

**15th International Congress of the
Hungarian Society for Microbiology**

PROGRAMME

Eötvös Loránd University
Budapest, Hungary
July 18-20, 2007

PROGRAMME
of the

15th International Congress
of the

Hungarian Society for Microbiology

Organized
by the

Hungarian Society for Microbiology,
the Faculty of Science, Eötvös Loránd University,
the Hungarian Society for Immunology,
the Biotechnological Section of the Hungarian Biochemical Society,
the Hungarian Society for Infectology and Clinical Microbiology,
the Foundation of the Hungarian Society for Microbiology

Eötvös Workshops of Science Conference

Eötvös Loránd University
Budapest, Hungary
July 18-20, 2007

Programme at a glance

Tuesday, July 17	18.00-21.30	Registration
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Wednesday, July 18	7.00-17.00	Registration
Conference Hall	10.30-11.00	Opening Ceremony
	11.00-15.45	Manninger Memorial Session
Auditorium No. 1	16.00-18.30	Plenary Session – Vaccines and New Therapeutic Approaches
Roof-terrace	19.30-	Congress Banquet with the 1st Dance Competition of Microbiologists
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Thursday, July 19	8.00-13.00	Registration
Auditorium No. 1	9.00-13.00	Bacteriology Session
	14.00-17.05	Environmental Microbiology Session
Auditorium No. 2	8.30-13.00	Virology Session
	14.00-16.15	Sexually Transmitted Diseases Session
Classroom No. 1	9.00-15.45	Mycology Session
Classroom No. 2	9.00-12.35	Agricultural and Food Microbiology Session
	14.00-16.45	Industrial Microbiology Session

Classroom No. 3

10.00-12.25 Beta-lactamase Minisymposium

Poster Corridor

10.00-12.00 Environmental Microbiology Poster Session

16.00-17.30 Bacteriology Poster Session and Virology Poster Session

18.00- Start of the sightseeing at Buda Castle District at the front of Matthias Church

19.30- Organ Concert in the Matthias Church

Friday, July 20

Auditorium No. 1

8.30-11.30 Virology Session

Auditorium No. 2

9.00-10.50 Bacteriology Session

Classroom No. 1

9.00-11.45 Environmental Microbiology Session

Poster Corridor

9.00-10.30 Mycology Poster Session

10.30-12.00 Agricultural and Food Microbiology Poster Session

The Biological and Geological Collection
of the Faculty of Science,
Eötvös L. University

12.00-13.00 Visit of the Collections and Farewell drink

Detailed Programme

Wednesday, July 18

Conference Hall

10.30 Opening Ceremony

Welcome Addresses of

János Minárovits
President of the Hungarian Society for Microbiology

László Détári
Vice-Dean, Faculty of Science, Eötvös Loránd University

11.00-15.45 Manninger Memorial Session

Chairpersons: Lajos Gergely and János Minárovits

Manninger Lecture

11.00-11.30

ÉVA CZIRÓK

REMEMBRANCE: FORTY YEARS IN BACTERIOLOGY

Former Head of Bacteriology Department, National Center for Epidemiology, Budapest, Hungary

Inaugural Lectures by Honorary Members of the Hungarian Society for Microbiology

11.30-12.05

STANLEY A. PLOTKIN

NEW AND FUTURE VACCINES

University of Pennsylvania Executive Advisor, Sanofi Pasteur Doylestown, PA, USA

12.05-12.40

ILYA BOROVOK, EINAT ROTMAN, JESSICA BENHAMOU, RACHEL SCHREIBER, GERALD COHEN, ♦YAIR AHARONOWITZ

**THE B12 RIBOSWITCH-MEDIATED CONTROL OF METABOLIC PROCESSES IN
*STREPTOMYCES***

Department of Molecular Microbiology and Biotechnology, Tel Aviv University, Ramat Aviv, Tel Aviv, Israel

12.40-14.00 Lunch break

14.00-15.45

Manninger Memorial Session – Contd.

Chairpersons: József Farkas and János Minárovits

Inaugural Lectures by Honorary Members of the Hungarian Society for Microbiology

14.00-14.35

RUDOLF AMANN

**GATEKEEPERS OF THE BIOSPHERE: STUDYING MARINE MICROORGANISMS WITH
ENVIRONMENTAL GENOMICS**

Department of Molecular Ecology, Max Planck Institute of Marine Microbiology, Bremen, Germany

14.35-15.10

SEBASTIAN G. B. AMYES

SUPERBUGS: THE RECENT EXPANSION OF MULTI-ANTIBIOTIC RESISTANT BACTERIA

Centre for Infectious Diseases, University of Edinburgh, Scotland, UK

15.10-15.45

PURNENDU C. VASAVADA

RAPID METHODS AND AUTOMATION IN MICROBIOLOGY: A QUARTER CENTURY OF DEVELOPMENTS - PROMISE, PROSPECTS AND CHALLENGES

University of Wisconsin - River Falls, USA

Wednesday, July 18

Auditorium No.1

16.00-18.30 Plenary Session - Vaccines and New Therapeutic Approaches

Chairpersons: Stanley Plotkin and Eva Maria Fenyő

16.00-16.30

VTP-1

◆SUZAN SZATHMARY¹, LÁSZLÓ STIPKOVITS², PÉTER GRANDICS³

NOVEL VACCINE TECHNOLOGIES

¹GalenBio, Carlsbad, California, USA; ²Veterinary Medical Research Institute, Hungarian Academy of Sciences, Budapest, Hungary;

³Sterogene, Carlsbad, California, USA

16.30-17.00

VTP-2

◆LASZLO OTVOS JR., MARE CUDIC, GORAN KRAGOL, KRISTINA MOZDZANOWSKA, WALTER GERHARD

**FULLY SYNTHETIC PEPTIDE VACCINES TO THE ECTODOMAIN OF THE M2 PROTEIN
PROTECT MICE FROM INFLUENZA INFECTION**

The Wistar Institute and Sbarro Institute for Cancer Research and Molecular Medicine, Temple University, Philadelphia, USA

17.00-17.30

VTP-3

MATTIAS MILD^{1,2}, JOAKIM ESBJÖRNSSON^{1,2}, ◆EVA MARIA FENYŐ², PATRIK MEDSTRAND¹

**FREQUENT INTRAPATIENT RECOMBINATION BETWEEN HIV-1 R5 AND X4 ENVELOPES:
IMPLICATIONS FOR CORECEPTOR SWITCH**

¹Department of Experimental Medical Science; ²Department of Laboratory Medicine, Division of Medical Microbiology/Virology, Lund University, Lund, Sweden

17.30-17.50 Coffee break

Chairpersons: Yvette Mándi and Julius Rajčáni

17.50-18.10

VTP-4

JÚLIA LISZIEWICZ

DERMAVIR PATCH VACCINE FOR THE TREATMENT OF HIV/AIDS

Genetic Immunity, Budapest, Hungary and Washington, USA

18.10-18.40

VTP-5

YECHIEL BECKER

**HIV-1 INFECTION CAN BE PREVENTED BY DRUGS AND ADJUVANTS THAT WILL PREVENT
THE VIRAL EVASION OF THE IMMUNE RESPONSE AND RESTORE THE ADAPTIVE
IMMUNITY**

Department of Molecular Virology, Faculty of Medicine, The Hebrew University of Jerusalem, Israel

Wednesday, July 18

Roof-terrace of the Faculty of Science

19.30 Congress Banquet

The 1st Dance Competition of Microbiologists

Thursday, July 19

Auditorium No.1

9.00-13.00 Bacteriology Session

Chairpersons: Tobias Ölschläger and Béla Nagy

9.00-9.45

BOP-1

JÖRG HACKER¹, ULRICH DOBRINDT¹, ♦TOBIAS ÖLSCHLÄGER¹, ERIC OSWALD², GERHARD GOTTSCHALK³, CARMEN BUCHRIESER⁴

FROM PATHOGENICITY TO COMMENSALISM; NEW INSIGHTS INTO THE EVOLUTION OF *ESCHERICHIA COLI*

¹Institute for Molecular Biology of Infections, University of Würzburg, Germany; ²INRA-ENVT, Toulouse, France; ³Laboratory for Genome Analytics, Göttingen, Germany; ⁴Institut Pasteur, France

9.45-10.00

BOP-2

♦LEVENTE EMÖDY, ORSOLYA BENEDEK

VIRULENCE OF HUMAN PATHOGENIC *YERSINIA* SPECIES

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

10.00-10.15

BOP-3

♦ORSOLYA BENEDEK^{1,2}, SÖREN SCHUBERT²

INVESTIGATION OF THE STRUCTURE AND TRANSFER OF THE *YERSINIA* HIGH PATHOGENICITY ISLAND IN *KLEBSIELLA PNEUMONIAE*

¹Institute of Medical Microbiology and Immunology, Faculty of Medicine, University of Pécs, Hungary; ²Department of Bacteriology, Max von Pettenkofer Institute of Hygiene and Medical Microbiology, Faculty of Medicine, Ludwig-Maximilians-University, Munich, Germany

10.15-10.30

BOP-4

♦ISTVÁN TÓTH¹, JEAN-PHILIPPE NOUGAYREDE², NEIL LEDGER², ULRICH DOBRINDT³, MICHÈLE BOURY², STEFANO MORABITO⁴, JÖRG HACKER³, ERIC OSWALD³

***ESCHERICHIA COLI* CYTOLETHAL DISTENDING TOXIN (CDT) TYPE I AND TYPE IV ARE ENCODED BY RELATED PROPHAGES**

¹Veterinary Medical Research Institute, Hungarian Academy of Sciences, Budapest, Hungary; ²IHAP, INRA-ENVT, Toulouse, France; ³Institute for Molecular Biology of Infections, University Würzburg, Germany; ⁴Laboratory of Veterinary Medicine, National Institute of Hygiene, Rome, Italy

10.30-10.45

BOP-5

♦PÉTER ZSOLT FEKETE, BÉLA NAGY

PHENO AND GENOTYPIC ANALYSIS OF SGII POSITIVE *SALMONELLA TYPHIMURIUM* ISOLATES IN HUNGARY

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

10.45-11.00

BOP-6

♦GÁBOR NAGY¹, TIBOR PÁL¹, LEVENTE EMÖDY¹, JÖRG HACKER²

“GENTLY ROUGH”: OPTIMAL DOWN-REGULATION OF LPS IN RFAH MUTANTS FOR LIVE-ATTENUATED ENTEROBACTERIAL VACCINE CANDIDATES

¹Department of Medical Microbiology and Immunology, University of Pécs, Hungary; ²Institute for Molecular Biology of Infectious Diseases, University of Würzburg, Germany

11.00-11.30 Coffee break

Chairpersons: Judith Deák and Levente Emődy

11.30-11.45

BOP-7

◆NOÉMI NÓGRÁDY¹, GÁBOR KARDOS^{2,3}, ANDREA BISTYÁK², IBOLYA TURCSÁNYI², JÚLIA MÉSZÁROS⁴, ZSUZSANNA GALÁNTAI⁵, ÁGNES JUHÁSZ⁴, JUDIT PÁSZTI¹, ISTVÁN KISS²

INVESTIGATION OF *SALMONELLA* CONTAMINATION AND PRELIMINARY CHARACTERIZATION OF THE STRAINS ISOLATED FROM BROILER CHICKEN FLOCKS, CARCASSES AND MEAT PRODUCTS IN THREE EAST-HUNGARIAN FARMS

¹National Center for Epidemiology, Budapest; ²Department of Microbiology and Department of Pathology, Central Agricultural Office, Veterinary Diagnostic Directorate, Debrecen; ³Department of Medical Microbiology, University of Debrecen; ⁴Medical Officer Service Ltd, Debrecen; ⁵Hajdú-Bihar County Agricultural Office, Foodchain Safety and Animal Health Directorate, Debrecen, Hungary

11.45-12.00

BOP-8

◆ÁGNES KATALIN KOCSIS¹, FERENC SOMOGYVÁRI¹, ZOLTÁN TISZLAVIC¹, ZSUZSANNA F. KISS², PÉTER LAKATOS³, YVETTE MÁNDI¹

ASSOCIATION OF BETA-DEFENSIN-1 SINGLE NUCLEOTIDE POLYMORPHISMS WITH *HELICOBACTER PYLORI* INDUCED GASTRITIS AND WITH CROHN'S DISEASE

¹Department of Medical Microbiology and Immunobiology; ²First Department of Medicine, Albert Szent-Györgyi Medical University, Szeged; ³1st Department of Internal Medicine, Semmelweis University, Budapest, Hungary

12.00-12.15

BOP-9

◆PÉTER HOFNER¹, ZSÓFIA GYULAI¹, ZSUZSANNA F. KISS², ANDREA TISZAI³, LÁSZLÓ TISZLAVICZ⁴, DOMINIKA SZÓKE⁵, BÉLA MOLNÁR⁵, JÁNOS LONOVICS³, ZSOLT TULASSAY⁵, YVETTE MÁNDI¹

NOD1, IL-8 AND TLR4 GENETIC POLYMORPHISMS IN *HELICOBACTER PYLORI*-POSITIVE PATIENTS WITH DUODENAL ULCER OR GASTRITIS

¹Department of Medical Microbiology and Immunobiology, University of Szeged; ²Polyclinic of Szeged; ³1st Department of Internal Medicine; ⁴Department of Pathology, University of Szeged; ⁵Second Department of Internal Medicine, Semmelweis University, Budapest, Hungary

12.15-12.30

BOP-10

◆LÁSZLÓ OROSZ¹, MÁRIA KÁLMÁN¹, ISTVÁN KISS², ÁGNES JUHÁSZ³, ZSUZSANNA GALÁNTAI⁴, GYULA MUCSI¹

THE RESULTS OF COMPARING THE OCCURRENCE OF *CAMPYLOBACTER JEJUNI* SEROTYPES IN THE "FROM THE FARM TO THE FORK" PROJECT IN EASTERN HUNGARY: AN OVERVIEW

¹Southern Great Plain Regional Institute, National Public Health and Medical Officers' Services, Szeged; ²National Institute for Animals' Health, Debrecen; ³ÁNTSZ Labor Ltd, Debrecen; ⁴Animal Health and Food Control Station of Hajdú-Bihar County, Debrecen, Hungary

12.30-12.45

BOP-11

◆ANIKÓ KILÁR¹, VIKTOR FARKAS², FERENC KILÁR², BÉLA KOCSIS¹

ENDOTOXIN ANALYSIS BY ELECTROPHORESIS AND MICROCHIP TECHNOLOGY

¹Department of Medical Microbiology and Immunology; ²Institute of Bioanalysis, Faculty of Medicine, University of Pécs, Hungary

12.45-13.00

BOP-12

◆ÁGNES CSANÁDI¹, ILDIKÓ FALUDI¹, ATTILA CSORBA², TAMÁS JANÁKY², ANDRÁS MICZÁK¹

RIBONUCLEASE RNE/RNG FAMILY PROTEIN FROM *MYCOBACTERIUM SMEGMATIS*

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

Thursday, July 19

Auditorium No.1

14.00-17.05 Environmental Microbiology Session

Chairpersons: Erko Stackebrandt and Károly Mária Ligeti

14.00-14.30

EOP-1

◆ERKO STACKEBRANDT, EVELYNE BRAMBILLA, SYLVIE COUSIN

BIAS OR NOT: THE DIVERSITY OF FLAVOBACTERIA

DSMZ-German Collection of Microorganisms and Cell Cultures, Braunschweig, Germany

14.30-14.50

EOP-2

◆ERIKA TÓTH¹, VERONIKA BOHUS¹, JUDIT MAKK¹, ANNA J. SZÉKELY², KÁROLY MÁRIALIGETI^{1,2}

MICROBIAL COMMUNITY OF THE HIGH PURITY WATER SYSTEM OF A POWER PLANT

¹Department of Microbiology; ²Cooperation Research Center for the Environment, Eötvös Loránd University, Budapest, Hungary

14.50-15.10

EOP-3

◆MARCELL NIKOLAUSZ¹, ANTONIS CHATZINOTAS², MÁRTON PALATINSZKY³, GWENAEL IMFELD⁴, PAULA MARTINEZ¹, MATTHIAS KÄSTNER¹

A NOVEL MULTIPLEX TAXON-SPECIFIC SINGLE NUCLEOTIDE PRIMER EXTENSION ASSAY FOR THE DETECTION OF MICROORGANISMS

¹Department of Bioremediation; ²Department of Environmental Microbiology, UFZ Helmholtz Centre for Environmental Research, Leipzig, Germany; ³Department of Microbiology, Eötvös Loránd University, Budapest, Hungary; ⁴Department of Isotope Biogeochemistry, UFZ Helmholtz Centre for Environmental Research, Leipzig, Germany

15.10-15.25

EOP-4

◆MÁRTON PALATINSZKY¹, MARCELL NIKOLAUSZ², KÁROLY MÁRIALIGETI¹

PREFERENTIAL LIGATION DURING CLONE LIBRARY CONSTRUCTION CAUSE BIASED COMMUNITY COMPOSITION PICTURE

¹Department of Microbiology, Eötvös Loránd University, Budapest, Hungary; ²Department of Bioremediation, UFZ-Helmholtz Centre for Environmental Research, Leipzig, Germany

15.25-16.00 Coffee break

16.00-16.30

EOP-5

◆MILTON S. DA COSTA, NUNO EMPADINHAS

ACCUMULATION AND BIOSYNTHESIS OF COMPATIBLE SOLUTES IN THERMOPHILES AND HYPERTHERMOPHILES

Departamento de Bioquímica and Centro de Neurociências e Biologia Celular, Universidade de Coimbra, Portugal

16.30-16.50

EOP-6

◆GÁBOR RÁKHELY^{1,2}, JUDIT BALOGH², DÓRA LATINOVICS¹, LÍVIA S. PALÁGYI-MÉSZÁROS¹, EDIT GYÖRI¹, TÍMEA BALOGH¹,
KORNÉL L. KOVÁCS^{1,2}

INTERRELATIONSHIP BETWEEN HYDROGEN METABOLISM AND VARIOUS BIOENERGETIC PATHWAYS IN THE PURPLE SULFUR PHOTOSYNTHETIC MICROBE, *THIOCAPSA ROSEOPERSICINA*. A GENOMIC SURVEY.

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

16.50-17.05

EOP-7

ZSUZSANNA POHNER^{1,2}, TAMÁS FELFÖLDI^{1,2}, ◆BALÁZS VAJNA¹, KATALIN BARKÁCS^{2,3}, KÁROLY MÁRIALIGETI^{1,2}

EFFECT OF BIOFILM CARRIERS ON THE MICROBIAL DIVERSITY IN A “LIVING MACHINE”

¹Department of Microbiology; ²Cooperation Research Center for the Environment; ³Department of Chemical Technology and Environmental Technology, Eötvös Loránd University, Budapest, Hungary

Thursday, July 19

Auditorium No.2

8.30-13.00 Virology Session - Regulatory Mechanisms

Chairpersons: Peter Medveczky and László Ötvös

8.30-8.55

VOP-1

♦MARIA M. MEDVECZKY, SHARA N. PANTRY, PETER G. MEDVECZKY

THE MULTIFUNCTIONAL LATENCY ASSOCIATED NUCLEAR ANTIGEN AND VIRAL INTERLEUKIN 6 OF KAPOSÍ'S SARCOMA ASSOCIATED HERPESVIRUS

Department of Molecular Medicine and H. Lee Moffitt Cancer Center, University of South Florida, Tampa, USA

8.55-9.20

VOP-2

♦JÚLIUS RAJČÁNI¹, VLADIMÍRA ĎURMANOVÁ¹, MICHAL SAPÁK², JÁN KOŠOVSKÝ¹, INGEBOG REŽUCHOVÁ¹, MARCELA KÚDELOVÁ¹, MILAN BUC²

IMMUNE RESPONSE AND CYTOKINE PRODUCTION FOLLOWING IMMUNIZATION WITH EXPERIMENTAL HERPES SIMPLEX VIRUS 1 (HSV-1) VACCINES

¹Institute of Virology, Slovak Academy of Sciences; ²Department of Immunology, Medical Faculty of Comenius University, Bratislava, Slovak Republic

9.20-9.35

VOP-3

♦ANITA KOROKNAI¹, FERENC BÁNÁTI¹, GYÖRGY FEJÉR², HANS HELMUT NILLER³, DÁNIEL SALAMON¹, JÁNOS MINÁROVITS¹

ANALYSIS OF HISTONE H3 AND H4 ACETYLATION AND HISTONE H3-K4 METHYLATION AT THE LATENT EBV PROMOTER LMP-1

¹Microbiological Research Group, National Center for Epidemiology, Budapest, Hungary; ²Max-Planck Institute for Immunobiology, Freiburg, Germany; ³Institute for Medical Microbiology and Hygiene, University of Regensburg, Germany

9.35-9.50

VOP-4

♦FERENC BÁNÁTI¹, ANITA KOROKNAI¹, MÁRIA TAKÁCS², DÁNIEL SALAMON¹, HANS HELMUT NILLER³, JÁNOS MINÁROVITS¹

EFFECT OF CPG METHYLATION ON BINDING OF NUCLEAR PROTEINS TO THE EBER 1 PROMOTER OF EPSTEIN-BARR VIRUS

¹Microbiological Research Group; ²Division of Virology, National Center for Epidemiology, Budapest, Hungary; ³Institute for Medical Microbiology and Hygiene, University of Regensburg, Germany

9.50-10.05

VOP-5

♦KÁLMÁN SZENTHE¹, DÁNIEL SALAMON¹, MÁTHÉ RAVASZ¹, ZOLTÁN BÁTHORI¹, GYÖRGY FEJÉR², HANS-HELMUT NILLER³, JÁNOS MINÁROVITS¹

REGULATION OF CD23 EXPRESSION BY DNA METHYLATION AND HISTONE ACETYLATION

¹Microbiological Research Group, National Center for Epidemiology, Budapest, Hungary; ²Max-Planck-Institute of Immunobiology, Albert Ludwigs University Freiburg, Germany; ³Institute of Medical Microbiology, University of Regensburg Germany

10.05-10.20

VOP-6

♦KLÁRA MEGYERI¹, LÁSZLÓ OROSZ¹, BERNADETT KORMOS², ZSUZSANNA BATA-CSÖRGŐ², LAJOS KEMÉNY²

THE HERPES SIMPLEX VIRUS-INDUCED DEMISE OF KERATINOCYTES IS ASSOCIATED WITH A DYSREGULATED PATTERN OF P63 EXPRESSION

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

10.20-10.35

VOP-7

◆LÁSZLÓ OROSZ¹, LAJOS KEMÉNY², KLÁRA MEGYER¹

VESICULAR STOMATITIS VIRUS INFECTION TRIGGERS APOPTOSIS ASSOCIATED WITH DECREASED ΔNP63A AND INCREASED BAX LEVELS IN THE IMMORTALIZED HACAT KERATINOCYTE CELL LINE

¹Department of Medical Microbiology and Immunobiology; ²Dermatological Research Group, Hungarian Academy of Sciences and Department of Dermatology and Allergology, University of Szeged, Hungary

10.35-11.00 Coffee break

Virology Session – Persistent infections

Chairpersons: Tibor Vályi-Nagy and József Kónya

11.00-11.25

VOP-8

TIBOR VÁLYI-NAGY

ROLE OF OXIDATIVE DAMAGE IN THE PATHOGENESIS OF ACUTE AND LATENT HERPES SIMPLEX VIRUS TYPE 1 INFECTIONS OF THE NERVOUS SYSTEM

Department of Pathology, University of Illinois at Chicago, College of Medicine, Chicago, USA

11.25-11.40

VOP-9

◆KRISZTINA SZARKA¹, ANNAMÁRIA SZABÓ^{1,2}, ENIKŐ FEHÉR¹, GYÖRGYI SZLÁDEK¹, ETELKA D. TÓTH², ILDIKÓ MÁRTON², ILDIKÓ TAR²

ETIOLOGICAL ROLE OF HPV AND TTV INFECTION IN ORAL CARCINOGENESIS

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

11.40-11.55

VOP-10

ENIKŐ FEHÉR¹, JUDIT KISS^{1,2}, ILDIKÓ TAR², ◆KRISZTINA SZARKA¹

CORRELATION OF HPV PREVALENCE, CLINICAL AND PATIENT DATA IN INDIVIDUALS WITH ORAL PRECANCEROUS LESIONS

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

11.55-12.10

VOP-11

◆TAMÁS GÁLL¹, TAMÁS MAJOR^{1,2}, KRISZTINA SZARKA¹

EFFECT OF CIDOFOVIR THERAPY ON HPV COPY NUMBER IN A CASE OF JUVENILE RECURRENT RESPIRATORY PAPILLOMATOSIS

¹Department of Medical Microbiology; ²Clinic of Otorhinolaryngology and Head & Neck Surgery, Medical and Health Science Center, University of Debrecen, Debrecen, Hungary

12.10-12.25

VOP-12

ESZTER GYÖNGYÖSI, ENIKŐ FEHÉR, ANITA SZALMÁS, ◆JÓZSEF KÓNYA

ANTI-VCA IGG TITER AND SEROLOGIC MARKERS OF REACTIVATING EPSTEIN-BARR VIRUS INFECTION

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

12.25-12.40

VOP-13

◆GÁBOR KULCSÁR¹, KATINKA BELÁK², MARYLÉNE TIGNON³, FRANK KOENEN³, KATALIN FÁBIÁN¹, TÍMEA BARNA¹, RÉKA LÉVAI¹, ATTILA FARSANG¹

THE BIOLOGICAL FEATURES OF A CLASSICAL SWINE FEVER VIRUS WITH WILD BOAR ORIGIN: OUTCOMES OF A TEST IN DOMESTIC PIGS

¹Central Agricultural Office, Directorate of Veterinary Medical Products, Budapest, Hungary; ²National Veterinary Institute, Uppsala, Sweden; ³Veterinary and Agrochemical Research Centre, Bruxelles, Belgium

Thursday, July 19

Auditorium No.2

14.00-16.15 Molecular Epidemiology and Clinical Relevance of Sexually Transmitted Diseases

Chairpersons: Attila Horváth and Károly Nagy

14.00-14.05

KÁROLY NAGY

INTRODUCTION – STIS' IN DEVELOPED WORLD

Institute of Medical Microbiology, Semmelweis University, Budapest, Hungary

14.05-14.35

STD-1

ANGELIKA STARY

NUCLEIC ACID AMPLIFICATION TECHNIQUES IN THE DIAGNOSIS OF STIS'

Outpatients Centre for Diagnosis of Infectious Venero-dermatological Diseases, Vienna, Austria

14.35-14.55

STD-2

KÁROLY NAGY

SIGNIFICANCE OF HIV DRUG RESISTANCE IN THE MANAGEMENT OF AIDS

Institute of Medical Microbiology, Semmelweis University, Budapest, Hungary

14.55-15.15

STD-3

ATTILA HORVÁTH

MIGRATION AND SYPHILIS IN CENTRAL EUROPE

Department of Dermato-Venerology and Dermatooncology, Semmelweis University, Budapest, Hungary

15.15-15.35

STD-4

JUDITH DEÁK

MOLECULAR DIAGNOSTICS AND CLINICAL RELEVANCE OF *CHLAMYDIA TRACHOMATIS* INFECTIONS

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

15.35-15.55

STD-5

JOSEPH ÖNGRÁDI

GENITAL HERPES – AN UPDATE

Institute of Public Health, Semmelweis University, Budapest, Hungary

15.55-16.15

STD-6

ISTVÁN SZILLER

HPV VACCINES AND THEIR APPLICATION IN GYNECOLOGICAL PRACTICE

1st Department of Obstetrics and Gynecology, Faculty of Medicine, Semmelweis University, Budapest, Hungary

Thursday, July 19

Classroom No.1

9.00-15.45 Mycology Session

Chairpersons: Teun Boekhout and Anna Maráz

9.00-9.30

MOP-1

◆TEUN BOEKHOUT, FERRY HAGEN, MARJAN BOVERS, EIKO KURAMAE, BART THEELEN

THE EXPANDING REALM OF *CRYPTOCOCCUS NEOFORMANS*

Centraalbureau voor Schimmelcultures, Utrecht, The Netherlands

9.30-9.50

MOP-2

◆ISTVÁN PÓCSI¹, ANDREA FEKETE¹, ÁGNES GYETVAI¹, TAMÁS EMRI¹, BÉLA LENKEY¹, MIKLÓS PESTI², LEVENTE EMÓDY³, LAJOS GERGELY⁴

CONNECTION BETWEEN THE OXIDATIVE STRESS TOLERANCE AND VIRULENCE OF *CANDIDA ALBICANS* - BIOMEDICAL AND PHARMACEUTICAL CONSIDERATIONS

¹Department of Microbial Biotechnology and Cell Biology, Faculty of Science, University of Debrecen, Hungary; ²Department of General and Environmental Microbiology, Faculty of Science; ³Department of Medical Microbiology and Immunology, Medical School, University of Pécs, Hungary; ⁴Department of Medical Microbiology, Medical and Health Science Center, University of Debrecen, Hungary

9.50-10.10

MOP-3

◆PALANISAMI MANIKANDAN¹, SÁNDOR KOCSUBÉ², ILONA DÓCZI³, VENKATAPATHY NARENDRAN¹, MADHAVAN BHASKAR⁴, JÁNOS VARGA¹, ZSUZSANNA ANTAL², CSABA VÁGVÖLGYI², RAJARAMAN REVATHI¹, ERZSÉBET NAGY³, LÁSZLÓ KREDICS²

***ASPERGILLUS* KERATITIS: EPIDEMIOLOGICAL FEATURES, MOLECULAR IDENTIFICATION, ANTIFUNGAL SUSCEPTIBILITY AND CLINICAL OUTCOME AT THE ARAVIND EYE HOSPITAL IN SOUTH INDIA**

¹Aravind Eye Hospital, Tamilnadu, India; ²Department of Microbiology, Faculty of Sciences; ³Department of Clinical Microbiology and Diagnostics, Faculty of Medicine, University of Szeged, Hungary; ⁴Department of Microbiology, Coimbatore Medical College, Coimbatore, India

10.10-10.25

MOP-4

◆FERENC SOMOGYVÁRI¹, JULIANNA SERLY^{1,2}, ÁGNES FERENCZY^{1,2}, ILONA DÓCZI², CSABA VÁGVÖLGYI³, ELIZABETH NAGY², YVETTE MÁNDI¹

DIFFERENTIAL DIAGNOSTIC OPPORTUNITIES IN FUNGAL SEPSIS BY REAL-TIME PCR

¹Department of Medical Microbiology and Immunology, Faculty of Medicine, University of Szeged, Hungary; ²Institute of Clinical Microbiology, Faculty of Medicine, University of Szeged, Hungary; ³Department of Microbiology, Faculty of Sciences, University of Szeged, Hungary

10.25-10.40 Coffee break

Chairpersons: Julius Subik and István Pócsi

10.40-11.10

MOP-5

JULIUS SUBIK

MULTIDRUG RESISTANCE REGULATION IN YEAST

Department of Microbiology and Virology, Comenius University in Bratislava, Slovak Republic

11.10-11.25

MOP-6

◆ATTILA GÁCSE¹, ESZTER LÁZÁR-MOLNÁR², STEVEN C. ALMO⁴, STANLEY G. NATHENSON^{2,3}, GORDON FREEMAN⁵, JOSHUA D. NOSANCHUK^{1,2}

THE PD1/PDL COSTIMULATORY PATHWAY HAS A KEY REGULATORY ROLE IN *HISTOPLASMA CAPSULATUM* PATHOGENESIS

¹Department of Medicine; ²Microbiology and Immunology; ³Cell Biology; ⁴Biochemistry, Albert Einstein College of Medicine, Bronx, USA; ⁵Department of Medical Oncology, Dana Farber Cancer Institute, Harvard Medical School, Boston, USA

11.25-11.40

MOP-7

◆ÉVA LEITER¹, NIKOLETTA HEGEDŰS¹, FLORENTINE MARX², ISTVÁN PÓCSI¹

MECHANISM OF ACTION OF THE ANTIFUNGAL PROTEIN, PAF PRODUCED BY *PENICILLIUM CHRYSOGENUM*

¹Department of Microbial Biotechnology and Cell Biology, Faculty of Science, University of Debrecen, Hungary; ²Biocenter, Division of Molecular Biology, Innsbruck Medical University, Innsbruck, Austria

11.40-12.00

MOP-8

◆GYULA BATTÁ¹, SZABOLCS SÁNDOR¹, ULRIKE BINDER², KATALIN E. KÖVÉR³, ZOLTÁN GÁSPÁRI⁴, TERÉZ BARNA¹, ÉVA LEITER⁵, ISTVÁN PÓCSI⁵, FLORENTINE MARX²

STRUCTURE AND DYNAMICS OF THE ANTIFUNGAL PROTEIN PAF BY NMR

¹Department of Biochemistry, Centre of Arts, Humanities and Sciences, University of Debrecen, Hungary; ²Division of Molecular Biology, Biocenter, Innsbruck Medical University, Innsbruck, Austria; ³Department of Inorganic and Analytical Chemistry, Centre of Arts, Humanities and Sciences, University of Debrecen, Hungary; ⁴Institute of Chemistry, Eötvös Loránd University, Budapest, Hungary; ⁵Department of Microbial Biotechnology and Cell Biology, Centre of Arts, Humanities and Sciences, University of Debrecen, Hungary

12.00-12.30

SPONSORED PRESENTATION

HELMUT WINKELMANN

STEAM STERILIZATION TECHNOLOGY FOR LABORATORY APPLICATIONS

Systec Ltd, Wettengel, Germany and LabSystem Ltd, Budapest, Hungary

12.30-13.30 Lunch break

Chairpersons: Vladimir Mrša and Peter Raspor

13.30-14.00

MOP-9

VLADIMIR MRŠA

YEAST CELL WALL PROTEINS AND THEIR BIOTECHNOLOGICAL POTENTIAL

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

14.00-14.30

MOP-10

◆PETER RASPOR¹, NEŽA ČADEŽ¹, FRANC ČUŠ^{1,2}, DAMJANA MIKLIČ-MILEK¹

BIODIVERSITY AND FUNCTIONS OF YEAST IN GRAPE/WINE MICROBIAL COMMUNITY

¹Biotechnical Faculty, University of Ljubljana, Ljubljana, Slovenia; ²Central Laboratory, Agriculture Institute of Slovenia, Ljubljana, Slovenia

14.30-14.45

MOP-11

♦JÁNOS VARGA^{1,2}, PARAMÉE NOONIM^{1,3}, SÁNDOR KOCSUBÉ², BEÁTA TÓTH⁴, MARTIN MEIJER¹, GIANCARLO PERRONE⁵, JENS C. FRISVAD⁶, ROBERT A. SAMSON¹

POLYPHASIC TAXONOMY OF *ASPERGILLUS* SECTION *NIGRI*

¹CBS Fungal Biodiversity Centre, Utrecht, The Netherlands; ²Department of Microbiology, Faculty of Sciences, University of Szeged, Hungary; ³Department of Food Science and Technology, Agro-Industry Faculty, Kasetsart University, Bangkok, Thailand; ⁴Cereal Research non-Profit Company, Szeged, Hungary; ⁵Institute of Sciences of Food Production, CNR, Bari, Italy; ⁶Center for Microbial Biotechnology, BioCentrum-DTU, Technical University of Denmark, Kgs Lyngby, Denmark

14.45-15.00

MOP-12

♦LÓRÁNT HATVANI¹, SÁNDOR KOCSUBÉ¹, LÁSZLÓ MANCZINGER¹, ZSUZSANNA ANTAL¹, ANDRÁS SZEKERES³, IRINA S. DRUZHININA², CHRISTIAN P. KUBICEK², CSABA VÁGVÖLGYI¹, LÁSZLÓ KREDICS¹

PLEUROTUS* GREEN MOULD DISEASE: A PCR-BASED TEST FOR THE RAPID DETECTION OF THE CAUSATIVE AGENTS, *TRICHODERMA PLEUROTOPHILUM* AND *TRICHODERMA FULVIDUM

¹Department of Microbiology, University of Szeged, Hungary; ²Research Area Gene Technology and Applied Biochemistry, Institute of Chemical Engineering, Vienna University of Technology, Vienna, Austria; ³Cereal Research Non-Profit Company, Szeged, Hungary

15.00-15.15

MOP-13

♦MÓNIKA MOLNÁR¹, NANCY KLECKNER²

A STUDY ON CHROMOSOMAL INTERACTIONS AND SOMATIC PAIRING IN DIPLOID *SCHIZOSACCHAROMYCES POMBE* CELLS

¹Department of Microbial Biotechnology and Cell Biology, University of Debrecen, Hungary; ²Department of Molecular and Cellular Biology, Harvard University, Cambridge, USA

15.15-15.30

MOP-14

♦TAMÁS EMRI, ZSOLT MOLNÁR, MELINDA SZILÁGYI, ANIKÓ JUSTYÁK, TÜNDE PUSZTAHELYI, ISTVÁN PÓCSI

REGULATION OF THE EXTRACELLULAR CHITINASE AND PROTEINASES IN AUTOLYSING *ASPERGILLUS NIDULANS* CULTURES

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

15.30-15.45

MOP-15

♦ATTILA GÁCSE¹, DÁVID TRÓFA¹, WILHELM SCHÄFER², JOSHUA D. NOSANCHUK^{1,3}

TARGETED GENE DELETION IN A CLINICAL *CANDIDA PARAPSILOSIS* ISOLATE DEMONSTRATES THE ROLE OF SECRETED LIPASE IN VIRULENCE AND PATHOGENESIS

¹Department of Medicine, Albert Einstein College of Medicine, New York, USA; ²Department of Molecular Phytopathology and Genetics, Biocenter Klein Flottbek, University of Hamburg, Germany; ³Department of Microbiology and Immunology, Albert Einstein College of Medicine, New York, USA

Thursday, July 19

Classroom No.2

9.00-12.35 Agricultural and Food Microbiology Session

Chairpersons: Wilhelm Holzapfel and József Farkas

9.00-9.30

FOP-1

◆WILHELM H. HOLZAPFEL^{1,2}, LEON M.T. DICKS¹

MODERN CHALLENGES FOR THE APPLICATION OF LACTIC ACID BACTERIA FOR THE BENEFIT OF MANKIND

¹Department of Microbiology, Stellenbosch University, South Africa; ²School of Life and Food Sciences, Handong Global University, Pohang, South Korea

9.30-9.50

FOP-2

JÓZSEF FARKAS^{1,2}, CSILLA MOHÁCSI-FARKAS³

RAPID INSTRUMENTAL METHODS FOR INVESTIGATION OF MICROBIOLOGICAL CONTAMINATION OF FOODS

¹Central Food Research Institute; ²Department of Refrigeration and Livestock Products' Technology; ³Department of Microbiology and Biotechnology, Faculty of Food Science, Corvinus University of Budapest, Hungary

9.50-10.05

FOP-3

◆REYHANEH SARIRI, SHAHIN AHMADVAND

ANTIMICROBIAL ACTIVITY OF TURNIP EXTRACTS

Department of Biology, Gilan University, Rasht, Iran

10.05-10.20

FOP-4

◆GÁBOR KARDOS^{1,2}, ZSUZSANNA GALÁNTAI⁴, JÚLIA MÉSZÁROS⁴, IBOLYA TURCSÁNYI², ANDREA BISTYÁK², ÁGNES JUHÁSZ⁵, IVELINA DAMJANOVA⁶, JUDIT PÁSZTI⁶, ISTVÁN KISS¹

DIVERSITY OF THERMOTOLERANT CAMPYLOBACTERS IN CHICKEN-DERIVED ABATTOIR AND COMMERCIAL EGG SAMPLES IN A HUNGARIAN COUNTY

¹Department of Microbiology; ²Department of Pathology, Central Agricultural Office, Veterinary Diagnostic Directorate, Debrecen, Hungary; ³Department of Medical Microbiology, University of Debrecen; ⁴Hajdú-Bihar County Agricultural Office, Foodchain Safety and Animal Health Directorate, Debrecen; ⁵ÁNTSZ Laboratory Ltd, Debrecen; ⁶National Center for Epidemiology, Budapest, Hungary

10.20-10.35

FOP-5

◆TÍMEA VIZI, SZILÁRD KUN, QUANG D. NGUYEN, JUDIT M. REZESSY-SZABÓ

UTILIZATION OF PREBIOTICS BY VARIOUS BACTERIAL STRAINS

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

10.35-11.00 Coffee break

11.00-11.20

FOP-6

KASHI YECHZKEL

RAPID IDENTIFICATION OF BACTERIAL PATHOGENS IN FOOD AND WATER: ASSIGNING AN ID NUMBER TO BACTERIAL PATHOGENS

Faculty of Biotechnology and Food Engineering, The Grand Water Research Institute, Technion, Haifa, Israel

11.20-11.35

FOP-7

◆BORBÁLA BIRÓ¹, ANNA FÜZY¹, LYUDMILA P. ANTONYUK², ALEXANDER A. KAMNEV², ANDRÁS LUKÁCS¹, TAMÁS NÉMETH¹

REGULAR DYNAMICS OF PLANT-MICROBIAL COLONIZATION IN SEWAGE-SLUDGE TREATED SOILS

¹Research Institute for Soil Science and Agricultural Chemistry, Hungarian Academy of Sciences, Budapest, Hungary; ²Institute of Biochemistry and Physiology of Plants and Microorganisms, Russian Academy of Sciences, Saratov, Russia

11.35-11.50

FOP-8

◆ANTAL HEGEDŰS¹, PÉTER PACSUTA², BORBÁLA BIRÓ¹

EARLY GROWTH RETARDATION OF MYCORRHIZA-INOCULATED TOMATO, BUT BETTER YIELD FINALLY IN A SOIL FREE SYSTEM

¹Juhász Gyula Pedagogical Faculty, University of Szeged; ²BIO-deTECHt Ltd, Érd; ³Research Institute for Soil Science and Agricultural Chemistry, Hungarian Academy of Sciences, Budapest, Hungary

11.50-12.05

FOP-9

◆MARGIT A. KORBÁSZ¹, ILDIKÓ BATA-VIDÁCS¹, NÓRA SZÉKELY², HUSSEIN DAOOD³, JÓZSEF FARKAS¹, ÉVA ANDRÁSSY¹, JUDIT BECZNER¹

THE MICROBIAL CONTAMINATION OF DRIED PAPRIKA BERRIES

¹Department of Microbiology, Central Food Research Institute; ²Department of Microbiology and Biotechnology, Corvinus University of Budapest; ³Department of Analytics, Central Food Research Institute, Budapest, Hungary

12.05-12.20

FOP-10

ANNA FÜZY, TIBOR TÓTH, ◆BORBÁLA BIRÓ

MYCORRHIZAL COLONIZATION RATES AFFECTED BY DROUGHT AND SALINITY IN A MODEL EXPERIMENT

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

12.20-12.35

FOP-11

CSABA LITKEI¹, VINCE ÖRDÖG¹, ◆ILONA VILLÁNYI²

SOIL ALGAE AS POTENTIAL HYDROGEN PRODUCERS

¹Institute of Plant Sciences, Faculty of Agricultural and Food Sciences, University of West Hungary, Mosonmagyaróvár; ²Research Institute for Soil Science and Agricultural Chemistry, Hungarian Academy of Sciences, Budapest, Hungary

Thursday, July 19

Classroom No.2

14.00-16.45 Industrial Microbiology Session

Chairpersons: Christian Kubicek and Sándor Biró

14.00-14.30

IOP-1

CHRISTIAN P. KUBICEK

GENOMIC INSIGHTS INTO THE ENZYME FACTORY *HYPOCREA JECORINA* (*TRICHODERMA REESEI*)

Division of Gene Technology and Applied Biochemistry, Institute for Chemical Engineering, Vienna University of Technology, Wien, Austria

14.30-14.50

IOP-2

♦SÁNDOR BIRÓ, ZSUZSANNA BIRKÓ, ZSUZSANNA KISS

REGULATION OF SPORULATION IN *STREPTOMYCES*: THE ROLE OF FACTOR C

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

14.50-15.10

IOP-3

♦LEVENTE KARAFFA¹, ERZSÉBET FEKETE¹, CHRISTIAN P. KUBICEK², ATTILA SZENTIRMAI¹, BERNHARD SEIBOTH²

INDUCTION OF EXTRACELLULAR B-GALACTOSIDASE (BGA1) FORMATION BY D-GALACTOSE IN *HYPOCREA JECORINA* IS MEDIATED BY GALACTITOL

¹Department of Genetics and Applied Microbiology, Faculty of Science, University of Debrecen, Hungary; ²Research Area Gene Technology and Applied Biochemistry, Institute of Chemical Engineering, TU Wien, Austria

15.10-15.30

IOP-4

♦GÁBOR RÁKHELY^{1,2}, KORNÉL L. KOVÁCS^{1,2}

MICROBES FOR THE ENVIRONMENTALLY SOUND ENERGY CARRIERS

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

15.30-15.45

IOP-5

♦ERIKA KAJDÁCSI, ZSUZSA ANTUNOVICS, MATTHIAS SÍPICZKI

SELECTION OF ANTAGONISTIC YEAST FROM APPLE SURFACE MICROBIOTA

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

15.45-16.00

IOP-6

♦ERZSÉBET FEKETE¹, BERNHARD SEIBOTH², ATTILA SZENTIRMAI¹, CHRISTIAN P. KUBICEK², LEVENTE KARAFFA¹

MUTAROTATION OF D-GALACTOSE ANOMERS PLAYS A SIGNIFICANT ROLE IN THE INDUCTION OF CELLULASES BY LACTOSE IN *TRICHODERMA REESEI*

¹Department of Genetics and Applied Microbiology, Faculty of Science, University of Debrecen, Hungary; ²Research Area Gene Technology and Applied Biochemistry, Institute of Chemical Engineering, TU Wien, Austria

16.00-16.15

IOP-7

ALI MIRJALILI

MICROBIAL CONTAMINATION OF CELL CULTURES: A 2 YEARS STUDY

Cell and Gene Bank, Biotechnology Department of Razi Vaccine and Serum Research Institute (CGBRI), Hesarrak, Karaj, Iran

16.15-16.30

IOP-8

◆ATTILA ANDOR¹, †ANTÓNIA JEKKE¹, DAVID A. HOPWOOD², FERENC JEANPLONG¹, ÉVA ILKÓY¹, ATTILA KÓNYA¹, ISTVÁN KURUCZ¹, GÁBOR AMBRUS¹

MOLECULAR CHARACTERIZATION OF 3-KETOSTEROID 9 ALPHA-HYDROXYLASE IN *MYCOBACTERIUM SMEGMATIS* MC2155

¹IVAX Drug Research Institute Ltd., Budapest, Hungary; ²John Innes Centre, Norwich, UK

16.30-16.45

IOP-9

◆ORSOLYA KAPUY¹, ATTILA CSIKÁSZ-NAGY², JOHN J. TYSON³, BÉLA NOVÁK^{1,4}

MODELLING SEPTATION IN FISSION YEAST

¹Department of Applied Biotechnology and Food Science, Budapest University of Technology and Economics, Hungary; ²Microsoft Research, University of Trento Centre for Computational and Systems Biology, Trento, Italy; ³Department of Biological Sciences, Virginia Tech, Blacksburg, USA; ⁴Department of Biochemistry, Oxford Centre for Integrative Systems Biology, Oxford, UK

Thursday, July 19

Classroom No.3

10.00 – 12.25 Beta-lactamase Minisymposium

Chairpersons: Sebastian G.B. Amyes and Tibor Pál

10.00-10.05

TIBOR PÁL

WELCOME AND INTRODUCTION

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

10.05-10.25

BLS-1

GYULA MESTYÁN

DETECTION OF VARIOUS BETA-LACTAMASES

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

10.25-10.45

BLS-2

ÉVA LÁNYI

QUALITY CONTROL IN BETA-LACTAMASE DETECTION

Clinic of Pediatrics, University of Pécs, Hungary

10.45-11.05

BLS-3

♦BALÁZS LIBISCH¹, ÁKOS TÓTH¹, IVELINA DAMJANOVA², MÁRIA GACS¹, MIKLÓS FÜZI¹

TRENDS IN THE PREVALENCE RATE OF ESBL AND ACQUIRED METALLO-B-LACTAMASE PRODUCERS AMONG GRAM-NEGATIVE CLINICAL ISOLATES IN HUNGARY

¹Department of Bacteriology; ²Department of Molecular Epidemiology, National Center for Epidemiology, Budapest, Hungary

11.05-11.25

BLS-4

♦ORSOLYA DOBAY, FERENC ROZGONYI, KÁROLY NAGY

BETA-LACTAM RESISTANCE OF *STREPTOCOCCUS PNEUMONIAE*, DETECTION AND INTERPRETATION

Institute of Medical Microbiology, Semmelweis University, Budapest, Hungary

11.25-11.45

BLS-5

♦DÓRA SZABÓ, FERENC ROZGONYI, KÁROLY NAGY

ASSOCIATION OF BETA-LACTAMASE PRODUCTION WITH OTHER PARTICULARLY QUINOLONE RESISTANCE MECHANISMS

Institute of Medical Microbiology, Semmelweis University, Budapest, Hungary

11.45-12.05

BLS-6

JÓZSEF SÓKI

B-LACTAM RESISTANCE AMONG ANAEROBES

Institute of Clinical Microbiology, Faculty of Medicine, Albert Szent-Györgyi Medical and Pharmaceutical Centre, University of Szeged, Hungary

12.05-12.25

BLS-7

MARIANNE KONKOLY THEGE

**THERAPEUTIC OPTIONS FOR INFECTIONS CAUSED BY ESBL-PRODUCING
ENTEROBACTERIACEAE**

Department of Microbiology, Szt. László Hospital, Budapest, Hungary

Thursday, July 19

Poster Corridor

10.00-12.00 Environmental Microbiology Poster Session

EPP-1

◆ERZSÉBET BAKA¹, ANDRÁS TÁNCICS¹, SÁRA RÉVÉSZ¹, ISTVÁN SZABÓ², SÁNDOR SZOBOSZLAY², KÁROLY MÁRIALIGETI¹

INVESTIGATION OF A BACTERIAL COMMUNITY INVOLVED IN BTEX DEGRADATION THROUGH THE ANALYSIS OF 16S rDNA AND CATECHOL 2,3-DIOXYGENASE GENE BY T-RFLP

¹Department of Microbiology, Eötvös Loránd University, Budapest, Hungary; ²Department of Environmental Protection and Environmental Safety, Szent István University, Gödöllő, Hungary

EPP-2

◆TÍMEA BALOGH¹, JUDIT BALOGH², GÁBOR RÉKHELY^{1,2}, KORNÉL L. KOVÁCS^{1,2}

FUNCTIONAL AND TRANSCRIPTIONAL STUDY OF THE HUP GENES IN *THIOCAPSA ROSEOPERSICINA* BBS

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

EPP-3

◆VERONIKA BOHUS^{1,2}, MÁRTON SZOBOSZLAY¹, KÁROLY MÁRIALIGETI^{1,2}, ERIKA M. TÓTH^{1,2}

STUDY OF THE BACTERIAL COMMUNITY OF INDUSTRIAL COOLING WATERS BY MOLECULAR METHODS

¹Department of Microbiology; ²Environmental Research Center, Eötvös Loránd University, Budapest, Hungary

EPP-4

KLÁRA CZAKÓ-VÉR¹, ◆SÁRA RÉVÉSZ², CSILLA SIPEKY¹, KÁROLY MÁRIALIGETI²

BACTERIAL DIVERSITY OF THE RHIZOSPHERE OF *ELYMUS ELONGATUM* GROWN IN THREE DIFFERENT SOILS, TREATED WITH FERTILIZERS AND WOOD ASHES

¹Institute of Environmental Sciences, University of Pécs, Hungary; ²Department of Microbiology, Eötvös Loránd University, Budapest, Hungary

EPP-5

◆CSABA DOBOLYI, JUDIT VARGA, MÓNIKA KARABA, SÁNDOR SZOBOSZLAY, BALÁZS KRISZT

TAXONOMICAL DIVERSITY OF MYCOTA IN A PHYTOREMEDIATED CHERNOZEM RELATED TO CADMIUM AND SELENIUM LOADING

Department of Environmental Protection and Environmental Safety, Szent István University, Gödöllő, Hungary

EPP-6

◆KRISZTIÁN HALÁSZ¹, ANDRÁS GEŐSEL¹, NOÉMI LUKÁCS¹, ZOLTÁN BRATEK², ZOLTÁN ILLYÉS²

APPLYING SYMBIOTIC FUNGI TO GERMINATE HUNGARIAN NATIVE ORCHIDS

¹Department of Plant Physiology and Plant Biochemistry, Corvinus University of Budapest, Hungary; ²Department of Plant Physiology and Molecular Plant Biology, Eötvös Loránd University, Budapest, Hungary

EPP-7

◆ZALÁN G. HOMONNAY^{1,2}, JUDIT MAKK¹, KÁROLY MÁRIALIGETI^{1,2}, ERIKA M. TÓTH¹

COMPARATIVE BACTERIOLOGICAL INVESTIGATIONS ON THE DRINKING WATER NETWORK OF BUDAPEST

¹Department of Microbiology; ²Cooperation Research Center for the Environment, Eötvös Loránd University, Budapest, Hungary

EPP-8

◆BEATRIX KAPUSINSZKY¹, ANITA KERN², ZSÓFIA BARNA², KATALIN SZOMOR¹, GYÖRGY BERENCSI¹, MÁRTA VARGHA²

DETECTION OF VIRUSES IN HUNGARIAN SURFACE WATERS

¹Virology Department, National Center for Epidemiology; ²Department of Water Hygiene, National Institute for Environmental Health, Budapest, Hungary

EPP-9

◆EDIT KASZAB, SÁNDOR SZOBOSZLAY, BÉLA ATZÉL, MÁTYÁS CSERHÁTI, ISTVÁN SZABÓ, BALÁZS KRISZT

THE IMPORTANCE OF MULTIRESISTANT *PSEUDOMONAS AERUGINOSA* ON BIOREMEDIATED SITES

Department of Environmental Protection and Environmental Safety, Szent István University, Gödöllő, Hungary

EPP-10

◆BERNADETT KHAYER, GITTA SZABÓ, ANDREA K. BORSODI, KÁROLY MÁRIALIGETI

CULTIVATION BASED BACTERIAL DIVERSITY OF THE SEDIMENT OF LAKE BALATON

Department of Microbiology, Eötvös Loránd University, Budapest, Hungary

EPP-11

◆BENCE KISS¹, BRIGITTA BERTA^{1,2}, ANNA J. SZÉKELY^{1,2}, IMRE GYARMATI³, KÁROLY MÁRIALIGETI^{1,2}

MONITORING THE EFFECT OF TEMPERATURE INCREASE ON THE BIOGAS PRODUCING MICROBIAL COMMUNITY BY MOLECULAR METHODS

¹Department of Microbiology; ²Cooperation Research Center for the Environment, Eötvös L. University, Budapest; ³Budapest Sewage Works Ltd, South-Pest Wastewater Treatment Plant, Budapest, Hungary

EPP-12

BALÁZS KRISZT¹, ◆MÁTYÁS CSERHÁTI¹, SÁNDOR SZOBOSZLAY¹, ANDRÁS TÁNCICS², KÁROLY MÁRIALIGETI², ISTVÁN NAGY³, JÓZSEF KUKOLYA⁴

CLONING AND EXPRESSION OF CATECHOL 1,2 DIOXYGENASES FROM *RHODOCOCCUS GLOBERULUS* AK36 AND *R. RHODOCHROUS* AK40 STRAINS

¹Department of Environmental Protection and Environmental Safety, Szent István University, Gödöllő, Hungary; ²Department of Microbiology, Eötvös Loránd University, Budapest, Hungary; ³Department of Structural Biology, Max Planck Institute of Biochemistry, Martinsried by Munich, Germany; ⁴Agruniver Holding Ltd., Gödöllő, Hungary

EPP-13

◆GABRIELLA MÁTHÉ-GÁSPÁR¹, TIBOR SZILI-KOVÁCS¹, TÜNDE TAKÁCS¹, EMESE SIPTER², PÉTER MÁTHÉ³, ATTILA ANTON¹

ENVIRONMENTAL IMPACT OF SOIL POLLUTION WITH TOXIC ELEMENTS

¹Research Institute for Soil Science and Agricultural Chemistry, Hungarian Academy of Sciences, Budapest, Hungary; ²Department of Labour and Environmental Health, Semmelweis University, Budapest, Hungary; ³Károly Róbert College, Gyöngyös, Hungary

EPP-14

◆ROLAND MISETA, MÁRTON PALATINSZKY, KÁROLY MÁRIALIGETI, ANDREA K. BORSODI

BACTERIAL COMMUNITIES OF THERMAL-KARSTIC SPRINGS OF SOUTH TRANSDANUBIUM

Department of Microbiology, Eötvös Loránd University, Budapest, Hungary

EPP-15

ZSUZSANNA NÉMETH

MICROBICIDAL ACTIVITY OF NEW DISINFECTANTS - EXPERIENCES OF TESTING FOR FOOD INDUSTRY USE

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

EPP-16

◆MARCELL NIKOLAUSZ¹, MÁRTON PALATINSZKY², ANNA RUSZNYÁK², HANS-HERMANN RICHNOW³, UWE KAPPELMEYER¹, MATTHIAS KÄSTNER¹

NOVEL APPROACH USING SUBSTRATE-MEDIATED RADIOLABELLING OF RNA TO LINK METABOLIC FUNCTION WITH STRUCTURE OF MICROBIAL COMMUNITIES

¹Department of Bioremediation, UFZ Helmholtz Centre for Environmental Research, Leipzig, Germany; ²Department of Microbiology, Eötvös Loránd University, Budapest, Hungary; ³Department of Isotope Biogeochemistry, UFZ Helmholtz Centre for Environmental Research, Leipzig, Germany

EPP-17

◆GYULA OROSZ^{1,2}, JÓZSEF KLEM¹, ÉVA KLEMENT³, RÓBERT CSÁKI¹, KATALIN F. MEDZIHRADESKY³, KORNÉL L. KOVÁCS^{1,2}

PHOSPHOPROTEOME ANALYSIS ON THE COPPER REGULATION OF METHANE MONOOXYGENASES IN *METHYLOCOCCUS CAPSULATUS* (BATH)

¹Department of Biotechnology, University of Szeged; ²Institute of Biophysics; ³Mass Spectrometry Facility, BRC HAS, Szeged, Hungary

EPP-18

JUDIT PAPP

COMPARATIVE STUDIES ON THE COMPOSITION AND CATABOLIC PROFILE OF PHYLLOSHERE COMMUNITIES OF CATTAIL PLANTS GROWN ON UNPOLLUTED AND POLLUTED SITES

Department of Microbiology, Babes-Bolyai University, Cluj-Napoca, Romania

EPP-19

◆ENIKŐ SAJBEN¹, ZSUZSANNA ANTAL¹, LÁSZLÓ MANCZINGER¹, ADRIENN NAGY², CSABA VÁGVÖLGYI¹

TAXONOMICAL AND PHYSIOLOGICAL INVESTIGATION OF *BACILLUS* STRAINS ANTAGONISTIC TO OYSTER MUSHROOM PATHOGENIC PSEUDOMONADS

¹Department of Microbiology, Faculty of Sciences, University of Szeged, Hungary; ²Pilze-Nagy Ltd, Kecskemét, Hungary

EPP-20

◆ISTVÁN SZABÓ¹, SÁNDOR SZOBOSZLAY¹, BÉLA ATZÉL¹, MÁTYÁS CSERHÁTI¹, SÁNDOR RÚZS-MOLNÁR², BALÁZS KRISZT¹

TESTS OF MICROBIOLOGICAL HYDROCARBON DEGRADATION ON CONTAMINATED GROUNDWATER SAMPLES

¹Department of Environmental Protection and Environmental Safety, Szent István University, Gödöllő, Hungary; ²Agruniver Holding Ltd, Gödöllő, Hungary

EPP-21

◆TIBOR SZILI-KOVÁCS¹, DANA ELHOTTOVÁ²

GLUCOSE INDUCED RESPIRATION IN CLAY SUBSTRATES DURING SUCCESSION ON A COLLIERY HEAP

¹Research Institute for Soil Science and Agricultural Chemistry, Hungarian Academy of Sciences, Budapest, Hungary; ²Institute of Soil Biology, Academy of Sciences of the Czech Republic, České Budějovice, Czech Republic

EPP-22

◆TIBOR SZILI-KOVÁCS¹, IMRE CSERNI², KRISZTINA R. VÉGH¹, KÁLMÁN RAJKAI¹, TAMÁS NÉMETH¹

FERTILIZER EFFECT ON CARBON DYNAMICS OF THREE DIFFERENT TEXTURE SOILS UNDER TOMATO

¹Research Institute for Soil Science and Agricultural Chemistry of the Hungarian Academy of Sciences, Budapest, Hungary; ²Faculty of Horticulture, Kecskemét College, Kecskemét, Hungary

EPP-23

SÁNDOR SZOBOSZLAY¹, ◆BÉLA ATZÉL¹, SÁNDOR RÚZS-MOLNÁR², ERIKA TÓTH³, JÓZSEF KUKOLYA², BALÁZS KRISZT¹

***CHRYSEOBACTERIUM HUNGARICUM* SP. NOV., ISOLATED FROM HYDROCARBON CONTAMINATED SOIL**

¹Department of Environmental Protection and Environmental Safety, Szent István University, Gödöllő, Hungary; ²Agruniver Holding Ltd, Gödöllő, Hungary; ³Department of Microbiology, Eötvös L. University, Budapest, Hungary

EPP-24

◆ÁKOS TÓTH¹, ANITA MOHR¹, ÉVA MÉSZÁROS¹, CSABA ROMSICS¹, TAMÁS RIKKER², KÁROLY MÁRIALIGETI¹, SÁRA RÉVÉSZ¹

MICROBIAL COMMUNITY ANALYSIS OF TCE CONTAMINATED SITES AND TECHNOLOGY IMPROVEMENT FOR ENHANCED BIOREMEDIATION

¹Department of Microbiology, Eötvös Loránd University, Budapest, Hungary; ²Dr. E. Wessling Chemical Laboratory Ltd, Budapest, Hungary

EPP-25

◆KAROLINA VARGA¹, ÉVA MÉSZÁROS¹, ANITA MOHR¹, CSABA ROMSICS¹, TAMÁS RIKKER², KÁROLY MÁRIALIGETI¹, SÁRA RÉVÉSZ¹

PROKARYOTE DIVERSITY OF TCE CONTAMINATED SITES IN HUNGARY

¹Department of Microbiology, Eötvös Loránd University, Budapest, Hungary; ²Dr. E. Wessling Chemical Laboratory Ltd., Budapest, Hungary

EPP-26

◆DIÁNA VIRÁG, ZOLTÁN NAÁR, ATTILA KISS

INVESTIGATION OF POTENTIAL BIOLOGICAL IMPACT OF DISTINCTIVE PESTICIDES AND THEIR DEGRADATES

Egerfood Regional Knowledge Centre, Eszterházy Károly College, Eger, Hungary

EPP-27

◆TAMÁS TAUBER^{1,2}, KATALIN KÉKESI³, IMRE GYARMATI⁴, KÁROLY MÁRIALIGETI^{1,2}, ERIKA M. TÓTH¹

EFFECT OF TEMPERATURE INCREASE ON BACTERIA COMMUNITY OF A SLUDGE DIGESTER DETECTED BY CHEMOTAXONOMICAL METHODS

¹Department of Microbiology; ²Cooperation Research Center for the Environment; ³Department of Physiology and Neurobiology, Eötvös Loránd University, Budapest, Hungary; ⁴Budapest Sewage Works Ltd, South-Pest Wastewater Treatment Plant, Budapest, Hungary

16.00-17.30 Bacteriology Poster Session

BPP-1

RAZIEH P. JAKTAJI

RNA POLYMERASE MODULATION AND TRANSCRIPTION ACTIVITY

Department of Biology, Faculty of Science, The University of Shahrekord, Shahrekord, Iran

BPP-2

◆BOGLÁRKA SELLYEI¹, ZSUZSANNA VARGA¹, ÉVA IVANICS², TIBOR MAGYAR¹

DIVERSITY OF AVIAN *PASTEURELLA MULTOCIDA* ISOLATES IN HUNGARY

¹Veterinary Medical Research Institute, Hungarian Academy of Sciences; ²Central Agricultural Office, Veterinary Diagnostic Directorate, Budapest, Hungary

BPP-3

◆KATALIN JÁNOSI¹, LÁSZLÓ MAKRAI¹, ISTVÁN HAJTÓS¹, JÁNOS VARGA¹, ATTILA E. TIRIÁN², LÁSZLÓ FODOR¹

COMPARATIVE STUDY OF THE METABOLIC FINGERPRINT OF *HISTOPHILUS SOMNI* STRAINS ISOLATED FROM FARM ANIMALS

¹Department of Microbiology and Infectious Diseases; ²Department of Animal Hygiene, Herd-health and Veterinary Ethology, Faculty of Veterinary Science, Szent István University, Budapest, Hungary

BPP-4

◆ZSUZSANNA SCHELZ¹, KATALIN VERES², ERZSÉBET VARGA², JÓZSEF MOLNÁR¹

REVERSAL OF MULTIDRUG RESISTANCE BY ESSENTIAL OIL COMPONENTS

¹Department of Medical Microbiology and Immunobiology, Faculty of Medicine; ²Department of Pharmacognosy, Faculty of Pharmacy, University of Szeged, Hungary

BPP-5

◆BÁLINT TRESÓ¹, ZOLTÁN KIS¹, ÁKOS TÓTH¹, VALÉRIA ENDRÉSZ², KATALIN BURIÁN², MÁRIA TAKÁCS¹, ÉVA GÖNCZÖL¹

COMPARISON OF BACTERIAL GENE EXPRESSION AND PRODUCTION OF INFECTIOUS PARTICLES IN HEP-2 CELLS TREATED WITH PENICILLIN AND INFECTED EITHER WITH A RESPIRATORY OR A VASCULAR STRAIN OF *CHLAMYDOPHILA PNEUMONIAE*

¹Division of Virology, National Center for Epidemiology, Budapest, Hungary; ²Department of Medical Microbiology and Immunobiology, University of Szeged, Szeged, Hungary

BPP-6

◆MÓNKA KERÉNYI¹, BÉLA SEBŐK², HEATHER E. ALLISON³, TIBOR PÁL¹, IMRE SCHNEIDER⁴, FERENC HARANGI⁵

CHARACTERIZATION OF *STAPHYLOCOCCUS AUREUS* STRAINS COLLECTED FROM PATIENTS WITH ATOPIC DERMATITIS IN HUNGARY

¹Department of Medical Microbiology and Immunology, Faculty of Medicine, Pécs University; ²Section of Dermatology, Dorozsmai & Co Medical Ltd, Pécs, Hungary; ³Microbiology Research Group, School of Biological Sciences, Division of Integrative Biology, University of Liverpool, Liverpool, United Kingdom; ⁴Dermatology Department, Faculty of Medicine, University of Pécs, Hungary; ⁵Kerpel-Fronius Ödön Children's Hospital, Pécs, Hungary

BPP-7

◆TÜNDE KISS¹, EIRWEN MORGAN², GÁBOR NAGY¹

CONTRIBUTION OF *SPI-4* GENES TO THE VIRULENCE OF *SALMONELLA ENTERICA*

¹Department of Medical Microbiology and Immunology, University of Pécs, Hungary; ²Division of Microbiology, Institute for Animal Health, Compton, Nr Newbury, Berkshire, United Kingdom

BPP-8

◆ZOLTÁN TIGYI¹, WIEBKE GÄHRS², LEVENTE EMÖDY¹, JOSEF MAKOVITZKY²

TOPO-OPTICAL INVESTIGATION OF SUGAR CHAINS AND SIALIC ACID ON BACTERIAL CELL SURFACE DURING THE PHAGOCYTOSIS OF ENCAPSULATED AND NON-ENCAPSULATED *KLEBSIELLA PNEUMONIAE* IN MOUSE

¹Department of Medical Microbiology and Immunology, Faculty of Medicine, University of Pécs, Hungary; ²Department of Obstetrics and Gynaecology, University of Rostock, Rostock, Germany

BPP-9

◆ZSUZSANNA GUBA^{1,2}, ÁGNES KUSTÁR², ILDIKÓ SZIKOSSY², ÁGNES MAJOR³, KÁROLY NAGY⁴, ILDIKÓ PAP², TAMÁS ZEKE⁵

AMPLIFICATION OF DNA FRAGMENTS FROM NEOLITHIC AND MUMMIFIED REMAINS

¹Laboratory of Molecular Anthropology; ²Department of Anthropology; ³Laboratory of Molecular Taxonomy, Hungarian Natural History Museum; ⁴Department of Medical Microbiology; ⁵Department of Molecular Biology and Pathobiochemistry, Semmelweis Medical University, Budapest, Hungary

BPP-10

◆GYÖRGY SCHNEIDER^{1,2}, ÁGNES SONNEVEND³, LEVENTE EMÖDY², BÉLA NAGY¹, TIBOR PÁL²

VARIATION OF HUMAN *CAMPYLOBACTER JEJUNI* STRAINS ISOLATED IN THE SOUTHERN REGION OF HUNGARY

¹Veterinary Medical Research Institute, Hungarian Academy of Science, Budapest; ²Department of Medical Microbiology and Immunology, University of Pécs; ³Southern Trans-Regional Public Health Institute, Pécs, Hungary

BPP-11

LAJOS SZENTE, ÉVA FENYVESI, ILONA KOLBE, ◆LÁSZLÓ PÁNCZÉL

SERUM-FREE CULTURE MEDIA BASED ON CYCLODEXTRIN/LIPID COMPLEXES

Cyclolab R&D Laboratory Ltd, Budapest, Hungary

BPP-12

◆ZSUZSANNA TAPASZTI¹, PETRA FORGÁCH¹, CSABA KÓVÁGÓ¹, LÁSZLÓ BÉKÉSI¹, TAMÁS BAKONYI¹, MIKLÓS RUSVAI²

DETECTION OF THE MICROSPORIDIAN PARASITE *NOSEMA CERANAE* IN EUROPEAN HONEYBEE (*APIS MELLIFERA* L.) COLONIES IN HUNGARY

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

16.00-17.30 Virology Poster Session

VPP-1

◆KRISZTIÁN BÁNYAI¹, ELEONORA LORUSSO², ALESSANDRA CAVALLI², CANIO BUONAVOGLIA², ANTONIO LAVAZZA³, VITO MARTELLA²

IDENTIFICATION OF NEW GROUP C ROTAVIRUS STRAINS IN PIGLETS

¹Regional Laboratory of Virology, Baranya County Institute of State Public Health Service, Pécs, Hungary; ²Department of Animal Health and Well-being, University of Bari, Italy; ³Istituto Zooprofilattico Sperimentale di Lombardia/Emilia Romagna, Brescia, Italy

VPP-2

◆KRISZTIÁN BÁNYAI^{1,2}, ÁGNES BOGDÁN^{1,2}, BRIGITTA LÁSZLÓ³, GERTRUD DOMONKOS¹, PÉTER MOLNÁR⁴, ILONA MIHÁLY⁴, JÓZSEF KÓNYA³, VITO MARTELLA⁵, GYÖRGY SZÜCS^{1,2}

THE LAST 3 YEARS OF NATIONAL ROTAVIRUS STRAIN SURVEILLANCE ACTIVITY IN THE PREVACCINE ERA (2003-2006): FIRST DETECTION OF SEROTYPE G8 AND G12 ROTAVIRUSES IN HUNGARY

¹Regional Laboratory of Virology, Baranya County Institute of State Public Health Service, Pécs; ²Department of Medical Microbiology and Immunology, Faculty of Medicine, University of Pécs; ³Department of Medical Microbiology, Medical and Health Science Center, University of Debrecen; ⁴Laboratory for Diagnostic Virology, "Szent. László" Central Hospital for Infectious Diseases, Budapest, Hungary; ⁵Department of Animal Health and Well-Being, University of Bari, Italy

VPP-3

◆ENIKÓ BARABÁS-HAJDU, LILLA IBOLYA TOMOS, ZOLTÁN KOVÁCS

OCCURRENCE OF CYTOMEGALOVIRUS INFECTION IN THE MURES COUNTY HOSPITAL LABORATORY'S MATERIAL

Department of Microbiology, University of Medicine and Pharmacy, Tg.- Mures, Romania

VPP-4

MÁRTA CSIRE¹, ◆BERNADETT PÁLYI¹, GÁBOR MIKALA², ISTVÁN VÁLYI-NAGY³, IMRE CSEH⁴, VILMOS FÜLÖP⁴, MÁRTA BENCZIK⁵, CSABA JENY⁵, TIBOR TAKÁCS⁵, YOUNES SALEH ALI¹, ERZSÉBET BARCSAY¹, MÁRIA TAKÁCS¹, GYÖRGY BERENCSI¹, MÁRIA VISY⁶

SYMPTOMLESS REACTIVATION OF LYMPHOTROPIC HERPESVIRUSES, PAPILOMAVIRUSES AND TT VIRUS IN HEALTHY PREGNANTS BEFORE PARTURITION IN HUNGARY

¹Division of Virology, National Center for Epidemiology, Budapest, Hungary; ²Department of Haematology and Stem Cell Transplantation; ³1st Department of Internal Medicine; ⁴Department of Obstetrics and Gynaecology, National Medical Center; ⁵GenoID Molecular Diagnostics Laboratory Ltd, Budapest, Hungary; ⁶2nd Clinic for Pediatrics, Semmelweis University of Medicine, Budapest, Hungary

VPP-5

◆JUDITH DEÁK, VERA PAPP, MARIANNA ÁBRÓK PAPP, BEATRIX KELE

DETECTION OF EPSTEIN-BARR VIRUS IN DISEASES OTHER THAN INFECTIOUS MONONUCLEOSIS, BY QUALITATIVE AND QUANTITATIVE REAL-TIME PCR

Department of Clinical Microbiology, University of Szeged, Hungary

VPP-6

◆KRISZTIÁN HALÁSZ¹, ANDRÁS GEŐSEL¹, MELINDA BRAY², JÓZSEF SZARVAS², CSABA HAJDÚ², NOÉMI LUKÁCS¹

DETECTING VIRUSES IN CULTIVATED AND WILD *AGARICUS* SPECIES BY dsRNA-IMMUNOBLOTTING

¹Department of Plant Physiology and Plant Biochemistry, Corvinus University of Budapest, Hungary; ²Strain Research and Molecular Biological Laboratory, Korona Spawn Factory, Demjén, Hungary

VPP-7

◆BEATRIX KELE, MARIANNA PAPPNÉ ÁBRÓK, JUDITH DEÁK

EPIDEMIOLOGICAL IMPORTANCE OF SPORADIC HUMAN CALICIVIRUSES

Department of Clinical Microbiology, University of Szeged, Hungary

VPP-8

◆KLÁRA MEGYER¹, GYÖRGY SEPRÉNYI², ENIKŐ SONKOLY³, YVETTE MÁNDI¹, LAJOS KEMÉNY³, ÉVA GALLYAS⁴

VESICULAR STOMATITIS VIRUS INDUCES APOPTOSIS ASSOCIATED WITH DECREASED BCL-2 AND INCREASED P18 BAX LEVELS IN THE WONG-KILBOURNE DERIVATIVE OF THE CHANG CONJUNCTIVAL CELL LINE

¹Department of Medical Microbiology and Immunobiology; ²Department of Medical Biology; ³Department of Dermatology and Allergology; ⁴Department of Ophthalmology, University of Szeged, Hungary

VPP-9

◆TAMÁS KOVÁCS^{1,2}, MIKLÓS OLDAL², GYÖRGY SCHNEIDER^{3,4}

TREATMENT OF FIRE BLIGHT BY BACTERIOPHAGES

¹Bioplex Ltd, Pécs; ²Enviroinvest-Waste Ltd, Szekszárd; ³Veterinary Medical Research Institute, Hungarian Academy of Sciences, Budapest; ⁴Department of Medical Microbiology and Immunology, University of Pécs, Hungary

VPP-10

LÁSZLÓ KUCSERA

THE HISTORY OF THE ERADICATION PROGRAM AGAINST SYLVATIC RABIES IN HUNGARY

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

VPP-11

JELA MISTRÍKOVÁ¹, ANNA CHALUPKOVÁ¹, ZUZANA HRABOVSKÁ¹, MÁRIA HRICOVÁ¹, MIROSLAVA ŠUPOLÍKOVÁ¹, ◆JÚLIUS RAJČÁNI²

COMPARISON OF PATHOGENIC PROPERTIES OF FIVE MURID HERPESVIRUS 4 (MUHV 4) ISOLATES POSSESSING DNA DELETIONS AS RELATED TO THE PROTOTYPE MOUSE HERPESVIRUS (MHV-68) GENOME

¹Department of Microbiology and Virology, Faculty of Natural Sciences, Comenius University, Bratislava, Slovakia; ²Institute of Virology, Slovak Academy of Sciences, Bratislava, Slovakia

VPP-12

◆ANITA SZEGŐ¹, NATASHA ENÜNÜ², DORINA VELICEASA², SACHIN DESMUKH², HONGMEI SUN^{1,3}, LÁSZLÓ SZILÁK², NOÉMI LUKÁCS^{1,2}

SEQUENCE COMPARISON OF RNA-DEPENDENT RNA-POLYMERASES INDICATES DIFFERENT ORIGIN OF BEET CRYPTIC VIRUS 1 AND -2

¹Department of Molecular Plant Physiology and Plant Biochemistry, Corvinus University of Budapest, Hungary; ²Institute of Plant Biology, Biological Research Center, Szeged, Hungary; ³College of Horticulture, Shenyang Agricultural University, Shenyang, China

VPP-13

◆MÁRIA TAKÁCS¹, ÁGNES DENC¹, CSENGE CSISZÁR¹, ERZSÉBET RUSVAI¹, VILMOS PÁLFI², GYÖRGY BERENCSI¹

PREVALENCE OF TTV AND HEV IN SWINES AND PIGLETS IN HUNGARY

¹Division of Virology, National Center for Epidemiology, Budapest, Hungary; ²Central Veterinary Institute, Budapest, Hungary

VPP-14

◆DÓRA TOMBÁ CZ, EMESE PÁSTI, IRMA TAKÁCS, KAMILL BÁLINT, BOTOND ROSKA, JUDIT TÓTH, ZSOLT BOLDOGKŐI

DEVELOPMENT OF PSEUDORABIES VIRUS-BASED TRANSSYNAPTIC GENE DELIVERY VECTORS

Department of Biology, Faculty of Medicine, University of Szeged, Hungary

VPP-15

◆TIBOR FARKAS¹, SÁNDOR KECSKEMÉTI¹, GÁBOR KARDOS^{1,2}, SÁNDOR BELÁK³, ISTVÁN KISS¹

DEVELOPMENT OF RT-PCR DETECTION ASSAYS FOR AVIAN INFLUENZA AND NEWCASTLE DISEASE VIRUSES

¹Department of Microbiology, Veterinary Diagnostic Directorate, Central Agricultural Office; ²Departments of Medical Microbiology, University of Debrecen, Hungary; ³Department of Virology, National Veterinary Institute and Swedish Agricultural University, Uppsala, Sweden

VPP-16

MONIKA VALOVIČOVÁ, PETRA BELVONČÍKOVÁ, ZUZANA HALÁSOVÁ, ♦JÚLIUS RAJČÁNI, MARCELA KÚDELOVÁ

MAPPING OF THE LEFT END OF MURINE HERPESVIRUS 72 (MHV-72) GENOME

Institute of Virology, Slovak Academy of Sciences, Dúbravská cesta 9, Bratislava, Slovakia

Friday, July 20

Auditorium No.1

8.30-11.30 Virology Session – Methodological Developments

Chairpersons: Miklós Rusvai and János Minárovits

8.30-8.45

VOP-14

◆ZOLTÁN DEMETER, ELENA ALINA PALADE, MIKLÓS RUSVAI

DEVELOPMENT OF A MULTIPLEX RT-PCR TEST FOR THE SIMULTANEOUS DETECTION OF SOME OF THE MAJOR RESPIRATORY VIRAL PATHOGENS OF THE DOG

Department of Pathology and Forensic Veterinary Medicine, Faculty of Veterinary Science, Szent István University, Budapest, Hungary

8.45-9.00

VOP-15

◆TIBOR FARKAS¹, ZOLTÁN PÉNZES², TAMÁS MATÓ², VILMOS PALYA², ISTVÁN KISS¹

SPECIFIC DETECTION OF AVIAN INFECTIONOUS BRONCHITIS VIRUS SEROTYPE MASSACHUSETTS BY REAL-TIME RT-PCR

¹Department of Microbiology, Veterinary Diagnostic Directorate, Central Agricultural Office, Debrecen; ²R&D Virology, CEVA-Phylaxia Veterinary Biologicals Co., Budapest, Hungary

9.00-9.15

VOP-16

ZSOLT BOLDOGKÓI

HERPESVIRUS-MEDIATED DELIVERY OF FLUORESCENT ACTIVITY MARKER GENES TO NEURONS

Department of Biology, Faculty of Medicine, University of Szeged, Hungary

9.15-9.30

VOP-17

◆GYULA BALKÁ¹, ÁKOS HORNYÁK², RÉKA LÉVAI³, TÍMEA BARNA³, GÁBOR KULCSÁR³, MIKLÓS RUSVAI¹

TRANSMISSION OF A MODIFIED LIVE VIRUS VACCINE FROM VACCINATED TO NONVACCINATED PIGS

¹Department of Pathology and Forensic Veterinary Medicine; ²Department of Microbiology and Infectious Diseases, Faculty of Veterinary Science, Szent István University, Budapest; ³Institute for Veterinary Medical Products, Budapest, Hungary

9.30-9.45

VOP-18

◆CSABA KÖVÁGÓ¹, ZSUZSANNA TAPASZTI¹, MIKLÓS RUSVAI²

CHANGES IN THE SEROPREVALENCE OF BOVINE VIRAL DIARRHOEA VIRUS (BVDV) IN HUNGARY

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

9.45-10.00

VOP-19

BRIGITTA LÁSZLÓ, ENIKŐ FEHÉR, JÓZSEF KÓNYA, ◆ANITA SZALMÁS

METHYLATION CASSETTE ASSAY TESTING FOR INACTIVATION OF HUMAN IL-10 PROXIMAL PROMOTER

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

10.00-10.30 Coffee break

10.30-11.30 Virology Session – Phylogenetics and epidemiology

Chairpersons: Balázs Harrach and Mária Takács

10.30-10.45

VOP-20

◆LÁSZLÓ KISS^{1,2}, ENDRE SEBESTYÉN³, EMESE LÁSZLÓ¹, PÁL SALAMON⁴, ERVIN BALÁZS³, KATALIN SALÁNKI¹

NUCLEOTIDE SEQUENCE ANALYSIS OF PEANUT STUNT VIRUS RP ISOLATE, PROVE THE ROLE OF RECOMBINATION IN CUCUMOVIRUS EVOLUTION

¹Agricultural Biotechnology Center, Gödöllő, Hungary; ²Department of Plant Pathology, Corvinus University of Budapest, Hungary; ³Agricultural Research Institute, Hungarian Academy of Sciences, Martonvásár, Hungary; ⁴Fitoteszt Bt., Berkesz, Hungary

10.45-11.00

VOP-21

◆PETRA FORGÁCH¹, TAMÁS BAKONYI^{1,2}, ARMIN DEUTZ³, NORBERT NOWOTNY²

PREVALENCE OF HEPATITIS E VIRUS ANTIBODIES IN OCCUPATIONAL GROUPS WITH DIFFERENT EXPOSURE TO SWINE

¹Department of Microbiology and Infectious Diseases, Faculty of Veterinary Science, Szent István University, Budapest, Hungary; ²Zoonoses and Emerging Infections Group, Clinical Virology, Clinical Department of Diagnostic Imaging, Infectious Diseases and Clinical Pathology, University of Veterinary Medicine, Vienna, Austria, ³District Veterinarian, Murau, Styria, Austria

11.00-11.15

VOP-22

◆GYÖZŐ L. KAJÁN¹, ANDREW J. DAVISON², BALÁZS HARRACH¹, VILMOS PALYA³, TIBOR PAPP¹, RAJMUND STEFANCSIK¹, MÁRIA BENKŐ¹

SEQUENCING AND COMPARATIVE ANALYSIS OF A GOOSE AND A TURKEY ADENOVIRUS

¹Veterinary Medical Research Institute, Hungarian Academy of Sciences, Budapest, Hungary; ²MRC Virology Unit, Institute of Virology, Glasgow, UK; ³CEVA-Phylaxia Inc, Budapest, Hungary

11.15-11.30

VOP-23

◆ELENA ALINA PALADE¹, NÓRA BIRÓ², MIHÁLY DOBOS-KOVÁCS¹, ZOLTÁN DEMETER¹, ZSÓFIA BENYEDA¹, MÍRA MÁNDOKI¹, MIKLÓS RUSVAI¹

POXVIRUS INFECTION IN GREAT TIT (*PARUS MAJOR*) IN HUNGARY

¹Department of Pathology and Forensic Veterinary Medicine, Faculty of Veterinary Science, Szent István University, Budapest, Hungary; ²Veterinary Clinic and Laboratory, Budaörs, Hungary

Friday, July 20

Auditorium No.2

9.00-10.50 Bacteriology Session - In Memoriam Béla Lányi

Chairpersons: Ferenc Rozgonyi and Miklós Fűzi

9.00-9.05

MIKLÓS FŰZI

DR. BÉLA LÁNYI - COMMEMORATION

National Center for Epidemiology, Budapest, Hungary

9.05-9.20

BOP-13

◆MIKLÓS FŰZI, ZSOLT VÉGH

ANTIBIOTIC RESISTANCE OF MAJOR NOSOCOMIAL PATHOGENS IN HUNGARY

National Center for Epidemiology, Budapest, Hungary

9.20-9.35

BOP-14

◆JUDIT SZABÓ¹, ÁKOS TÓTH², IVELINA DAMJANOVA², GÁBOR KARDOS¹, ZSUZSA DOMBRÁDI¹, MIKLÓS FŰZI², PIROSKA OROSI³

OUTBREAK OF COLONISATION BY EXTENDED SPECTRUM B-LACTAMASE (ESBL) PRODUCING *SERRATIA MARCESCENS* STRAINS IN A NEONATAL INTENSIVE CARE UNIT

¹Department of Medical Microbiology, Medical and Health Science Center, University of Debrecen, Debrecen; ²National Center for Epidemiology, Budapest; ³Clinical Hygiene Ward, Medical and Health Science Center, University of Debrecen, Hungary

9.35-9.50

BOP-15

ZSUZSANNA DOMBRÁDI¹, FERENC BODNÁR², ÁGNES BORBÉLY¹, ÁRPÁD PÉTERFFY², JÓZSEF KÓNYA¹, PIROSKA OROSI⁴, VIKTOR DOMBRÁDI³, ◆JUDIT SZABÓ¹

MOLECULAR ANALYSIS OF VANCOMYCIN RESISTANT *ENTEROCOCCUS FAECALIS* STRAIN ISOLATED IN DEBRECEN

¹Department of Medical Microbiology; ²Department of Cardiac Surgery; ³Department of Medical Chemistry; ⁴Clinical Hygiene Ward, Medical and Health Science Center, University of Debrecen, Hungary

9.50-10.05

BOP-16

◆FERENC ROZGONYI, ORSOLYA DOBAY, NATASA PESTI, SZILVIA KARDOS, ÉVA VOLTER, ÁGOSTON GHIDÁN, DÓRA SZABÓ, KATALIN KRISTÓF, ÉRIKA KOCSIS, KÁROLY NAGY

OPTIMALIZATION OF PULSED-FIELD GEL ELECTROPHORESIS FOR ANTIBIOTIC RESISTANT STAPHYLOCOCCI, ENTEROCOCCI, AS WELL AS *LISTERIA MONOCYTOGENES* AND *STREPTOCOCCUS PNEUMONIAE*

Institute of Medical Microbiology, Semmelweis University, Budapest, Hungary

10.05-10.20

BOP-17

◆ERIKA KOCSIS¹, HEIMO LAGLER², NATASA PESTI¹, KARIN STICH², KATALIN KRISTÓF¹, KÁROLY NAGY¹, ZAKLINA CEKOVSKA³, WOLFGANG GRANINGER², FERENC ROZGONYI¹

PREVALENCE OF CYTOTOXIN GENES IN AUSTRIAN (AT), HUNGARIAN (HU) AND MACEDONIAN (MK) METHICILLIN-RESISTANT (MRSA) AND SENSITIVE (MSSA) STAPHYLOCOCCUS AUREUS STRAINS

¹Institute of Medical Microbiology, Semmelweis University, Budapest, Hungary; ²Division of Infectious Diseases and Chemotherapy, Department of Internal Medicine I., Medical University of Vienna, Austria; ³Institute of Medical Microbiology and Parasitology, Cyril and Methodius University, Skopje, Macedonia

10.20-10.35

BOP-18

◆GÁBOR MALMOS¹, ANDREA HORVÁTH¹, NATASA PESTI¹, KATALIN KRISTÓF¹, KÁROLY NAGY¹, ZAKLINA CEKOVSKA², HEIMO LAGLER³, GABRIEL KOTOLACSI³, RAINER GATTRINGER³, WOLFGANG GRANINGER³, FERENC ROZGONYI¹

A COMPARATIVE STUDY ON THE ANTIBIOTIC RESISTANCE OF MRSA AND MSSA STRAINS ISOLATED IN HUNGARY, AUSTRIA AND MACEDONIA

¹Institute of Medical Microbiology, Semmelweis University, Budapest, Hungary; ²Institute of Microbiology and Parasitology, Cyril and Methodius University, Skopje, Macedonia; ³Division of Infectious Diseases and Chemotherapy, Department of Internal Medicine I., Medical University of Vienna, Vienna, Austria

10.35-10.50

BOP-19

◆ANDRÁS FÜLÖP¹, GÁBOR RÁKHELY^{1,2}, KORNÉL L. KOVÁCS^{1,2}

THE ROLE OF FNRT, AN OXYGEN DEPENDENT REGULATOR, IN THE PHOTOSYNTHETIC PURPLE SULFUR BACTERIUM, *THIOCAPSA ROSEOPERSICINA* BBS

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

Friday, July 20

Classroom No.1

8.30–11.45 Environmental Microbiology Session

Chairpersons: Milton S. da Costa and Marcell Nikolausz

8.30-9.00

EOP-8

◆HERMANN J. HEIPIEPER¹, GWENAELE IMFELD², NADJA KABELITZ¹, HOWARD JUNCA³, MATHIAS KÄSTNER¹

MONITORING OF SOIL BIOREMEDIATION PROCESSES USING LIPIDS AS BIOMARKERS

¹Department Bioremediation; ²Department Isotope Biogeochemistry. UFZ - Helmholtz Centre for Environmental Research Leipzig, Germany; ³Helmholtz Centre for Infection Research – HZI, Braunschweig, Germany

9.00-9.30

EOP-9

◆HAUKE HARMS, SHOKO FURUNO, LUKAS Y. WICK

TAKING THE FUNGAL HIGHWAY – HOW FUNGI IMPROVE POLLUTANT AVAILABILITY TO BACTERIA

Helmholtz-Centre for Environmental Research – UFZ, Leipzig, Germany

9.30-9.50

EOP-10

◆MÁRTA VARGHA¹, RENÁTA BÁNFI¹, ZSÓFIA BARNA¹, ORSOLYA BERKI¹, MARIA JOSE FIGUERAS², MIHÁLY KÁDÁR¹

AN EU FUNDED STUDY ON THE HEALTH RISK OF BATHING WATERS – EPIBATHE YEAR 2

¹Department of Water Hygiene, National Institute for Environmental Health, Budapest, Hungary; ²Department of Basic Medicine, Faculty of Medicine and Science, University Rovira and Virgili, Reus, Spain

9.50-10.05

EOP-11

◆ZSÓFIA BARNA, MIHÁLY KÁDÁR, MÁRTA VARGHA

FINGERPRINTING LEGIONELLAE – CHALLENGE AND ALTERNATIVES

Department of Water Hygiene, National Institute for Environmental Health, Budapest, Hungary

10.05-10.20

EOP-12

◆ZSOLT SÁFÁR¹, JÓZSEF KLEM¹, RÓBERT CSÁKI¹, BRIGITTA KISS¹, KORNÉL L. KOVÁCS^{1,2}

***IN-VIVO* HYDROGEN PRODUCTION ANALYSES OF TRANSPOSON MUTANTS OF *METHYLOCOCCUS CAPSULATUS* (BATH)**

¹Department of Biotechnology, University of Szeged, Hungary; ²Institute of Biophysics, BRC, HAS, Szeged, Hungary

10.20-10.40 Coffee break

Chairpersons: Herman Heipieper and Erika Tóth

10.40-11.00

EOP-13

◆JAN FROUZ¹, VÁCLAV KRIŠTŮFEK¹, DANA ELHOTTOVÁ¹, ERIKA M.TÓTH², ANDREA K. BORSODI², ANNA RUSZNYÁK², EVA UHLÍŘOVÁ³, ALICA CHROŇÁKOVÁ^{1,3}, PETR BALDRIAN⁴, KÁROLY MÁRIALIGETI²

DIVERSITY AND ACTIVITY OF MICROBIAL COMMUNITIES OF POST MINING SUBSTRATES AFFECTED BY *LUMBRICUS RUBELLUS* (OLIGOCHAETA: LUMBRICIDAE)

¹Institute of Soil Biology, Biology Centre, Academy of Sciences of the Czech Republic, České Budějovice, Czech Republic; ²Department of Microbiology, Eötvös Loránd University, Budapest, Hungary; ³Department of Biological Sciences, University of South Bohemia, České Budějovice, Czech Republic; ⁴Institute of Microbiology, Academy of Sciences of the Czech Republic, Prague, Czech Republic

11.00-11.15

EOP-14

◆ANDRÁS TÁNCICS¹, ERZSÉBET BAKA¹, SÁRA RÉVÉSZ¹, ISTVÁN SZABÓ², SÁNDOR SZOBOSZLAY², KÁROLY MÁRIALIGETI¹

ANALYSIS OF BTEX DEGRADATIVE BACTERIAL COMMUNITIES BY 16S RDNA AND C23DO FINGERPRINTING

¹Department of Microbiology, Eötvös Loránd University, Budapest, Hungary; ²Department of Environmental Protection and Environmental Safety, Szent István University, Gödöllő, Hungary

11.15-11.30

EOP-15

◆ANNA GARA^{1,2}, MÓNIKA MAGONY¹, KATALIN PEREI¹, KATALIN F. MEDZIHRADESKY³, KORNÉL L. KOVÁCS^{1,2}, GÁBOR RÁKHELY^{1,2}

RELATIONSHIP BETWEEN IRON TRANSPORT AND XENOBIOTICS BIODEGRADATION IN *SPHINGOMONAS SUBARCTICA* SA1

¹Department of Biotechnology, University of Szeged, Hungary; ²Institute of Biophysics, Biological Research Center, Hungarian Academy of Sciences, Szeged, Hungary; ³Department of Pharmaceutical Chemistry, University of California San Francisco, USA

11.30-11.45

EOP-16

◆RÓBERT GORÁL¹, ANNA J. SZÉKELY¹, TAMÁS FELFÖLDI¹, GERGELY SCEIRICH¹, ANIKÓ RÁCZ¹, MARIANN FARKAS¹, KATALIN BARKÁCS^{2,3}, KÁROLY MÁRIALIGETI^{1,2}

MOLECULAR ANALYSIS OF THE BACTERIAL COMMUNITY IN AN INDUSTRIAL WASTEWATER SYSTEM

¹Department of Microbiology; ²Cooperation Research Center for the Environment; ³Department of Chemical Technology and Environmental Technology, Eötvös Loránd University, Budapest, Hungary

Friday, July 20

Poster Corridor

9.00-10.30 Mycology Poster Session

MPP-1

◆ZOLTÁN FARKAS, JUDIT KUCSERA, CSABA VÁGVÖLGYI, ILONA PFEIFFER

DIFFERENCES IN THE ORGANISATION OF THE MITOCHONDRIAL DNA OF *CANDIDA ALBICANS* ISOLATES

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

MPP-2

◆IDA MIKLÓS^{1,2}, ZSOLT SZILÁGYI¹, STEPHEN WATT², ERIKA ZILAHÍ¹, GYULA BATTÁ¹, ZSUZSA ANTUNOVICS¹, KLÁRA ENCZI¹, RÉKA NAGY¹, ERZSÉBET SZÁSZI¹, JÜRIG BAHLER², MATTIAS SÍPICZKI¹

TRANSCRIPTIONAL REGULATION IN *SCHIZOSACCHAROMYCES POMBE* CELLS

¹Department of Genetics and Molecular Biology, University of Debrecen, Hungary; ²Cancer Research, UK Fission Yeast Functional Genomics Group, Wellcome Trust Sanger Institute, Hinxton, Cambridge, UK

MPP-3

◆ZSANETT PÉTERI, KRISZTINA BARTA, ÁRPÁD CSERNETICS, CSABA VÁGVÖLGYI, TAMÁS PAPP

CLONING AND PARTIAL SEQUENCE ANALYSIS OF THE *GILBERTELLA PERSICARIA* FARNEZYL PYROPHOSPHATE SYNTHASE GENE

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

MPP-4

◆MÓNKA KOVÁCS¹, IGOR STUPAREVIČ², VLADIMIR MRŠA², ANNA MARÁZ¹

CHARACTERIZATION OF CCW7P CELL WALL PROTEIN OF FILM-FORMING *SACCHAROMYCES CEREVISIAE* WINE YEAST STRAINS AT GENE AND PROTEIN LEVEL

¹Department of Microbiology and Biotechnology, Corvinus University of Budapest, Hungary; ²Department of Biochemistry, University of Zagreb, Croatia

MPP-5

◆LINDA SÁRGA, ZOLTÁN GAZDAG, MIKLÓS PESTI

OXIDATIVE STRESS STUDY OF *SACCHAROMYCES CEREVISIAE* MUTANTS CARRYING GENES DELETED IN SPHINGOLIPID AND ERGOSTEROL BIOSYNTHESIS

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

MPP-6

◆ERVIN K. NOVÁK, ZSUZSANNA HORVÁTH, TIBOR NAGY, KATALIN KISS, JUDIT ZALA

MOULD AS A PROBLEM OF THE PANEL-BUILDING RECONSTRUCTION – 1. ARCHITECTURAL AND MYCOLOGICAL ASPECTS

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

MPP-7

◆JUDIT ZALA, TIBOR NAGY, KATALIN KISS, ZSUZSANNA HORVÁTH, ERVIN K. NOVÁK

MOULD AS A PROBLEM OF THE PANEL-BUILDING RECONSTRUCTION – 2. HUMAN ASPECTS

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

MPP-8

◆LÁSZLÓ KREDICS¹, JÁNOS VARGA^{1,2}, SÁNDOR KOCSUBÉ¹, ILONA DÓCZI³, ROBERT A. SAMSON², REVATHI RAJARAMAN⁴, VENKATAPATHY NARENDRAN⁴, MADHAVAN BHASKAR⁵, CSABA VÁGVÖLGYI¹, PALANISAMY MANIKANDAN⁴

ASPERGILLUS TAMARII KERATITIS

¹Department of Microbiology, Faculty of Sciences, University of Szeged, Hungary; ²CBS Fungal Biodiversity Centre, Utrecht, The Netherlands; ³Department of Clinical Microbiology, Faculty of Medicine, University of Szeged, Hungary; ⁴Department of Microbiology, Aravind Eye Hospital and Postgraduate Institute of Ophthalmology, Coimbatore, India; ⁵Coimbatore Medical College, Coimbatore, India

MPP-9

◆PALANISAMY MANIKANDAN¹, HESTER F. VISMER², LÁSZLÓ KREDICS³, ILONA DÓCZI⁴, WALTER F.O. MARASAS², MADHAVAN BHASKAR⁵, RAJARAMAN REVATHI¹, ANITA RAGHAVAN¹, VENKATAPATHY NARENDRAN¹

A CASE OF KERATITIS DUE TO *NEOCOSMOSPORA VASINFECTA* IN COIMBATORE, SOUTH INDIA

¹Aravind Eye Hospital, Coimbatore, Tamilnadu, India; ²PROMEC Unit, Medical Research Council, Tygerberg, Cape Town, South Africa; ³Department of Microbiology, Faculty of Sciences, University of Szeged, Hungary; ⁴Department of Clinical Microbiology and Diagnostics, Faculty of Medicine, University of Szeged, Hungary; ⁵Department of Microbiology, Coimbatore Medical College, Coimbatore, Tamilnadu, India

MPP-10

JULIANNA SERLY^{1,2}, ÁGNES FERENCZY^{1,2}, ILONA DÓCZI², ◆FERENC SOMOGYVÁRI¹, CSABA VÁGVÖLGYI³, ELIZABETH NAGY², YVETTE MÁNDI¹

IMPROVED DIAGNOSTIC METHOD IN FUNGAL SEPSIS BY REAL-TIME PCR

¹Department of Medical Microbiology and Immunology; ²Institute of Clinical Microbiology, Faculty of Medicine; ³Department of Microbiology, Faculty of Sciences, University of Szeged, Hungary

MPP-11

◆LÁSZLÓ IRINYI, GYÖRGY J. KÖVICS, ERZSÉBET SÁNDOR

A PHYLOGENETIC STUDY ON DIFFERENT *PHOMA* SPECIES

Department of Plant Protection, Centre of Agriculture Sciences, University of Debrecen, Hungary

MPP-12

◆LÁSZLÓ NAGY, CSABA VÁGVÖLGYI, TAMÁS PAPP

EVOLUTIONARY INSTABILITY OF FRUITING BODY TYPES AMONG COPRINOID HOMOBASIDIOMYCETES

Department of Microbiology, University of Szeged, Hungary

MPP-13

◆ZSUZSANNA KONCZ¹, KATALIN HUSZTI¹, ZOLTÁN NAÁR¹, ANDRÁS KISS¹, ÁRPÁD SZÉCSI²

PCR-BASED DETECTION OF HUNGARIAN *FUSARIUM GRAMINEARUM* ISOLATES

¹Laboratory of Molecular Biology, Eszterházy Károly College, Eger, Hungary; ²Plant Protection Institute, Hungarian Academy of Science, Budapest, Hungary

MPP-14

◆LÁSZLÓ NAGY, ZSOLT GORLICZAI, TAMÁS PAPP, CSABA VÁGVÖLGYI

FUNGAL DIVERSITY OF HUNGARIAN SANDY REGIONS

Department of Microbiology, University of Szeged, Hungary

MPP-15

ZOLTÁN NAÁR

A RAPID METHOD TO DETERMINE THE GROWTH AND MORPHOLOGICAL SENSITIVITY OF *TRICHODERMA* SPP. COLONIES TO METALS IN POLLUTED AGAR MEDIUM

Department of Botany, Eszterházy Károly College, Eger, Hungary

MPP-16

♦MARYAM SADEGHI¹, BEHROOZ SH. BEHBOODI²

AVENOINDOLIN: A DEFENSIVE PROTEIN IN OAT GRAINS INHIBIT *IN-VITRO* GROWTH OF *RHIZOCTONIA SOLANI*

Department of Plant Pathology, Azad University, Science & Research Campus, Poonak, Tehran, Iran; ²Department of Cell and Molecular Biology, University College of Biology, University of Tehran, Iran

MPP-17

♦IVAN KOSALEC¹, STJEPAN PEPELJNJK¹, SUZANA HADINA², LJILJANA PINTER², DANKO HAJSIG³

ANTIFUNGAL ACTIVITY OF LEVOMENTHOL, 2-PHENYLETHANOL, THYMOL AND HYDROQUINONE

¹Department of Microbiology, Faculty of Pharmacy and Biochemistry, University of Zagreb, Croatia; ²Department of Microbiology and Infectious Diseases, Faculty of Veterinary Medicine, Zagreb, Croatia; ³Veterina Ltd, Rakov Potok, Croatia

MPP-18

♦BEÁTA LINKA¹, KRISZTINA KRIZSÁN¹, TAMÁS PAPP¹, ANDRÁS SZEKERES², CSABA VÁGVÖLGYI¹

SENSITIVITY OF DIFFERENT ZYGOMYCETES TO THE SESTERTERPENE, OPHIOBOLIN-A

¹Department of Microbiology, Faculty of Sciences, University of Szeged, Hungary; ²Analytical Laboratory, Cereal Research Non-profit Company, Szeged, Hungary

MPP-19

TÍMEA STROMÁJER-RÁCZ¹, ♦ZOLTÁN GAZDAG¹, TÍMEA DERGEZ², LINDA SÁRGA¹, CSABA FEKETE¹, MIKLÓS PESTI¹

EFFECT OF HIV-1 VIRAL PROTEIN R (VPR) ON CELLULAR FUNCTION OF FISSION YEAST *SCHIZOSACCHAROMYCES POMBE*

¹Department of General and Environmental Microbiology, Faculty of Sciences, University of Pécs, Hungary; ²Department of Biophysics, Faculty of Medicine, University of Pécs, Hungary

MPP-20

♦LEJLA DURAKOVIC¹, SULEJMAN REDZEPOVIC², SANDI ORLIC², ANDREA SKELIN², FRANE DELAS¹, SENADIN DURAKOVIC¹

THE EFFECT OF FUNGAL COMPETITION ON COLONIZATION OF SOYBEAN BY *ASPERGILLUS FLAVUS* AND *TRICHOTHECIUM ROSEUM* AND ON PRODUCTION OF AFLATOXINS

¹Department of Biochemical Engineering, Faculty of Food Technology and Biotechnology, Zagreb, Croatia; ²Department of Microbiology, Faculty of Agriculture, Zagreb, Croatia

MPP-21

♦SENADIN DURAKOVIC¹, SANDI ORLIC², SULEJMAN REDZEPOVIC², ANDREA SKELIN², FRANE DELAS¹, LEJLA DURAKOVIC¹

***IN-VITRO* ACTIVITY OF DEHYDROACETIC ACID AND THE NEWLY SYNTHESIZED SCHIFF BASE AGAINST MYCOTOXIGENIC FUNGUS *ASPERGILLUS FLAVUS* ATCC 26949 GROWTH AND AFLATOXIN ACCUMULATION**

¹Department of Biochemical Engineering, Faculty of Food Technology and Biotechnology; ²Department of Microbiology, Faculty of Agriculture, Zagreb, Croatia

MPP-22

♦LÁSZLÓ IRINYI¹, MAGDY EL-NAGGAR², GYÖRGY J. KÖVICS¹, ERZSÉBET SÁNDOR¹

ASPECTS OF MYCOPARASITISM OF *BOTRYTIS* SPP. BY *TRICHODERMA REESEI*

¹Department of Plant Protection, Centre of Agriculture Sciences, University of Debrecen, Hungary; ²Agricultural Botany Department, Faculty of Agriculture, Kafr El-Sheikh University, Egypt

MPP-23

ZSUZSANNA HAMARI¹, SOTIRIS AMILLIS², AGGELIKI APOSTOLAKI², CHRISTINE DREVET³, ♦ZOLTÁN FARKAS¹, CSABA VÁGVÖLGYI¹, GEORGE DIALLINAS², CLAUDIO SCAZZOCCHIO^{3,4}

IDENTIFICATION AND CHARACTERISATION OF A NOVEL NUCLEOBASE-RELATED TRANSPORTER FAMILY IN *ASPERGILLUS NIDULANS*

¹Department of Microbiology, Faculty of Sciences, University of Szeged, Hungary; ²Department of Botany, Faculty of Biology, University of Athens, Panepistimioupolis, Athens, Greece; ³Institute of Genetics and Microbiology, Université de Paris-XI, Orsay, France; ⁴Institut Universitaire de France, Paris, France

MPP-24

♦BEHROOZ SH. BEHBOODI, SEYEDEH KHORSHID HEYDARI

STUDY OF HISTOCYTOPATHOLOGICAL CHANGES OF *PISTACIA VERA* ROOT CELLS, INOCULATED WITH *VERTICILLIUM DAHLIAE* IN-VITRO

¹Department of Cell and Molecular Biology, University School of Biology, University of Tehran, Tehran, Iran; ²Department of Biology, Faculty of Science, Science and Research Branch, Islamic Azad University, Tehran, Iran

MPP-25

♦ILDIKÓ KÁKONYI, KÁROLY VIDA, ANNA MARÁZ

INFLUENCE OF FERMENTATION CONDITIONS ON VIABILITY AND ETHANOL PRODUCTION OF *KLUYVEROMYCES LACTIS* AND *K. MARXIANUS*

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

MPP-26

♦GÁBOR PÉTER, JUDIT TORNAI-LEHOCZKI, DÉNES DLAUCHY

***OGATAEA THERMOPHILA* SP. NOV., A NEW METHYLOTROPHIC YEAST SPECIES**

National Collection of Agricultural and Industrial Microorganisms, Corvinus University of Budapest, Faculty of Food Sciences, Budapest, Hungary

MPP-27

ÁKOS SVEICZER¹, ♦ANNA MÓNUS¹, PÉTER BUCHWALD²

THE TIME-PROFILE OF CELL GROWTH IN FISSION YEAST: MODEL SELECTION FOR WILD-TYPE CELLS

¹Department of Applied Biotechnology and Food Science, Budapest University of Technology and Economics, Budapest, Hungary; ²Molecular and Cellular Pharmacology, Miller School of Medicine, University of Miami; Miami, USA

MPP-28

JÓZSEF SZARVAS¹, MÁRIA VASTAGNÉ CSORBA¹, ♦ZOLTÁN NAÁR²

EFFICIENCY COMPARISON OF FUNGICIDES AGAINST FUNGAL PATHOGENS OF CULTIVATED MUSHROOM

¹Molecular Biological Research Laboratory, Quality Champignons Ltd, Demjén; ²EGERFOOD Regional Knowledge Centre, Eger, Hungary

10.30-12.00 Agricultural and Food Microbiology Poster Session

FPP-1

♦KINGA HORVÁTH¹, DÓRA MÁRTA², ÉVA ANDRÁSSY³, SZILVIA TYAHUR¹, JÓZSEF FARKAS^{1,3}, ANNA MARÁZ²

STUDIES ON THE DEVELOPMENT OF SPECIFIC BACTERIAL SPOILAGE BIOTA IN CHILLED MINCED PORK MEAT

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

FPP-2

◆FERENC PELES¹, SÁNDOR KOVÁCS², BÉLA BÉRI³, ANDRÁS SZABÓ¹

COMPARATIVE ANALYSIS OF FACTORS INFLUENCING TOTAL PLATE COUNT OF RAW MILK IN SOME DAIRY FARMS IN HUNGARY

¹Institute of Food Processing, Quality Control and Microbiology; ²Department of Economic Analysis and Statistical Sciences; ³Department of Animal Husbandry, Breeding and Nutrition, Centre of Agricultural Sciences, University of Debrecen, Hungary

FPP-3

◆MAJA ŠEGVIĆ KLARIĆ, IVAN KOSALEC, STJEPAN PEPELJNIAK

DETERMINATION OF ZEARELENONE IN MAIZE SAMPLES FROM CROATIA BY TLC/HPLC METHOD

Department of Microbiology, Faculty of Pharmacy and Biochemistry, University of Zagreb, Croatia

FPP-4

◆IZABELL PERGER-MÉSZÁROS, SZILÁRD KUN, JUDIT M. REZESSY-SZABÓ, ÁGOSTON HOSCHKE

DEVELOPMENT OF A SYNBIOTIC AND ITS IMPLICATION IN FOOD PROCESSING

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

FPP-5

◆ILDIKÓ BATA-VIDÁCS¹, RENÁTA SZÖRÉNYI², JUDIT BECZNER¹

THE EFFECT OF TECHNOLOGICAL STRESS ON BACTERIAL SPORES AND VEGETATIVE CELLS

¹Department of Microbiology, Central Food Research Institute, Budapest, Hungary; ²Faculty of Science, Eötvös Loránd University, Budapest, Hungary

FPP-6

RÉKA ÁGOSTON, ◆CSILLA MOHÁCSI-FARKAS

MODELLING THE EFFECT OF HEAT STRESS ON SURVIVAL OF *LISTERIA MONOCYTOGENES* 4AB IN TRYPTIC SOY BROTH AND MILK

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

FPP-7

◆ÁGNES BELÁK¹, FRIEDA JØRGENSEN², JANET E.L. CORRY³

COMPARISON OF MULTIPLICATION ABILITY OF POULTRY-RELATED CAMPYLOBACTERS DURING ENRICHMENT

¹Department of Microbiology and Biotechnology, Corvinus University of Budapest, Hungary; ²Foodborne Zoonoses Unit, Health Protection Agency, Department of Clinical Veterinary Science; ³Department of Clinical Veterinary Science, University of Bristol, Langford, Bristol, UK

FPP-8

◆BOGLÁRKA LÉNÁRT, ZSUZSANNA FEJES, ZOLTÁN NAÁR

***IN-VITRO* MODELLING OF THE PREBIOTIC EFFECTS OF INULIN APPLIED AS BISCUIT ADDITIVE**

EGERFOOD Regional Knowledge Centre, Eger, Hungary

FPP-9

ZSUZSANNA FEJES, ADRIENN BÁRDOS, ◆ZOLTÁN NAÁR

COMBINED *IN-VITRO* INHIBITORY EFFECT OF SPICES AND RIPENING AGENT APPLIED IN DRY-FERMENTED SAUSAGES

Biological Institute, Eszterházy Károly College, Eger, Hungary

FPP-10

◆MARIANN JUHÁSZ-ROMÁN¹, DÁVID KÁNTOR², ZSUZSA VARGA³

PROBIOTIC YOGURTS FERMENTED BY *BIFIDOBACTERIUM BREVE* AND *LACTOBACILLUS PARACASEI*, BASED ON LACTOSE-HYDROLYSED MILK, SUPPLEMENTED WITH SOYA-MILK

¹Department of Microbiology; ²Department of Physics and Control, Corvinus University of Budapest; ³Department of Dietetics, College for Health Sciences, Semmelweis University, Budapest, Hungary

FPP-11

◆MÁRTA E. GULYÁS¹, JUDIT KEREKES¹, ANDREA BISTYÁK², PÉTER MAJOR¹

ANTIBIOTIC RESISTANT ENTERIC BACTERIA IN BROILER HOUSES

¹Department of Food Microbiology, National Institute of Food Safety and Nutrition, Budapest, Hungary; ²Department of Pathology, Veterinary Diagnostic Directorate, Central Agricultural Office Debrecen, Hungary

FPP-12

◆ZSUZSANNA ANTAL¹, ENIKŐ SAJBEN¹, LÁSZLÓ MANCZINGER¹, ADRIENN NAGY², LÓRÁNT HATVANI¹, LÁSZLÓ KREDICS¹, BALÁZS VAJNA³, KÁROLY MÁRIALIGETI³, CSABA VÁGVÖLGYI¹

SUCCESSION OF FUNGAL COMMUNITY IN WHEAT STRAW COMPOST

¹Department of Microbiology, Faculty of Sciences, University of Szeged; ²Pilze-Nagy Ltd. Kecskemét; ³Department of Microbiology, Eötvös Loránd University, Budapest, Hungary

FPP-13

DÁNIEL SZILLI, ◆KRISZTINA HIDEG¹, BALÁZS VAJNA¹, ADRIENN NAGY², KÁROLY MÁRIALIGETI¹

INVESTIGATION OF THE BACTERIAL AND FUNGAL COMMUNITY CHANGES DURING OYSTER MUSHROOM (*PLEUROTUS SP.*) SUBSTRATE PRODUCTION

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FPP-14

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PROTEOMIC CHANGES OF THE WHEAT APOPLAST ASSOCIATED WITH RESISTANCE AGAINST LEAF RUST

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VIKTÓRIA BÓDAI

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◆KÁLMÁN Z. VÁCZY¹, LEVENTE KARAFFA², LAJOS GÁL¹, GYÖRGY KÖVICZ³, ERZSÉBET SÁNDOR³

GENETIC CHARACTERISATION OF *BOTRYTIS CINEREA* POPULATIONS IN THE EGER WINE DISTRICT

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ILONA VILLÁNYI¹, GÁBOR BAKONYI², ZOLTÁN NAÁR³, ◆BORBÁLA BIRÓ¹

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Biological Institute, Eszterházy Károly College, Eger, Hungary

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Food Science and Technology Department, Faculty of Agriculture, Islamic Azad University, Varamin, IRAN

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♦KRISZTINA SZEKÉR, EDINA NÉMETH, CSILLA SEBESTYÉN, PÉTER GÁLFI

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Department of Pharmacology and Toxicology, Faculty of Veterinary Science, Szent István University, Budapest, Hungary

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***IN-VITRO* EXAMINATION OF THE INHIBITION EFFECT OF DIFFERENT MATERIALS ON SEED BORNE BACTERIAL DISEASE OF TOMATO AND PEPPER**

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PRODUCTION AND PURIFICATION OF EXTRACELLULAR PHYTASE FROM *ASPERGILLUS NIGER*

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

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