienna, Austria

VP-3

Márta CSIRE¹, Gábor MIKALA², Judit JÁNOSI², Mónika PETŐ², Attila JUHÁSZ^{3,4}, Ilona MEZEY¹, János JAKÓ², Mária VISY⁵, István VÁLYI-NAGY², György BERENCI¹

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

¹Division of Virology, "Béla Johan" National Center for Epidemiology, Budapest, Hungary; ²Department of Hematology and Hemostaseology, National Medical Center, Budapest, Hungary; ^{3,4}Department of Medical Microbiology and Dermatology, University of Debrecen Medical and Health Science Centre, Debrecen, Hungary; ⁵2nd Department of Paediatrics Semmelweis University, Budapest, Hungary

VP-4

Judith DEÁK, Orsolya BERCZKI, 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 FARSANG¹, Ádám BÁLINT², Sándor BELÁK³

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

¹Institute for Veterinary Medicinal Products, Budapest, Hungary; ²Central Veterinary Institute, Budapest, Hungary; ³The 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 FILIPIČ¹, Srećko SLADOLJEV², Sándor TÓTH³, Ferenc SOMOGYVÁRI⁴, Tanja BOTIČ⁵, Avrelija CENCIČ⁵, Srećko KOREN¹

Amino acids modulate the antiproliferative activity of HuI α against malignant cells in vitro

¹Institute of Microbiology and Immunology, Medical Faculty, Ljubljana, Slovenia; ²Institute of Immunology, Zagreb, Croatia; ³Blood Transfusion Center, City Hospital, Orosháza, Hungary; ⁴Institute of Clinical Microbiology, Medical Faculty, University of Szeged, Somogyi B. tér 1, H-6725 Szeged, Hungary; ⁵Faculty of Agriculture, University of Maribor, Maribor, Slovenia

VP-9

Ágnes GYURIS¹, László SZLÁVIK¹, Judit HOHMANN², József MOLNÁR³ János MINÁROVITS¹

Antiretroviral activity of alkaloids isolated from *Leucojum vernum*

¹National Center for Epidemiology, Microbiological Research Group, Budapest, Hungary; ²Department of Pharmacognosy; ³Department of Microbiology, University of Szeged, Szeged, Hungary

VP-10

Ferenc JAKAB¹, Levente VARGA², Zoltán NYÚL², Douglas K. MITCHELL³, Jolan E. WALTER³, Tamás BERKE⁴, David O. MATSON⁴, György SZŰCS¹

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

¹Regional Laboratory of Virology, Baranya County Institute of State Public Health Service, Pécs, Hungary; ²“Kerpel-Frónius Ödön” Children’s Hospital, Pécs, Hungary; ³Children’s Hospital; ⁴Center 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 KÓNYA¹, László GAZDAG², Anita SZALMÁS¹, Zoltán HERNÁDI², Lajos GERGELY¹

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

¹Department of Medical Microbiology and ²Department of Gynecology, University of Debrecen, Debrecen, Hungary

VP-13

Zoran LIPEJ¹, Q. SÉGALES², I. TOPLAK³, Besi ROIĆ¹, D. NOVOSEL¹, L. MANOJLOVIĆ⁴

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

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

VP-14

Rita LÓZSA¹, Károly BÓKA¹, Asztéria ALMÁSI²

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

¹Department of Plant Anatomy, Eötvös Loránd University, Budapest, Hungary; ²Department of Plant Pathophysiology, Plant Protection Institute, Hungarian Academy of Sciences, Budapest, Hungary

VP-15

Edina MELEG^{1,2}, Ferenc JAKAB^{1,2}, Béla KOCSIS², Krisztián BÁNYAI^{1,2}, Béla MELEGH³, György SZŰCS^{1,2}

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

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

VP-16

Tatjana VILIBIĆ ČAVLEK¹, Sunčanica LJUBIN STERNAK¹, Bernard KAIC¹, Kamelija ŽARKOVIĆ², Branka MARUŠIĆ DELLA MARINA³, Ljerka CVITANOVIĆ ŠOJAT⁴, Anica BAŠNEC², Vladimira KRUŽIĆ¹, Nataša BAUK¹, Branko TURKOVIĆ¹, Gordana MLINARIĆ GALINOVIĆ¹

Subacute sclerosing panencephalitis in Croatia (1994-2004)

¹Croatian National Institute of Public Health, Zagreb, Croatia; ²Clinical Hospital Center Zagreb, Zagreb, Croatia; ³Children's Disease Clinic, Zagreb, Croatia; ⁴University Hospital "Sestre milosrdnice", Zagreb, Croatia

VP-17

Melinda MURVAI¹, Ágnes Anikó BORBÉLY², Krisztina SZARKA², Tamás

MAJOR³, József KÓNYA², Lajos GERGELY^{1,2}, György VERESS²

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

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

VP-18

Estela PRUKNER-RADOVČIĆ¹, D. LÜSCHOW², I. CIGLAR GROZDANIĆ¹, H. MAZIJA¹, H.M. HAFEZ²

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

¹Department of Poultry Diseases, Faculty of Veterinary Medicine, University of Zagreb, Zagreb, Croatia; ²Institute of Poultry Diseases, Free University Berlin, Berlin, Germany

VP-19

Tatjana FISLOVÁ, T. SLÁDKOVÁ, Vladimíra ĎURMANOVÁ, 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 ROIĆ¹, Stanislav ČAJAVEC², Neda ERGOTIĆ², Zoran LIPEJ¹, Josip MADIĆ³, Biserka POKRIĆ⁴, Lorena JEMERŠIĆ¹, Mirko LOJKIĆ¹

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

¹Department of Virology, Croatian Veterinary Institute, Zagreb, Croatia; ²Veterina Ltd, Rakov Potok, Croatia; ³Faculty of Veterinary Medicine, University of Zagreb, Zagreb, Croatia; ⁴Ruđer 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 BERENCSEI

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 SZARKA¹, Etelka D.TÓTH², Ildikó TAR², Ildikó MÁRTON², Lajos GERGELY¹

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

¹Department of Medical Microbiology, Medical and Health Science Center; ²Faculty of Dentistry, University of Debrecen, Debrecen, Hungary

VP-24

József SZARVAS¹, Zoltán NAGY¹, Csaba HAJDÚ^{1,2}, Gergely VILLÁS¹
Diagnosis of the „La France Isometric Virus” (LIV) in the case of *Agaricus bisporus*

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

VP-25

László SZLÁVIK¹, Ágnes GYURIS¹, Judit HOHMANN², József

MOLNÁR³, János MINÁROVITS¹

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

¹National Center for Epidemiology, Microbiological Research Group, Budapest, Hungary; ²Department of Pharmacognosy; ³Department 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 TAPASZTI¹, Petra FORGÁCH¹, Csaba KÖVÁGÓ¹, Tamás BAKONYI¹, Grażyna TOPOLSKA², Miklós RUSVAI³

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

¹Department of Microbiology and Infectious Diseases, Faculty of Veterinary Science, Szent István University, Budapest, Hungary; ²Laboratory of Bee Diseases, Department of Clinical Sciences, Faculty of Veterinary Medicine, Warsaw Agricultural University, Warsaw, Poland; ³Department 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 KLEMENT², Krisztina BUZÁS², Gergely MARÓTI¹, Barna FODOR¹, Ákos T. KOVÁCS¹, Dóra LATINOVICS¹, Livia MÉSZÁROS¹, Réka DÁVID¹, Andrea NYILASI¹, Judit BALOGH¹, Gábor RÁKHELY¹, Kornél L. KOVÁCS¹, Katalin F. MEDZIHRADESKY^{2,3}

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

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

INP-3

József KUKOLYA¹, Terézia BARNA¹, János KERÉKGYÁRTÓ¹, István NAGY², László KISS¹

Glycosynthase reaction - an alternative synthesis route for the production of bioactive oligosaccharides

¹Department of Biochemistry, Faculty of Sciences, University of Debrecen, Debrecen, Hungary; ²Department 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 TÓKE, 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 FEKETE¹, Erzsébet SÁNDOR², Attila SZENTIRMAI¹, Levente KARAFFA¹

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

¹Department of Microbiology and Biotechnology, Faculty of Science, University of Debrecen, Debrecen, Hungary;

²Department 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 KUTASI¹, Viktor JURKOVICH², Endre BRYDL², László KÖNYVES², Árpád BATA¹

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

¹Dr. Bata Canadian-Hungarian Biotechnological R&D Ltd., Ócsa, Hungary; ²Department 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 RAPALI¹, Mónika MAGONY¹, Anna GARA¹, Kornél L. KOVÁCS^{1,2}, Gábor RÁKHELY^{1,2}

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

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

INP-12

Erzsébet SÁNDOR¹, Kálmán Z. VÁCZY², Irina DRUZHININA³, Christian P. KUBICEK³, György J. KÖVICS¹, Levente KARAFFA⁴

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

¹Department of Plant Protection, Centre for Agricultural Sciences, Faculty of Agriculture, University of Debrecen, Debrecen, Hungary; ²Research Institute for Viticulture and Enology, Eger, Hungary; ³Department of Chemical Engineering, Research Area Gene Technology and Applied Biochemistry, TU Wien, Wien, Austria; ⁴Department of Microbiology and Biotechnology, Faculty of Science, University of Debrecen, Debrecen, Hungary

INP-13

Csaba SISAK¹, Zoltán KASKÖTŐ², Tamás LAKATOS²

Cultivation studies on entomopathogenic nematode – bacterium symbiont complexes

¹Research Institute of Chemical and Process Engineering, University of Veszprém, Veszprém, Hungary; ²Research and Extension Centre for Fruit Growing, Újfehértó, Hungary

INP-14

Anna GARA¹, Péter RAPALI¹, Mónika MAGONY¹, Katalin PEREI¹, Katalin F. MEDZIHRADSZKY³, Kornél L. KOVÁCS^{1,2}, Gábor RÁKHELY^{1,2}

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

¹Department of Biotechnology, University of Szeged; ²Institute of Biophysics, Biological Research Center of the

Hungarian Academy of Sciences, Szeged, Hungary; ³Department of Pharmaceutical Chemistry, University of California, San Francisco, USA

INP-15

Zsófia HERBEL^{1,2}, Balázs BÁLINT^{1,2}, Zoltán BAGI², Katalin PEREI²,
Gábor RÁKHELY^{1,2}, Kornél L. KOVÁCS^{1,2}

Biodegradation of keratin containing wastes: a molecular approach

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

INP-16

Andrea NYILASI¹, Gergely MARÓTI¹, Gábor RÁKHELY^{1,2}, Kornél L. KOVÁCS^{1,2}

Investigation of HupK hydrogenase accessory protein in *Thiocapsa roseopersicina*

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

INP-17

Ferenc SZTARICSKAI

Search for environment friendly compounds in plant protection: Development of a new compound against *Erwinia carotovora*

Research Group for Antibiotics, Hungarian Academy of Sciences – University of Debrecen, Debrecen, Hungary

12.00 – 13.00 Mycology Session - Posters

MP-1

Ervin K. NOVÁK¹, Judit ZALA²

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

¹Retired Head of Department and Judicial Expert in Mycology, Budapest, ²Mycology Department, National Center for Epidemiology, Budapest

MP-2

Béla SZAMECZ, Gabriella URBÁN, László DORGA

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

Bay Zoltán Institute for Biotechnology, Szeged, Hungary

MP-3

Brigitta OLÁH^{1,2}, Zoltán KERÉNYI¹, Apor JENEY¹, Anita KESZTHELYI^{1,2}, László HORNOK^{1,2}

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

¹Agricultural Biotechnology Center, Gödöllő, Hungary; ²Department of Agricultural Biotechnology and Microbiology, Group of Mycology, HAS, Szent István University, Gödöllő, Hungary

MP-4

Attila L. ÁDÁM¹, Gábor KOHUT¹, László HORNOK^{1,2}

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

¹Group of Mycology HAS, Department of Agricultural Biotechnology and Microbiology, Szent István University, Gödöllő, Hungary; ²Agricultural Biotechnology Center, Gödöllő, Hungary

MP-5

Anita KESZTHELYI^{1,2}, Ineke DE VRIES³, Apor JENEY², Zoltán KERÉNYI², Odette MENDES³, Theo VAN DER LEE³, Cees WAALWIJK³, László HORNOK^{1,2}

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

¹Department of Agricultural Biotechnology and Microbiology, Group of Mycology, HAS, Szent István University, Gödöllő, Hungary; ²Agricultural Biotechnology Center, Gödöllő, Hungary; ³Business 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 KOVÁCS¹, Igor STUPAREVIČ², Anna MARÁZ¹

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

¹Department of Microbiology and Biotechnology, Corvinus University of Budapest, Budapest, Hungary;

²Department of Biochemistry, University of Zagreb, Zagreb, Croatia

MP-9

László KREDICS¹, Christina KRATZER², Christian P. KUBICEK³, Monika SCHMOLL³

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

¹Microbiological Research Group, Hungarian Academy of Sciences and University of Szeged, Szeged, Hungary;

²Department of Internal Medicine I, Division of Infectious Diseases and Chemotherapy, Medical University of Vienna, Vienna, Austria; ³Division Gene Technology and Applied Biochemistry, Institute of Chemical Engineering, Technical University of Vienna, Vienna, Austria

MP-10

Lóránt HATVANI¹, László KREDICS², András SZEKERES¹, Zsuzsanna ANTAL², Adrienn NAGY³, László MANCZINGER¹, Csaba VÁGVÖLGYI¹

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

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

MP-11

Miklós LÁDAY¹, Zsuzsanna HAMARI², Ákos JUHÁSZ², Veronika STUBNYA³, László HORNOK³

Characterisation of a novel mitochondrial plasmid in *Fusarium proliferatum*

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

MP-12

Zsuzsanna ANTAL¹, Lóránt HATVANI², László KREDICS¹, András SZEKERES², László MANCZINGER², Csaba VÁGVÖLGYI¹, Elisabeth NAGY^{1,3}

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

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

MP-13

Zsuzsanna ANTAL¹, Lóránt HATVANI², János VARGA², László KREDICS¹, András SZEKERES², László MANCZINGER², Csaba VÁGVÖLGYI², Elisabeth NAGY^{1,3}

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

¹Microbiological Research Group, Hungarian Academy of Sciences and University of Szeged; ²Department of Microbiology, University of Szeged, Szeged, Hungary; ³Institute of Clinical Microbiology, University of Szeged, Szeged, Hungary

MP-14

Árpád CSERNETICS¹, Tamás PAPP¹, Antonio VELAYOS², Enrique A. ITURRIAGA², Arturo P. ESLAVA^{2,3}, Csaba VÁGVÖLGYI¹

Carotene production with genetically modified *Mucor circinelloides* strains

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

MP-15

Wiebke GÄHRS¹, Zoltán TIGYI², Levente EMÖDY², Josef

MAKOVITZKY¹

Topo-optical investigations on the cell wall of various yeasts

¹Department of Obstetrics and Gynecology, University of Rostock, Rostock, Germany; ²Department 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 KOSALEC¹, Stjepan PEPELJNJAK¹, Roberto ANTOLOVIĆ², Dubravko JELIĆ², Pierre GALTIER³, Olivier PUEL³

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

¹Institute of Microbiology, Faculty of Pharmacy and Biochemistry, University of Zagreb, Zagreb, Croatia, ²Pliva Research Institute Ltd., Zagreb, Croatia; ³Immuno-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 ANTAL¹, László KREDICS¹, András SZEKERES², János VARGA², Lóránt HATVANI², László MANCZINGER², Csaba VÁGVÖLGYI², Elisabeth NAGY^{1,3}

Taxonomic investigations of clinical *Trichoderma longibrachiatum* strains

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

MP-24

Andrea POMÁZI¹, Blanka KISS¹, Ildikó MAGYAR², Anna MARÁZ¹

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

¹Department of Microbiology and Biotechnology, Corvinus University of Budapest, Budapest, Hungary;

²Department 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 VÁCZY¹, Lajos GÁL¹, Levente KARAFFA², György J. KÖVICS³, Erzsébet SÁNDOR³

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

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

MP-28

Apor JENEY¹, Anita KESZTHELYI^{1,2}, László HORNOK^{1,2}

Inactivation of *fpmtr*, an unusual amino acid transporter gene disturbs sexual and parasexual events in *Fusarium proliferatum*

¹Agricultural Biotechnology Center, Gödöllő, Hungary; ²Department of Agricultural Biotechnology and Microbiology, Group of Mycology, HAS, Szent István University, Gödöllő, Hungary

MP-29

József SZARVAS¹, Zoltán NAÁR², Zoltán NAGY¹, Gergely VILLÁS¹

Establishment of *Agaricus*-pathogen collection

¹Strain Research and Molecular Biological Laboratory, Quality Champignons Ltd, Demjén, Hungary; ²Department 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

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^{1,9}, Bruno LEDERGERBER², Luc PERRIN³, Thomas KLIMKAIT⁴, Hans Jakob FURRER⁵, Amalio TELENTI⁶, Enos BERNASCONI⁷, Pietro VERNAZZA⁸, Huldrych F. GÜNTHARD², Sebastian BONHOEFFER⁹

No evolution of virulence in the Swiss HIV-1 epidemic

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

8.50 – 9.00 **VL-23**

Mária MEZEI¹, Katalin BALOG¹, Dunja Z. BABIČ², Gábor TÓTH³, Gábor CECH⁴, Balázs VAJNA⁴, Tamás TAUBER⁴, Katja SEME², Janez TOMAŽIČ⁵, Ludvik VIDMAR⁵, Mario POLJAK², János MINÁROVITS¹

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

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

9.00 – 9.10 **VL-24**

Ákos GELLÉRT^{1,2}, Katalin SALÁNKI¹, Ervin BALÁZS¹

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

¹Institute of Environmental Biosafety, Agricultural Biotechnology Center, Gödöllő, Hungary; ²Department of Theoretical Chemistry, Eötvös Loránd University, Budapest, Hungary

9.10 – 9.20 **VL-25**

Ágnes BUKOVINSZKI¹, Reinhard GÖTZ², Elisabeth JOHANSEN³, Ervin BALÁZS¹, Edgar MAISS²

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

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

9.20 – 9.30 **VL-26**

Petra FORGÁCH¹, Annika HAAGSMAN², Dezső SZÜGYI¹, János ZENTAI³, Gábor REUTER⁴, Tamás BAKONYI¹, György SZÚCS⁴

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

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

9.30 – 9.40 **VL-27**

Gábor REUTER¹, Domonka FODOR², Andrea KÁTAI³, György SZÚCS¹

Molecular detection of Hepatitis E Virus (HEV) in non-imported hepatitis case -

identification of a potential new human Hepatitis E Virus strain in Hungary

¹Regional Laboratory of Virology, Baranya County Institute of State Public Health Service, Pécs, Hungary;

²Department of Infectology, City Hospital of Szeged, Szeged, Hungary; ³Regional Laboratory of Microbiology, Csongrád County Institute of State Public Health Service, Szeged, Hungary

9.40 – 10.00 *Coffee break*

Chairpersons: György SZŰCS and Mária TAKÁCS

10.00 – 10.10 **VL-28**

Gábor REUTER¹, Ágnes JUHÁSZ², Lászlóné KOSZTOLÁNYI³, Éva LEFLER², Zsuzsanna FEKETE¹

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

¹Regional Laboratory of Virology, Department of Epidemiology, Baranya County Institute of State Public Health Service, Pécs, Hungary; ²Hajdú-Bihar County Institute of State Public Health Service, Debrecen, Hungary;

³Regional Laboratory of Virology, Borsod-Abaúj-Zemplén County Institute of State Public Health Service, Miskolc, Hungary

10.10 – 10.20 **VL-29**

Péter GERMÁN¹, Márta ANTAL¹, László SÁMI¹, István KISS¹, Sándor BELÁK²

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

¹Central Veterinary Institute, Institute of Debrecen, Debrecen, Hungary; ²Department of Virology, The National Veterinary Institute, Uppsala, Sweden

10.20 – 10.30 **VL-30**

Edit ZÁDORI¹, Etelka TÓTH², György BERENCSEI²

Unforeseen behaviour of the rabies virus in mouse experimental system

¹Department for Control of Virus Vaccines; ²Department of Virology, National Center for Epidemiology, Budapest, Hungary

10.30 – 10.40 **VL-31**

Tamás BAKONYI^{1,4}, Zdenek HUBÁLEK², Emőke FERENCZI³, Ivo RUDOLF², Norbert NOWOTNY⁴

Phylogenetic analysis of Tahyna virus strains isolated in Central-Europe

¹Department of Microbiology and Infectious Diseases, Faculty of Veterinary Science, Szent István University, Budapest, Hungary; ²Institute of Vertebrate Biology, Academy of Sciences, ASCR, Valtice, Czech Republic;

³Department of Virology, "Béla Johan" National Center for Epidemiology, Budapest, Hungary; ⁴Zoonoses 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 BALKÁ¹, Ákos HORNYÁK^{2,4}, Ádám BÁLINT⁴, István KISS³, Sándor KECSKEMÉTI³, Miklós RUSVAI¹

Phylogenetic analysis of Hungarian PRRSV strains

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

10.50 – 11.00 **VL-33**

Gábor REUTER^{1,2}, Harry VENNEMA², Marion KOOPMANS², György SZŰCS¹

Epidemic spread of recombinant noroviruses with four capsid types in Hungary

¹Regional Laboratory of Virology, Baranya County Institute of State Public Health Service, Pécs, Hungary;

²Diagnostic 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 PIECKOVA¹, Rafal GORNY², Jacek DUTKIEWICZ³, Albinas LUGAUSKAS⁴, Arunas KRIKSTAPONIS⁴, Katerina KLANOVA⁵, Natalya MATJUSHKOVA⁶

Indoor Mycology Networking in new EU member states from Central Europe

¹Slovak Medical University, Bratislava, Slovakia; ²Institute of Occupational Medicine and Environmental Health, Sosnowiec, Poland; ³Institute of Agricultural Medicine, Lublin, Poland; ⁴Institute of Botany, Vilnius, Lithuania; ⁵National Institute of Public Health, Prague, Czech Republic; ⁶Faculty of Biology, Riga, Latvia

8.50 – 9.10

ML-13

László MAJOROS¹, Gábor KARDOS¹, E. FALUSI¹, Cecília MISZTI¹, P. McNICHOLAS²

Determination of minimal fungicidal concentrations of posaconazole against seven *Candida* species

¹Department of Medical Microbiology, University of Debrecen, Hungary; ²Schering-Plough Research Institute, Kenilworth, NJ, USA

9.10 – 9.30

ML-14

Gábor KARDOS^{1,2}, László MAJOROS¹

Genetic diversity of *Candida Albicans* strains isolated from oral, urine and blood samples

¹Department of Medical Microbiology, University of Debrecen, Debrecen, Hungary; ² Institute of Debrecen, National Veterinary Institute, Debrecen, Hungary

9.30 – 9.50

ML-15

Judit ANTAL^{1,3}, Zongliang XIA², Zsigmond BENKÓ¹, Zhiqiang DU², Fang SHI², Kufan LIU², Miklós PESTI³, Daowen WANG², Richard Yuqi ZHAO¹

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

¹Children's Memorial Institute for Education and Research, Northwestern University, Chicago, USA; ²Institute of Genetics and Developmental Biology, Chinese Academy of Sciences, Beijing, China; ³Department 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-MOŽINA

10.30 – 10.45

BL-16

Orsolya DOBAY^{1,2}, Ferenc ROZGONYI¹, Fiona WALSH², Matthew

DIGGLE³, Sebastian G.B. AMYES²

Direct comparison of pulsed-field gel electrophoresis (PFGE) and multilocus sequence typing (MLST)

¹Institute of Medical Microbiology, Semmelweis University, Budapest, Hungary; ²Department of Medical Microbiology, Edinburgh University, Edinburgh, Scotland, UK; ³Scottish Meningococcal and Pneumococcal Reference Laboratory, Stobhill Hospital, Glasgow, Scotland, UK

10.45 – 11.00

BL-17

Gábor KARDOS^{1,2}, Márta ANTAL, István TÓTH³, István KISS¹, Béla NAGY³

Genetically related clusters among Hungarian *Escherichia coli* O157 EHEC and EPEC strains

¹ Institute of Debrecen, National Veterinary Institute, Debrecen, Hungary; ²Department of Medical Microbiology, University of Debrecen, Debrecen, Hungary; ³Veterinary Medical Research Institute, Hungarian Academy of Sciences, Budapest, Hungary

11.00 – 11.10

BL-18

Gábor NYÍRÓ^{1,2}, Lisa KLASSON¹, Ylva LUTNAES¹, Kristina NÄSLUND¹, Ann-Sofie ERIKSSON¹, Siv ANDERSSON¹

Comparative genomics of different strains of *Wolbachia pipientis* bacteria

¹Department of Evolution, Genomics and Systematics, EBC, Uppsala University, Uppsala, Sweden; ²Department of Microbiology, Eötvös L. 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 MIJAKOVIĆ¹, Dina PETRANOVIĆ¹, Tina ČEPO², Julian DAVIES³, Peter R. JENSEN¹, Dušica VUJAKLIJA²

Bacterial single-stranded DNA-binding proteins are phosphorylated on tyrosine

¹Microbial Physiology and Genetics group, BioCentrum, Technical University of Denmark, Lyngby, Denmark; ²Ruder Bošković Institute, Zagreb, Croatia; ³Department of Microbiology and Immunology, University of British Columbia, Vancouver, Canada

12.20 – 12.40

BL-22

Ksenija ZAHRADKA¹, Adriana BAILONE², Dietrich AVERBECK³, Mirjana PETRANOVIĆ¹, MIROSLAV Radman⁴

***Deinococcus radiodurans*: the most efficient DNA repair involves coupled replication and recombination processes**

¹Ruder Bošković Institute, Department of Molecular Biology, Zagreb, Croatia; ²Institut de Génétique et Microbiologie, Bat. 409, Université Paris-Sud, Orsay Cedex, France; ³Institut Curie, Bat. 110, Université Paris-Sud, Orsay Cedex, France; ⁴INSERM 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 MÁNDY

- 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 SZALMÁS¹, Ferenc BÁNÁTI², Anita KOROKNAI², Dániel SALAMON², Enikő FEHÉR¹, Lajos GERGELY¹, János MINÁROVITS², József KÓNYA¹
Promoter methylation and chromatin structure in the regulation of human interleukin-10 gene expression
¹Department of Medical Microbiology, Medical and Health Science Center, University of Debrecen, Debrecen, Hungary; ²Microbiological 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 Jusstina KOVÁCS¹, Katalin HEGEDŰS¹, Attila PÁL², Rozália PUSZTAI²
Human cytomegalovirus strains elicit different levels of Il-8 and permissiveness in epithelial cells
¹Department of Medical Microbiology and Immunobiology; ²Department of Obstetrics and Gynecology, University of Szeged, Szeged, Hungary
- 9.05 – 9.15 **BL-5**
Bálint TRESÓ¹, Zoltán KIS¹, Katalin BURIÁN², Valéria ENDRÉSZ², György BERENCSEI¹, Éva GÖNCZÖL¹
The effect of penicillin treatment on the expression of *Chlamydia pneumoniae* genes
¹Béla Johan National Center for Epidemiology, Budapest, Hungary; ²Department of Medical Microbiology and Immunobiology, University of Szeged, Szeged, Hungary
- 9.15 – 9.25 **BL-6**
Zoltán KIS¹, Bálint TRESÓ¹, Valéria ENDRÉSZ², Katalin BURIÁN², György BERENCSEI¹, Éva GÖNCZÖL¹
***Chlamydia pneumoniae* gene expression in human dendritic cells**
¹Béla Johan National Center for Epidemiology, Budapest, Hungary; ²Department of Medical Microbiology and Immunobiology, University of Szeged, Szeged, Hungary
- 9.25 – 9.45 **IL-7**
Zsuzsanna SZÉNÁSI¹, István KUCSERA¹, Katalin N. HORVÁTH¹, Pálma MÁRTON¹, Erika OROSZ¹, Krisztina MENYHÁRT², Zsolt SZEIDEMANN²
Prevalence and molecular biologic characterization of zoonotic protozoa, *Giardia duodenalis* in humans and animals with special reference to laboratory diagnostic and epidemiologic aspects.
¹National Reference Laboratory for Diseases Caused by Intestinal Protozoa, Department of Parasitology, 'Johan Béla' National Center for Epidemiology, Budapest, Hungary; ²Bayer HealthCare, Budapest, Hungary
- 9.45 – 10.00 **IL-8**

Katalin N. HORVÁTH¹, Zsuzsanna SZÉNÁSI¹, István KUCSERA¹, Roszica TODOROVA²

Usefulness of the PCR methods in the diagnosis of *Plasmodium* infections

¹Department of Parasitology, 'Johan Béla' National Center for Epidemiology, Budapest, Hungary; ²Laboratory 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* protozoons?

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 KRAJAČIĆ

Phytoplasmas - prokaryotes with a minimal gene set for life and their parasitism

Department of Biology, Faculty of Science, University of Zagreb, Zagreb, Croatia

11.10 – 11.30

AL-23

Sándor BALÁZSY¹, Nadiya BOIKO², Judit L. HALÁSZ¹, Márta D. TÓTH¹, László SIMON¹

Effect of metals on the microbial communities of the Upper-Tisza and Szamos rivers

¹Department of Botany, College Faculty of Science, College of Nyíregyháza, Nyíregyháza, Hungary; ²State University of Uzhorod, Uzhorod, Ukraine

11.30 – 11.40

AL-24

Tamás FELFÖLDI¹, Boglárka SOMOGYI², Orsolya KERÉNYI¹, Lajos VÖRÖS², Károly MÁRIALIGETI¹

Molecular analysis of the diversity of picoplankton populations in some Hungarian freshwaters

¹Department of Microbiology, Eötvös Loránd University, Budapest, Hungary; ²Balaton Limnological Research Institute of the HAS, Tihany, Hungary

11.40 – 11.50

AL-25

Judit L. HALÁSZ¹, Márta D. TÓTH¹, Sándor BALÁZSY¹, Rene ROHR²

Environmental microbiological studies on landfill sites

¹Department of Biology, College of Nyíregyháza, Nyíregyháza, Hungary; ²Ecologie Microbienne, Université Claude Bernard Lyon 1, Bat. Lwoff 43, VILLEURBANNE, Lyon, France

11.50 – 12.00

AL-26

Beatrix POLLÁK, Anna RUSZNYÁK, Márton PALATINSZKY, 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 KUKOLYA¹, Csaba DOBOLYI², Anikó ALFÖLDI², Erika TÓTH³,
Károly MÁRIALIGETI³

Isolation and taxonomic investigation of a stable cellulolytic co-culture from mesophilic compost

¹Department of Biochemistry, Faculty of Sciences, University of Debrecen, Debrecen, Hungary; ²Department of Agricultural Biotechnology and Microbiology, Szent István University, Gödöllő, Hungary; ³Department of Microbiology, Faculty of Science, Eötvös Loránd University, Budapest, Hungary

12.30 – 12.40

AL-30

Ana Begonja KOLAR¹, Dubravka HRSAK¹, Sanja FINGLER², Ernest VONCINA³

PCB degrading bacteria from marine sediments

¹Center for Marine and Environmental Research, Ruđer Bošković Institute, Croatia; ²Institute for Medical Research and Occupational Health, Zagreb, Croatia; ³Public Health Institute Maribor, Environmental Protection Institute, Maribor, Slovenia

12.40 – 12.50

AL-31

Tibor SZILI-KOVÁCS¹, Zsuzsanna POCHNER², Melinda Halassy³, Katalin Török³

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

¹Research Institute for Soil Science and Agriculture, HAS, Budapest, Hungary; ²Department of Microbiology, Eötvös L. University, Budapest, Hungary; ³Ecological and Botanical Research Institute, HAS, Vácrátót, 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

Ronald P. DE VRIES¹, Marc-Henri LEBRUN², Hans A.B. WÖSTEN¹

Pentose catabolism in saprophytic and pathogenic fungi

¹Microbiology, Institute of Biomembranes, Utrecht University, The Netherlands; ²CNRS-Bayer, Bayer Cropscience, Lyon, France.

8.20 – 8.40

INL-2

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

8.40 – 9.00

INL-3

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

9.00 – 9.20

INL-4

Dušica VUJAKLIJA, Ivana LESCIC, Marija ABRAMIC, Biserka KOLSPRODIC, Jasenka PIGAC

Streptomyces as producers of lipolytic enzymes

Ruđer Bošković Institute, Zagreb, Croatia

9.20 – 9.40

INL-5

Michel FLIPPPI, Xavier ROBELLE, 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

9.40 – 10.00

INL-6

Balázs ERDÉLYI¹, Attila KÓNYA², Antal SZABÓ¹, Gábor SERES³, Gábor SZATCKER⁴, László POPPE⁴

Enzymatic production of chiral 1-aryl- and 1-alkylethanol

¹Fermentation Pilot Plant; ²Cell and Microbiological Control Group; ³Analytical Department, IVAX Drug Research Institute Ltd., Hungary; ⁴Department of Organic Chemistry, Budapest University of Technology and Economics, Budapest, Hungary

10.00 – 10.20

INL-7

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

10.20 – 10.40

INL-8

Péter HAMERLI

Novel bioreactor systems for mammalian and plant cell cultivation

Sartorius Membrán Kft, Budakeszi, Hungary

10.40 – 11.00

Coffee break

Chairpersons: *Attila SZENTIRMAI and Levente KARAFFA*

- 11.00 – 11.20 **INL-9**
József KUKOLYA¹, Csaba FEKETE¹, Zoltán DÓRI-TÓTH², Jos VANDERLEYDEN³, Stijn SPAEPEN³, David B. WILSON⁴, László KISS¹
Cloning and biochemical characterization of a β -xylosidase (*Xyna*) a new member of the hemicellulase enzyme system of *Thermobifida fusca*
¹Department of Biochemistry, Faculty of Sciences, University of Debrecen, Debrecen, Hungary; ²Department of Agricultural Biotechnology and Microbiology, Szent István University, Gödöllő, Hungary; ³Centre of Microbial and Plant Genetics, Katholieke Universiteit Leuven, Leuven, Belgium; ⁴Department of Molecular Biology and Genetics, Cornell University, Ithaca, NY, USA
- 11.20 – 11.40 **INL-10**
Zoltán BAGI¹, Katalin PEREI¹, Kornél L. KOVÁCS^{1,2}
Towards an efficient and integrated biogas technology
¹Department of Biotechnology, University of Szeged; ²Institute of Biophysics, Biological Research Centre, Hungarian Academy of Sciences, Szeged, Hungary
- 11.40 – 12.00 **INL-11**
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-12**
Zsófia KÁDÁR¹, Csaba BALOGH¹, San Feng MALTHA², Wim de LAAT²
Microbial production of biofuels from wastes
¹Department of Agricultural Chemical Technology, Budapest University of Technology and Economics, Budapest, Hungary; ²Royal Nedalco B.V., Bergen op Zoom, The Netherlands
- 12.20 – 12.40 **INL-13**
Krisztina KOVÁCS¹, György SZAKÁCS¹, Viviána NAGY¹, Judit SZENDEFY¹, László MEGYERI¹, Károly TAKÁCS¹, László POPPE², Ashok PANDEY³, Robert P. TENGERTDY⁴, Lew CHRISTOPHER⁵, Ibrahim Che OMAR⁶
Production of enzymes by solid-state fermentation
¹Department of Agricultural Chemical Technology; ²Institute for Organic Chemistry, Budapest University of Technology and Economics, Budapest, Hungary; ³Biotechnology Division, Regional Research Laboratory, CSIR, Trivandrum, India; ⁴Department of Microbiology, Colorado State University, Fort Collins, CO, USA; ⁵Sappi SA Technology Centre, Hatfield, South Africa; ⁶School of Biological Sciences, Universiti Sains Malaysia, Minden, Penang, Malaysia
- 12.40 – 13.00 **INL-14**
Viviána NAGY¹, Christian P. KUBICEK², Verena SEIDL², Irina DRUZHININA², György SZAKÁCS¹
Increased extracellular chitinase production in solid substrate fermentation by *Trichoderma harzianum* haplotype aa
¹Department of Agricultural Chemical Technology, Budapest University of Technology and Economics, Budapest, Hungary; ²Division of Applied Biochemistry and Gene Technology, Institute of Chemical Engineering, Technical University of Vienna, Wien, Austria
- 13.00 – 13.20 **INL-15**
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-16**
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-17**
Katalin PEREI, Árpád NAGY, Szilvia ZSÍROS, Kornél L. KOVÁCS
Bioremediation of chlorinated benzene-contaminated soil

Department of Biotechnology, University of Szeged, Szeged, Hungary

Friday, October 28

Poster Room

8.00 – 9.00 Bacteriology, Immunology and Parasitology Posters

BP-1

Izabela CHUDZICKA-STRUGAŁA, 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 ENDRÉSZ¹, Katalin BURIÁN¹, Zoltán KIS^{1,2}, Katalin ÁCS¹, Zoltán PROHÁSZKA³, György FÜST³, Éva GÖNCZÖL²

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

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

BP-4

Márta E. GULYÁS¹, Zsuzsanna NÉMETH¹, Gergely BABINSZKY², Péter MAJOR¹, Miklós RODLER¹, Gábor CSITÁRI²

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

¹Department of Microbiology, National Institute of Food Safety and Nutrition, Budapest, Hungary; ²Department 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 Clindamycin 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 KERÉNYI¹, Heather E. ALLISON², Ágnes SONNEVEND³, Nóra PLAVECZKY¹, István BÁTAI⁴, Levente EMŐDY¹, Tibor PÁL^{1,3}

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

¹Department of Medical Microbiology and Immunology; ²Department of Anesthesiology and Intensive Therapy, Medical School, University of Pécs, Pécs, Hungary; ³School of Biological Sciences, Division of Microbiology and Genomics, University of Liverpool, BioSciences Building, Liverpool; ⁴Department 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 NAGLIĆ¹, H. BALL², Branka ŠEOL, D. FINLAY², M. BENIĆ³, G. GALIĆ⁴

The incidence of *Mycoplasma bovis* mastitis in Croatia

¹Department of Microbiology and Infectious Diseases, Veterinary Faculty University of Zagreb, Zagreb, Croatia;

²Veterinary Research Laboratories, Stoney Road, Stormont, Belfast, U.K.; ³Croatian Veterinary Institute, Zagreb, Croatia; ⁴Veterinary Clinic Vetam, Osijek, Croatia

BP-13

Mihaela OBROVAC¹, Vera KATALINIĆ-JANKOVIĆ¹, Magdalena GRCE²
Implementing the multiplex PCR method in determining resistance to isoniazid in *Mycobacterium tuberculosis* strains in Croatia

¹Croatian National Institute of Public Health, Zagreb, Croatia; ²Ruder 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 SZABÓ¹, Ágoston GHIDÁN², Zsuzsanna DOMBRÁDI¹, Ágnes TÓTH¹, Ágnes BORBÉLY¹, Cecília MISZTI¹, István ANDIRKÓ¹, Ferenc ROZGONYI²

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

¹Department of Medical Microbiology, Medical Health Science Center, University of Debrecen, Debrecen, Hungary;

²Institute of Medical Microbiology, Faculty of Medicine, Semmelweis University, Budapest, Hungary

BP-16

Judit SZABÓ², József FÖLDI⁴, Anna PÉCSI³, Tamás PÉCSI⁵, Margit KULCSÁR¹, Gyula HUSZENICZA¹

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

¹Department of Obstetrics and Reproduction, Veterinary Faculty; Szent István University, Budapest, Hungary;

²Department of Microbiology, Medical Faculty, University of Debrecen, Debrecen, Hungary; ³Department of Animal Physiology and Animal Health, Centre of Agricultural Sciences, University of Debrecen, Debrecen, Hungary;

⁴Intervet Hungaria Kft, Budapest, Hungary; ⁵BIO-VET Kft, Debrecen, Hungary

BP-17

Györgyi VIRÁG¹, Katalin FÁBIÁN², Tímea BARNA², **Gábor KULCSÁR²**, László MAKRANSZKI²

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

¹Institute for Small Animal Research, Gödöllő, Hungary; ²Institute 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

Ruder 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- β -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 NAGY¹, Na SUN¹, Florian BECK¹, Roland KNISPEN¹, Frank SIEDLER², Beatrix SCHEFFER², Stephan NICKELL¹, Wolfgang BAUMEISTER¹

The cytosolic and macromolecular subproteome of *Thermoplasma acidophilum*

¹Department of Structural Biology; ²Department of Membrane Biochemistry, Max-Planck-Institute for Biochemistry, Martinsried bei Munchen, Germany

AP-3

József KUKOLYA¹, Kristof VRANCKEN², Jozef ANNE², Stijn SPAEPEN³, Jos VANDERLEYDEN³

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

¹Department of Biochemistry, Faculty of Sciences, University of Debrecen, Debrecen, Hungary; ²Laboratory of Bacteriology, Rega Institute for Medical Research, Katholieke Universiteit Leuven, Leuven, Belgium; ³Centre 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-VÉR¹, Gyula ÁRVAY², Tamás MORSCHHAUSER¹, Borbála BÍRÓ³, József CSICSÁK⁴, Attila BORHIDI¹

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

¹Institute of Biology, University of Pécs, Pécs, Hungary; ²Plant Health and Soil Conservation Service, Soil Biology Laboratory, Pécs, Hungary; ³Research Institutes for Soil Science and Agricultural Chemistry of H.A.S., Budapest, Hungary; ⁴Mecsek Ore Environmental Company, Pécs, Hungary.

AP-6

Árpád CZÉH¹, Zoltán GAZDAG¹, Csaba VÉR², Péter RUDOLF³, Zoltán KULIK⁴, Károly NAGY⁴, Mónika ÓSS⁴, Krisztina TAKÁCS¹, Andrea BORSODI⁵, Károly MÁRIALIGETI⁵, Miklós PESTI¹

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

¹Department of General and Environmental Microbiology, University of Pécs, Pécs, Hungary; ²Biokom Ltd, Pécs, Hungary; ³Pannon Power Co, Pécs, Hungary; ⁴Pécsi Vízmű Co, Pécs, Hungary; ⁵Department of Microbiology, Eötvös L. 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. KAFFKA¹, Zsolt SEREGÉLY¹, Judit BECZNER², Margit A. KORBÁSZ², Borbála BIRÓ³

Investigation of differently treated soil types by NIR spectroscopy

¹Department of Refrigeration and Livestock- Products Technology, Corvinus University of Budapest, Budapest, Hungary; ²Department of Microbiology, Central Food Research Institute, Budapest, Hungary; ³Research 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 KERESZTÉNYI¹, György ISAÁK¹, Csaba DOBOLYI²

Analysis of fungal populations of a biofilter treating refinery waste gas

¹DS Technology and Project Development, MOL Hungarian Oil and Gas Plc., Százhalombatta, Hungary; ²Faculty 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-GÁSPÁR¹, Péter MÁTHÉ², Attila ANTON¹

Change of acid phosphatase activity in a heavy metal polluted soil

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

AP-16

Éva MÉSZÁROS¹, Sára RÉVÉSZ¹, Csaba ROMSICS¹, Anikó KENDE², Tamás RIKKER², Károly MÁRIALIGETI¹

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

¹Department of Microbiology, Eötvös Loránd University, Budapest, Hungary; ²Dr. 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 PETRIC¹, Dubravka HRSÁK¹, Sonja FINGLER²

Small-scale biodegradation experiment for bioremediation of polychlorinated biphenyl-contaminated soil

¹Rudjer Bošković Institute, Center for Marine and Environmental Research, Zagreb, Croatia; ²Institute 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 SAJBEN¹, Zsuzsanna ANTAL², András SZEKERES¹, László MANCZINGER¹, Csaba VÁGVÖLGYI¹

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

¹Department of Microbiology, University of Szeged; ²Microbiological Research Group, Hungarian Academy of Sciences and University of Szeged, Szeged, Hungary

AP-22

Zsolt SÁNDOR¹, János KÁTAI²

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^{1,3}, Károly MÁRIALIGETI¹, István TÁTRAI², György DÉVAI³, Andrea K. BORSODI¹

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

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

AP-24

András SZEKERES¹, László KREDICS², Zsuzsanna ANTAL², Lóránt HATVANI¹, László MANCZINGER¹, Csaba VÁGVÖLGYI¹

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

¹Department of Microbiology; ²Microbiological Research Group, Hungarian Academy of Sciences and University of Szeged, Szeged, Hungary

AP-25

András SZEKERES¹, Balázs LEITGEB², László KREDICS³, Zsuzsanna ANTAL³, Lóránt HATVANI¹, László MANCZINGER¹, Csaba VÁGVÖLGYI¹

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

¹Department of Microbiology, University of Szeged, Szeged, Hungary; ²Institute of Biophysics, Biological Research Center of the Hungarian Academy of Sciences, Szeged, Hungary; ³Microbiological Research Group, Hungarian Academy of Sciences and University of Szeged, Szeged, Hungary

AP-26

Endre SZÚCS¹, Ildikó BALLA¹, Zoltán KIRILLA¹, Tünde TAKÁCS², Ibolya VÖRÖS²

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

¹Research Institute for Fruitgrowing and Ornamentals, Budapest, Budapest, Hungary; ²Research 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. TÓTH¹, Judit L. HALÁSZ¹, Sándor BALÁZSY¹, Rene ROHR²

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

¹Department of Botany, College Faculty of Science, College of Nyíregyháza, Nyíregyháza, Hungary; ²Université Claude Bernard Lyon 1 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 SZARVAS¹, Diána KLIÉGL¹, Andrea POMÁZI², Anna MARÁZ²,
Erzsébet SZÜCS³, Csaba HAJDÚ^{1,4}

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

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

AP-33

Csilla SIPEKY¹, Gyula ÁRVAY², Klára CZAKÓ-VÉR¹

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

¹Department of General and Environmental Microbiology, University of Pécs, Pécs, Hungary; ²Soil 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 TERECSKEI¹, Zsuzsanna ANTAL², András SZEKERES¹, László KREDICS², László MANCZINGER¹, Csaba VÁGVÖLGYI¹

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

¹Department of Microbiology, Faculty of Sciences, University of Szeged; ²Microbiological Research Group, Hungarian Academy of Sciences and University of Szeged, Szeged, Hungary

AP-36

Marianne SZABÓ

The use of ETS-activity measurements in the EU ecological water qualification

Department of 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 GORNIAK

An improved method for identification of virioplankton in reservoirs

University of Warmia and Mazury, Olsztyn, Poland

AP-39

Réka ÁGOSTON¹, Csilla MOHÁCSI-FARKAS¹, Gabriella KISKÓ¹, István DALMADI²

Effects of combined treatments of map and irradiation on alfalfa sprouts

¹Department of Microbiology and Biotechnology, Corvinus University of Budapest; Budapest, Hungary;

²Department 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^{1,2}, Éva ANDRÁSSY^{1,2}, Judit BECZNER¹, Katalin POLYÁK-FEHÉR¹, Csilla MOHÁCSI-FARKAS³

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

¹Central Food Research Institute, Budapest, Hungary; ²Department of Refrigeration and Livestock Products' Technology; ³Department 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 Leon, San Nicolas, 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 Leon, San Nicolas, Mexico

AP-44

Mariann JUHÁSZ-ROMÁN¹, Zsuzsa VARGA²

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

¹Department of Microbiology and Biotechnology, Faculty of Food Sciences. Corvinus University of Budapest, Budapest, Hungary; ²Department 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 CVRČIĆ

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-SZÁNTAI¹, Judit TORNAI LEHOCZKI²

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

¹Department of Grain and Industrial Plant Technology; ²National Collection of Agricultural and Industrial Microorganisms, Corvinus University of Budapest, Budapest, Hungary

AP-48

Ildikó SZEDLJAK¹, Mariann JUHÁSZ-ROMÁN², Katalin KŐHEGYI

SZÁNTAI¹, Zsuzsanna TAR¹, Tímea NAGY¹

Microbiological features and comparison of different types of tobaccos during fermentation

¹Department of Grain and Industrial Plant Technology; ²Department of Microbiology and Biotechnology, Faculty of Food Science, Corvinus University of Budapest, Budapest

AP-49

Krisztina SZEKÉR¹, Edina CSIBRIK-NÉMETH², Szilárd KUN³, Judit BECZNER¹, Péter GÁLFI⁴

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

¹Department of Microbiology; ²Department of Biology, Central Food Research Institute, Budapest, Hungary;

³Department of Brewing and Distilling, Corvinus University Budapest, Budapest, Hungary; ⁴Department of Physiology and Biochemistry, Szent István University, Budapest, Hungary

General Informations

Registration and Information Desk

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

Tuesday,	October 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 (8360 Keszthely, Balatonpart 5.; www.danubiushotels.com/helikon).

Accommodation

Accommodation of participants is either in Hotel Helikon, or in Hotel Kristály (8360 Keszthely, Lovassy u. 20.;

http://www.balaton.hu/index.php?open_partner=1&partner_id=1088), and

Hotel Hullám (8360 Keszthely, Balatonpart 1.;

<http://www.travelport.hu/szallas/EHotel.vd?ml=31&mi=1&sub=1&xcnl12005&prf=24&lang=en>).

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 15 minutes, which include questions and discussion. The time limit will be as strictly enforced as possible. Standard audio-visual 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 audio/visual

aids etc. and resolve any problems. Please take your time to organise your presentation correctly!

Posters will be displayed in the Poster Hall for three full days. Please mount your poster as soon as possible, preferably on October 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

([http://www.akademiai.com/\(nlsgddzxtxrbzc55hcpszlqh\)/app/home/journal.asp?referrer=parent&backto=linkingpublicationresults,1:119703,1](http://www.akademiai.com/(nlsgddzxtxrbzc55hcpszlqh)/app/home/journal.asp?referrer=parent&backto=linkingpublicationresults,1:119703,1)) or in the

Food Technology and Biotechnology

(<http://public.carnet.hr/ftbrfd/>).

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.

Sponsors and Exhibitors:

Becton Dickinson Hungary Kft
Biocenter Kft
BioMarker Kft
Bio-Science Kft
Biotest Hungária Kft
Csertex Kft
Dade Behring Magyarországi Közvetlen Kereskedelmi Képviselet
Frank Diagnosztika Kft
Hain Lifescience GmbH

IZINTA Kereskedelmi Kft
Kasztel-Med Kft
Kvalitex Kft
Lab Intern Kft
Labsystem Kft
Lambda-Med Kft
LGC Promochem GmbH Magyarországi Közvetlen Kereskedelmi Képviselő
Nebotrade Kft
Roche Magyarország Kft
Vitani Kft.

Travel to Keszthely

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

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

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

From Budapest direct railway connection is available to Keszthely:

Tuesday October 25, 2005

Departure		Arrival
10.15	Budapest Keleti pályaudvar	13.47 Keszthely
16.40 (IC)	Budapest Déli pályaudvar	19.27 Keszthely

Wednesday, October 26, 2005-10-07

07.00 (IC)	Budapest Déli Pályaudvar	10.14 Keszthely
08.35	Keleti Pályaudvar	11.33 Keszthely
10.15	Keleti Pályaudvar	13.47 Keszthely

The hotels are in a 10 minutes walking distance from Keszthely Railway Station. Tuesday evening, and Wednesday morning (arrivals: 10.14, 11.33) a bus service will pick up CEFORM participants. Please look for the bus with CEFORM inscription in front of the railway station.

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

<http://www.terkepcentrum.hu/index.asp?go=map3eu&rid=1&pid=0&sx=&sy=&lx=0&ly=0&tertip=hu&cx=19.400000&cy=47.300000&z=200.000000&wgsy1=&wgsy2=&wgsl1=&wgsl2=&p1.x=42&p1.y=123>

<http://www.terkepcentrum.hu/index.asp?go=mapszarvashu2&sx=1000&sy=1000&ex=1268,61538461538&ey=3038,453333333333&tertip=szarvashu2>

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

Meals and Banquet

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 one's 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 Héviz, close to Keszthely. The small, picturesque town of Héviz is one of Europe's major spas ([Héviz Thermal Lake](#)).

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.