

4th Central European Forum for Microbiology

PROGRAMME

Hotel Helikon
Keszthely, Lake Balaton, Hungary
October 16-18, 2013

PROGRAMME
of the

**4th Central European Forum for
Microbiology**

hosted by the

Hungarian Society for Microbiology

Organized
by the

Hungarian Society for Microbiology,
the
Croatian Microbiological Society,
the
Slovenian Microbiological Society
and the
Foundation of the Hungarian Society for Microbiology

Hotel Helikon
Keszthely, Lake Balaton, Hungary
October 16-18, 2013

Programme at a glance

Tuesday, October 15	18.00-21.30	Registration
Wednesday, October 16	8.00-17.00	Registration
Conference Hall	11.00-11.10	Opening Ceremony
	11.10-13.10	Rezső Manninger Memorial Session
Conference Hall	14.30-18.00	Plenary Session – Tools in Epidemiology in the 21th Century
Thursday, October 17	8.00-13.00	Registration
Room No. 1	8.30-10.30	John Snow Semi-plenary Session
	11.00-12.15	Bacteriology Session I
	15.00-16.15	Bacteriology Session II
	16.45-17.45	Immunology and Parasitology Session
Room No. 2	8.30-10.30	Dániel Fehér Semi-plenary Session
	11.00-12.00	György Berencsi Memorial (Virology I) Session
	15.00-16.15	Virology Session II
Room No. 3	11.00-12.55	Industrial Microbiology Session
	16.00-17.15	Environmental Microbiology Session I
Room Gulács	11.00-12.00	Agricultural and Food Microbiology Session I
	14.00-16.10	Tibor Deák Memorial (Mycology I) Session
	16.30-17.55	Mycology Session II

Poster Room

8.00-18.00	Poster Sessions
13.00-14.00	Bacteriology Poster Session
13.00-13.30	Agricultural Microbiology Poster Session
13.30-14.00	Food Microbiology Poster Session
14.00-15.00	Virology Poster Session
14.00-15.00	Industrial Microbiology Poster Session
14.00-15.45	Environmental Microbiology and Biotechnology Poster Session

19.00- CEFORM Reception

Friday, October 18

Room No. 1

8.30-10.30	Ignaz Semmelweis Semi- plenary Session
11.00-12.30	Bacteriology Session III

13.00-13.30 Closing Ceremony and Farewell
drink

Room No. 2

8.30-10.30	Sergei Winogradsky Semi- plenary Session
11.00-12.00	Environmental Microbiology and Biotechnology Session II

Room No. 3

11.00-12.00	Agricultural and Food Microbiology Session II
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Room Gulács

11.00-12.30	Virology Session III
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Poster Room

8.00-12.30	Poster Sessions
10.00-11.30	Mycology Poster Session

Detailed Programme

Wednesday, October 16

Conference Hall

11.00 Opening Ceremony

Welcome Addresses of

KÁROLY MÁRIALIGETI

President of the Hungarian Society for Microbiology

DANKO HAJSIG

President of the Croatian Microbiological Society

PETER RASPOR

President of the Slovenian Microbiological Society

11.10-13.10 Rezső Manninger Memorial Session

Rezső Manninger (1890-1970), Hungarian veterinarian, an outstanding scholar of veterinary microbiology and epidemiology. He became famous for discovering animal disease causing viruses, and for the elaboration of effective preventive measures for different epidemic veterinary diseases. President of the Hungarian Society for Microbiology from 1958-1967. HSM founded the Rezső Manninger Memorial Medal in 1973.

Chairpersons: János Minárovits, Miklós Rusvai and Mária Takács

Manninger Lectures

11.10-11.40

KÁROLY MÁRIALIGETI

SNAPSHOTS ON THE MICROBIOLOGY OF DRINKING WATER PRODUCTION AND SUPPLY

Department of Microbiology, Faculty of Science, Institute of Biology, Eötvös Loránd University, Budapest, Hungary

11.40-12.10

ISTVÁN TÓTH

MOLECULAR CHARACTERIZATION OF *ESCHERICHIA COLI* O157 AND CYTOLETHAL DISTENDING TOXIN-PRODUCING *E. COLI*

Institute for Veterinary Medical Research, Centre for Agricultural Research, Hungarian Academy of Sciences, Budapest, Hungary

Inaugural Lectures by Honorary Members of the Hungarian Society for Microbiology

12.10-12.40

ULRICH DOBRINDT

STUDIES ON *ESCHERICHIA COLI* AS A PARADIGM OF BACTERIAL VERSATILITY AND VARIABILITY: IMPLICATIONS FOR PATHOPHYSIOLOGY, EPIDEMIOLOGY AND DIAGNOSTICS

Institute of Hygiene, University of Münster, Münster, Germany

12.40-13.10

CLAUDIO SCAZZOCCHIO

GENES IN MICROORGANISMS: FROM THE CISTRON TO THE PAN-GENOME

Imperial College London, London, UK and Université Paris-Sud (XI) Orsay, Paris, France

13.10-14.30 Lunch break

14.30-18.00 Plenary Session – Tools in Epidemiology in the 21th Century

Chairpersons: Erzsébet Nagy and Ulrich Dobrindt

14.30-15.00

TPP-1

◆ MIHAELA MATOVINA^{1,2}, MARINA BUBONJA ŠONJE^{1,3}, DAVORKA REPAC-ANTIĆ³, MAJA ABRAM^{1,3}

MOLECULAR EPIDEMIOLOGY OF ERTAPENEM-RESISTANT *KLEBSIELLA PNEUMONIAE* CLINICAL ISOLATES AND EXPRESSION ANALYSIS OF GENES INVOLVED IN ANTIBIOTIC RESISTANCE

¹Department of Microbiology, School of Medicine, University of Rijeka, Rijeka; ²Department of Biochemistry and Molecular Biology, Faculty of Pharmacy and Biochemistry, University of Zagreb, Zagreb; ³Department of Clinical Microbiology, Clinical Hospital Rijeka, Rijeka, Croatia

15.00-15.30

TPP-2

◆ KAROLINA BÖRÖCZ, ÁKOS TÓTH

IMPORTANCE OF HEALTH CARE ASSOCIATED INFECTIONS CAUSED BY VANCOMYCIN RESISTANT *ENTEROCOCCUS FAECIUM*; POSSIBILITIES OF PREVENTION

National Center for Epidemiology

15.30-16.00

TPP-3

◆ MÁRIA DUDÁS, ANNA TARJÁN

DRIED BLOOD SPOT SCREENING METHOD IN INTRAVENOUS DRUG USERS FOR HIV, HBV, HCV

National Center for Epidemiology

16.00-16.30 Coffee break

16.30-17.00

TPP-4

◆ MATJAZ PETERKA¹, NIKOLAJA JANEZ¹, ANDREJA KOKOSIN¹, EVA ZALETEL¹, TOMAZ ACCETTO², ALES PODGORNIK¹

BIOLOGY AND APPLICATION OF *CAMPYLOBACTER* BACTERIOPHAGES

¹Instrumentation and Process Control, Laboratory for Bio-Analytcs, Center of Excellence for Biosensors; ²Animal Sciences Department, Biotechnical Faculty, University of Ljubljana, Ljubljana, Slovenia

17.00-17.30

TPP-5

◆ MARTINA ŠERUGA MUSIĆ¹, JELENA PLAVEC², IVANA KRIZANAC², ŽELJKO BUDINŠČAK², DIJANA ŠKORIĆ¹

MOLECULAR EPIDEMIOLOGY OF GRAPEVINE PHYTOPLASMOSES IN CROATIA: MULTIGENE SEQUENCE ANALYSIS APPROACH

¹Department of Biology, Faculty of Science, University of Zagreb, Croatia, ²CCAFRA-Plant Protection Institute, Croatia

17.30-18.00

TPP-6

◆ DARJA DUH¹, ELENA BUŽAN VARLIJEN², KATJA KALAN², VLADIMIR IVOVIĆ², SANDRA HASIĆ²

ZOONOTIC PATHOGENS TRANSMITTED BY MOSQUITOES AND SAND FLIES IN SLOVENIA

¹Department of Clinical Microbiology, Public Health Institute Maribor, Maribor; ²Department of Biodiversity, University of Primorska, Koper, Slovenia

Thursday, October 17

Room No.1

8.30-10.30 John Snow Semi-plenary Session

John Snow (1813-1858), English physician, the founder of epidemiology. He is well known for his eminent role in the diminishing of the London cholera epidemic of 1854 by identifying its source in a public water pump. Later it was discovered that the pump water was infected from a cesspit. Thus the oral faecal route of disease transmission can be bound to him.

Chairpersons: Levente Emődy and Ivan Rychlik

8.30-9.00

JSP-1

◆ IVAN RYCHLIK, KAROLINA VARMUZOVA, FRANTISEK SISAK, HANA HAVLICKOVA, VLADIMIR BABAK, MARTA MATULOVA

CHICKEN INNATE IMMUNE RESPONSE TO ORAL INFECTION WITH *SALMONELLA ENTERICA* SEROVAR

Department of Bacteriology, Veterinary Research Institute, Brno, Czech Republic

9.00-9.30

JSP-2

◆ JULIANNA MÓZES, ORSOLYA GORÁCZ, FATEMEH EBRAHIMI, GÁBOR KARDOS

EXAMINATION OF INTEGRON CARRIAGE AND IDENTIFICATION OF RESISTANCE GENES IN INTEGRON-ASSOCIATED GENE CASSETTES AMONG NOSOCOMIAL *ACINETOBACTER* SSP.

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

9.30-10.00

JSP-3

◆ BRIGITTA LÁSZLÓ¹, JÓZSEF KÓNYA¹, JUDIT DEÁK², FERENC JAKAB³, ÁGNES JUHÁSZ⁴, ILDIKÓ SÁNTHA⁵, KRISZTIÁN BÁNYAI⁶, THE HUNGARIAN ROTAVIRUS SURVEILLANCE NETWORK⁷

VP4 AND VP7 SEQUENCE ANALYSES OF HUNGARIAN ROTAVIRUS STRAINS

¹Department of Medical Microbiology, Faculty of Medicine, University of Debrecen, Debrecen; ²Department of Clinical Microbiology, Faculty of Medicine, University of Szeged, Szeged; ³János Szentágothai Research Center, University of Pécs, Pécs; ⁴Microbiology Diagnostic Laboratory, Laboratórium Ltd, Hajdú-Bihar County, Debrecen; ⁵North Hungarian Regional Institute, Hungarian National Public Health and MOS, Miskolc; ⁶Institute for Veterinary Medical Research, Center for Agricultural research, Hungarian Academy of Sciences, Budapest; ⁷Budapest, Hungary

10.00-10.30

JSP-4

◆ ÁKOS BOROS¹, PÉTER PANKOVICS¹, CSABA NEMES², BEATRIX KAPUSINSZKY³, ERIC DELWART³, GÁBOR REUTER¹

NOVEL GENERA OF AVIAN-ORIGIN PICORNAVIRUSES (“*GALLIVIRUS*” AND “*AVISIVIRUS*”) AND THEIR UNEXPECTED GENOME FEATURES: SMALL STEPS TOWARDS TO UNDERSTAND THE COMPLEXITY OF THE PICORNAVIRUS GENOME STRUCTURE AND DIVERSITY

¹Regional Laboratory for Virology, South Transdanubian Regional Institute, Hungarian National Public Health and Medical Officer Service, Pécs; ²Veterinary Diagnostic Directorate, Central Agricultural Office, Budapest, Hungary; ³Blood Systems Research Institute, San Francisco, USA

10.30-11.00 Coffee break

11.00-12.35 Bacteriology Session I

Chairpersons: Michaela Matovina and István Tóth

11.00-11.15

BOP-1

BÉLA KOCSIS¹, ÁKOS TÓTH², IVELINA DAMJANOVA², KATALIN KRISTÓF³, LAURA JÁNVÁRI², JUDIT PÁSZTI², RITA CSERCSIK¹, DÓRA SZABÓ¹, KÁROLY NAGY¹, ♦MIKLÓS FÜZI¹

DIVERSE FITNESS COST ASSOCIATED WITH FLUOROQUINOLONE RESISTANCE GOVERNS CAPACITY OF CLONAL EXPANSION OF *KLEBSIELLA PNEUMONIAE* IN ADULT HOSPITAL WARDS AND SELECTS FOR CTX-M-15 TYPE EXTENDED SPECTRUM-B-LACTAMASE

¹Department of Medical Microbiology, Faculty of Medicine, Semmelweis University; ²Division of Bacteriology, National Centre for Epidemiology; ³Clinical Microbiological Diagnostic Laboratory, Institute of Laboratory Medicine, Semmelweis University, Budapest, Hungary

11.15-11.30

BOP-2

♦ANNAMÁRIA SZMOLKA, BARBARA LESTÁR, PÉTER ZS. FEKETE, BÉLA NAGY

TETRACYCLINE RESISTANCE TET(A) PLASMIDS TRANSFERRING MULTIRESTANCE IN ENTEROTOXIGENIC *E. COLI* STRAINS FROM PIGS

Enteric Bacteriology and Foodborne Zoonoses, Institute for Veterinary Medical Research, Centre for Agricultural Research, Hungarian Academy of Sciences, Budapest, Hungary

11.30-11.45

BOP-3

♦FATEMEH EBRAHIMI, JULIANNA MÓZES, GÁBOR KARDOS

CHARACTERISATION OF ESBL-PRODUCING ENTEROBACTERIA IN STOOL SAMPLES OF INDIVIDUALS SCREENED FOR ENTERIC PATHOGENS

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

11.45-12.00

BOP-4

♦JÓZSEF SÓKI, ISTVÁN GÖCZŐ, EDIT URBÁN, ELISABETH NAGY

EXAMINATION OF THE EXPRESSION AND COPY NUMBERS OF THE *cfxA* CEFOXITINASE GENE AS DETERMINANTS FOR CEFOXITIN RESISTANCE OF *BACTEROIDES*

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

12.00-12.15

BOP-5

♦ZOLTÁN TIGYI¹, GYÖRGY SCHNEIDER¹, LÁSZLÓ PÓTÓ², LEVENTE EMÓDY¹

COMPARISON OF THE PREVALENCE OF THE TYPE 3 FIMBRIA AND BIOFILM PRODUCTION CAPABILITY AMONG *KLEBSIELLA PNEUMONIAE* STRAINS ORIGINATE FROM SEWAGE TREATMENT PLANTS AND DIFFERENT CLINICAL SAMPLES

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

12.15-12.35

SOP-1

♦MARCO PIROTTA

EFFICIENT *DE NOVO* SEQUENCING AND TYPING OF MICROBIAL GENOMES WITH NEXT-GENERATION SEMICONDUCTOR SEQUENCING

Business Development, NGS, Life Technologies Corp.

12.35-15.00 Lunch break

15.00-16.15 Bacteriology Session II

Chairpersons: Miklós Füzi and Dóra Szabó

15.00-15.15

BOP-6

◆ KRISZTINA LAUB, SZILVIA KARDOS, ADRIENN TÓTHPÁL, KÁROLY NAGY, ORSOLYA DOBAY

NASAL CARRIAGE OF *STAPHYLOCOCCUS AUREUS* IN CHILDREN ATTENDING DAY-CARE CENTERS IN HUNGARY

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

15.15-15.30

BOP-7

KRISZTINA LAUB¹, ADRIENN TÓTHPÁL¹, KATALIN KRISTÓF², ESZTER OSTORHÁZI³, KÁROLY NAGY¹, ORSOLYA DOBAY¹,

◆ SZILVIA KARDOS¹

EPIDEMIOLOGICAL SURVEY AND CHARACTERIZATION OF *STREPTOCOCCUS AGALACTIAE* ISOLATES FROM THE SEMMELWEIS UNIVERSITY, BUDAPEST

¹Institute of Medical Microbiology; ²Institute of Laboratory Medicine; ³Institute of Dermatology, Dermatoooncology and Venerology, Faculty of Medicine, Semmelweis University, Budapest, Hungary

15.30-15.45

BOP-8

◆ ZSUZSANNA RITA DOMBRÁDI, DOROTTYA FRANYÓ, SÁNDOR JENES, KATALIN ILLÉS HORVÁTH, JUDIT SZABÓ

DISTRIBUTION OF VIRULENCE FACTORS BETWEEN MRSA AND MSSA ISOLATES FROM NASAL CARRIAGE AND STAPHYLOCOCCAEMIA

Institute of Medical Microbiology, Faculty of Medicine, University of Debrecen, Debrecen, Hungary

15.45-16.00

BOP-9

◆ GERGELY KRIZSÁN¹, KATALIN MAROSSY SZINYEI MERSÉNÉ², JUDIT PÁSZTI³, KATALIN KRISTÓF⁴, KÁROLY NAGY¹, MIKLÓS FÜZI¹

ANTIMICROBIAL RESISTANCE AND CLONAL INVESTIGATION OF CLINICAL *CORYNEBACTERIUM STRIATUM* ISOLATES

¹Institute of Medical Microbiology, Faculty of Medicine, Semmelweis University; ²Corden Ltd., National Korányi Institute for TB and Pulmonology; ³Department of Bacteriology, Mycology, Parasitology, National Center for Epidemiology; ⁴Clinical Microbiological Diagnostic Laboratory, Semmelweis University, Budapest, Hungary

16.00-16.15

BOP-10

◆ KATALIN KRISTÓF¹, JUDIT PÁSZTI², LAURA JÁNVÁRI², MIKLÓS IVÁN¹, EMESE JUHÁSZ¹, JÚLIA PONGRÁCZ¹, ÁKOS TÓTH²

PHENOTYPIC AND MOLECULAR CHARACTERIZATION OF MULTIRESTANT *ACINETOBACTER BAUMANNII*

¹Diagnostic Laboratory of Clinical Microbiology, Institute of Laboratory Medicine, Semmelweis University; ²Department of Bacteriology, National Center for Epidemiology, Budapest, Hungary

16.15-16.45 Coffee break

16.45-17.45 Immunology and Parasitology Session

Chairpersons: Enikő Barabás-Hajdú and Katalin Burián

16.45-17.00

POP-1

◆TÍMEA MOSOLYGÓ¹, GABRIELLA SPENGLER¹, EMESE PETRA BALOGH¹, VALÉRIA ENDRÉSZ¹, KRISZTIÁN LACZI², KATALIN PEREI², KATALIN BURIÁN¹

IL-17E PRODUCTION IS ELEVATED IN THE LUNGS OF BALB/C MICE IN THE LATER STAGES OF *CHLAMYDIA MURIDARUM* INFECTION AND REINFECTION

¹Department of Medical Microbiology and Immunobiology, Faculty of Medicine; ²Department of Biotechnology, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary

17.00-17.15

POP-2

◆TÍMEA MOSOLYGÓ¹, EMESE PETRA BALOGH¹, ADRIENN KARAI¹, FANNI KERÉKES¹, DEZSŐ VIRÓK², VALÉRIA ENDRÉSZ¹, ILDIKÓ FALUDI¹, KATALIN BURIÁN¹

EXPRESSION OF *CHLAMYDIA MURIDARUM* PLASMID GENES AND IMMUNOGENICITY OF PGP3 AND PGP4 IN DIFFERENT MOUSE STRAINS

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

17.15-17.30

POP-3

DANIEL CRABTREE¹, ORSOLYA SÍPOS², KATA FILKOR², ERNŐ DUDA², CSABA VÁGVÖLGYI³, ◆FERENC SOMOGYVÁRI¹

INVESTIGATION OF IMMUNOLOGICAL MARKERS AFTER ELECTROSTIMULATION

¹Department of Medical Microbiology and Immunobiology; ²Department of Medical Biology, Faculty of Medicine; ³Department of Microbiology, Faculty of Sciences and Informatics, University of Szeged, Szeged, Hungary

17.30-17.45

POP-4

ADRIAN C. MAIER¹, OVIDIU MALAU¹, ◆ENIKŐ BARABÁS-HAJDÚ², F. COOS³, ORSOLYA MARTHA¹

A STRANGE LOCALIZATION OF HYDATID CYST AND ASSOCIATION WITH UROLOGICAL PATHOLOGY

¹Urology Department; ²Pharmacology, Clinical Pharmacy and Microbiology; ³General Surgery, University of Medicine and Pharmacy, Targu Mures, Romania

Thursday, October 17

Room No.2

8.30-10.30 Dániel Fehér Semi-plenary Session

Dániel Fehér (1890-1955), Hungarian forester–microbiologist. His discoveries in soil biology/microbiology became internationally known and accepted when he published the results of the 1936 scientific expedition to the Sahara and Sudan led by him. He founded several soil biology research laboratories in Hungary.

Chairpersons: Peter Raspor and Claudio Scazzocchio

8.30-9.00

FSP-1

◆ALEXANDER LICHUIS, VERENA SEIDL-SEIBOTH, BERNHARD SEIBOTH, CHRISTIAN P. KUBICEK

NUCLEO-CYTOPLASMIC SHUTTLING DYNAMICS OF THE TRANSCRIPTIONAL REGULATORS XYR1 AND CRE1 UNDER CONDITIONS OF CELLULASE AND XYLANASE GENE EXPRESSION IN *TRICHODERMA REESEI*

Department Biotechnology and Microbiology, University of Technology Vienna, Vienna, Austria

9.00-9.30

FSP-2

◆ANDRÁS SZEKERES¹, OTTÓ BENCsik¹, CSABA VÁRSZEGI¹, MÁTÉ VÁGVÖLGYI¹, BALÁZS LEITGEB², LÁSZLÓ KREDICS¹, CSABA VÁGVÖLGYI¹

REVIEW OF PEPTAIBOLS PRODUCED BY *TRICHODERMA* STRAINS RELATED TO THEIR PURIFICATIONS, STRUCTURAL ELUCIDATIONS AND BIOLOGICAL ACTIVITIES

¹Department of Microbiology, Faculty of Science and Informatics, University of Szeged; ²Institute of Biophysics, Biological Research Centre, Hungarian Academy of Sciences, Szeged, Hungary

9.30-10.00

FSP-3

TINA PARADŽIK¹, NIVES IVIĆ², ŽELIMIRA FILIĆ¹, BABU A.MANJASETTY³, PAUL HERRON⁴, MARIJA LUIĆ², ◆DUŠICA VUJAKLIJA¹

IMPLICATION OF SINGLE STRANDED DNA BINDING PROTEIN IN CHROMOSOME SEGREGATION DURING REPRODUCTIVE GROWTH OF *STREPTOMYCES COELICOLOR*

¹Division of Molecular Biology; ²Division of Physical Chemistry, Rudjer Boskovic Institute, Zagreb, Croatia; ³European Molecular Biology Laboratory, Grenoble Outstation and Unit of Virus Host-Cell Interactions, UJF-EMBL-CNRS, Grenoble, France, ⁴Strathclyde Institute of Pharmacy and Biomedical Sciences, University of Strathclyde, Glasgow, UK

10.00-10.30

FSP-4

◆BALÁZS VAJNA¹, RENÁTA BÁNFI¹, ZSUZSANNA POHNER¹, DÁNIEL SZILI¹, ADRIENN NAGY², KÁROLY MÁRIALIGETI¹

MICROBIOLOGICAL PROCESSES BEHIND OYSTER MUSHROOM (*PLEUROTUS OSTREATUS*) PRODUCTION – RESULTS OF THE LAST EIGHT YEARS RESEARCH

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

10.30-11.00 Coffee break

11.00-12.00 György Berencsi Memorial (Virology I) Session

György Berencsi (1941-2013), Hungarian physician, virologist, head of the Division for Virology, National Center for Epidemiology. He was an excellent virus-researcher and experimentalist, and played a crucial role in the polio-eradication in Hungary. He was the major promoter of the establishment of the Hungarian Biosafety Level 4 Laboratory. He held popular lectures on virology for students, professionals and non-professionals, reaching them through the media. His life-work was honoured with many professional and governmental awards.

Chairpersons: Mária Takács and Julius Rajcsányi

11.00-11.15

VOP-1

◆ JULIUS RAJCSÁNYI¹, KÁLMÁN SZENTHE¹, VLADIMÍRA ĎURMANOVÁ², BALÁZS ÁSVÁNYI³, JOHANNES SOLLNER¹, LÁSZLÓ STIPKOVITS³, ZSUZSA LANTOS⁴, ZSUZSA SZATHMÁRY³

EFFICACY OF A NOVEL EBV PEPTIDE VACCINE

¹Virology, RT-Europe Ltd., Mosonmagyaróvár, Hungary; ²Immunology, Medical Faculty, Comenius University, Bratislava, Slovakia; ³Food Microbiology, Galenbio Ltd.; ⁴Food Microbiology, Faculty of Food and Agriculture, University of West Hungary, Mosonmagyaróvár, Hungary

11.15-11.30

VOP-2

◆ JUDIT DEÁK¹, MÁRTA HÖGYE², MIKLÓS CSANÁDY², GABRIELLA TERHES¹, BEATRIX KELE¹, PÉTER SÁRVÁRI¹, RÓBERT SEPP², FARKAS SÜKÖSD³, BÉLA IVÁNYI³

DETECTION OF CARDIOTROP VIRUSES IN BIOPSY SAMPLES OF THE HEART IN DILATED CARDIOMYOPATHIES

¹Department of Clinical Microbiology; ²2nd Department of Medicine and Cardiology Centre; ³Department of Pathology, Faculty of Medicine, University of Szeged, Szeged, Hungary

11.30-11.45

VOP-3

◆ ATTILA FARANG, RÉKA LÉVAL, TÍMEA BARNA, KATALIN FÁBIÁN, GÁBOR KULCSÁR

AN OVERVIEW OF ACTIVITIES DONE BY NATIONAL FOOD CHAIN SAFETY OFFICE IN ANIBIOTHREAT BIOSECURITY PROJECT

Directorate of Veterinary Medicinal Products, National Food Chain Safety Office, Budapest, Hungary

11.45-12.00

VOP-4

◆ TÍMEA BORBÁLA PÓSA¹, ÁKOS GELLÉRT¹, KATALIN SALÁNKI², ERVIN BALÁZS¹, ANGÉLA JUHÁSZ¹

PLANT VIRUS AND HOST PROTEIN INTERACTIONS IN RELATION TO DISEASE SYMPTOM DEVELOPMENT

¹Applied Genomics Department, Agricultural Institute, Centre for Agricultural Research, Hungarian Academy of Sciences, Martonvásár; ²Virology Group, Department of Pathophysiology, Plant Protection Institute, Centre for Agricultural Research, Hungarian Academy of Sciences, Budapest, Hungary

12.00-15.00 Lunch break

15.00-16.15 Virology Session II

Chairpersons: József Kónya and Károly Nagy

15.00-15.15

VOP-5

SZILVIA KANIZSAI¹, ÁGOSTON GHIDÁN¹, JÁNOS ARADI², ◆ KÁROLY NAGY¹

MODIFYING CD4 BINDING SITE BY THYOLATED PYRIMIDINE NUCLEOTIDES RESULTS IN SELECTIVE CYTOTOXICITY OF HIV INFECTED CELLS

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

15.15-15.30

VOP-6

◆ IVA PODGORSKI, LAURA PANTÓ, BALÁZS HARRACH, MÁRIA BENKŐ

GENOMIC AND BIOINFORMATICS ANALYSIS OF SIMIAN ADENOVIRUS 19 CONFIRMS THE NEED TO ESTABLISH A NEW ADENOVIRUS SPECIES

Institute for Veterinary Medical Research, Centre for Agricultural Research, Hungarian Academy of Sciences, Budapest, Hungary

15.30-15.45

VOP-7

◆ ANITA SZALMÁS, ANNAMÁRIA FERENCZI, ESZTER ORAVECZNÉ GYÖNGYÖSI, BRIGITTA ANTALNÉ LÁSZLÓ, GYÖRGY VERESS, JÓZSEF KÓNYA

CHARACTERIZING THE INTERACTION BETWEEN THE HUMAN PAPILLOMAVIRUS TYPE 16 E7 ONCOPROTEIN AND THE SRC KINASE

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

15.45-16.00

VOP-8

◆ ESZTER ORAVECZNÉ GYÖNGYÖSI, ANITA SZALMÁS, ANNAMÁRIA FERENCZI, JÓZSEF KÓNYA, GYÖRGY VERESS

HUMAN PAPILLOMAVIRUS 16 ONCOPROTEINS ALTER THE EXPRESSION OF GENES IMPORTANT IN KERATINOCYTE DIFFERENTIATION

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

16.00-16.15

VOP-9

◆ ANNAMÁRIA FERENCZI, ESZTER GYÖNGYÖSI, ANITA SZALMÁS, JÓZSEF KÓNYA, GYÖRGY VERESS

SEQUENCE VARIATION OF HUMAN PAPILLOMAVIRUS (HPV) TYPE 31 E6 AND E7 ONCOPROTEINS: PHYLOGENETIC AND FUNCTIONAL IMPLICATIONS

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

Thursday, October 17

Room No. 3

11.00-12.55 Industrial Microbiology Session

Chairpersons: Levente Karaffa and Alexander Lichius

11.00-11.20

IOP-1

◆ LEVENTE KARAFFA¹, ERZSÉBET FEKETE¹, LEVENTE NOVÁK², PETER PUNT³, BERNHARD SEIBOTH⁴, CHRISTIAN P. KUBICEK⁵

MECHANISM OF THE INDUCTION OF CELLULASE GENES IN *TRICHODERMA REESEI* GROWN ON LACTOSE: A METABOLOMICS APPROACH

¹Department of Biochemical Engineering; ²Department of Colloid and Environmental Chemistry, Faculty of Science, University of Debrecen, Debrecen, Hungary; ³Fungal Biotechnology, TNO, Delft, The Netherlands; ⁴Research Area Biotechnology and Microbiology; ⁵Center of Industrial Biotechnology, TU Wien, Wien, Austria

11.20-11.40

IOP-2

MICHEL FLIPPHI¹, ◆ ERZSÉBET FEKETE¹, NORBERT ÁG¹, CLAUDIO SCAZZOCCHIO², LEVENTE KARAFFA¹

SPLICEOSOME TWIN INTRONS REVEALED BY FUNGAL NUCLEAR GENOMES

¹Department of Biochemical Engineering, Faculty of Science, University of Debrecen, Debrecen, Hungary; ²Department of Microbiology, Imperial College, London, UK

11.40-11.55

IOP-3

◆ ÁGOTA VASASNÉ JÓNÁS¹, ERZSÉBET FEKETE¹, MICHEL FLIPPHI¹, ERZSÉBET SÁNDOR², ÁKOS P. MOLNÁR¹, LEVENTE KARAFFA¹

LACTOSE CATABOLISM IN *PENICILLIUM CHRYSOGENUM*: PHYLOGENETIC AND EXPRESSION ANALYSIS OF THE PUTATIVE PERMEASE AND HYDROLASE GENES

¹Department of Biochemical Engineering, University of Debrecen; ²Institute of Food Processing, University of Debrecen, Debrecen, Hungary

11.55-12.10

IOP-4

◆ ZOLTÁN NÉMETH¹, ANDREA BORBÉLY¹, ERZSÉBET FEKETE¹, NANCY P. KELLER², LEVENTE KARAFFA¹

LACTOSE INDUCTION OF STERIGMATOCYSTIN FORMATION IN *ASPERGILLUS NIDULANS*

¹Department of Biochemical Engineering, Faculty of Science, University of Debrecen, Debrecen, Hungary; ²Department of Bacteriology, University of Wisconsin, Madison, USA

12.10-12.25

IOP-5

◆ ANDREA NYILASI^{1,2}, ZSOLT HORVÁTH¹, KORNÉL L. KOVÁCS^{1,2}, GÁBOR RÁKHELY^{1,2}

HYDROGEN PRODUCTION FROM LACTATE BY A PURPLE SULFUR PHOTOTROPHIC BACTERIUM

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

12.25-12.40

IOP-6

◆ ANNA HORVÁTH¹, ANNA RÁCZ-MÓNUS¹, PETER BUCHWALD², ÁKOS SVEICZER¹

CELL LENGTH GROWTH IN FISSION YEAST IS BILINEAR AND TENDS TO HAVE A SMOOTH TRANSITION SEGMENT

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

University of Miami, Miami, USA

12.40-12.55

IOP-7

◆ÁRON NÉMETH, REBEKA TAKÁCS, BÉLA SEVELLA

NEW PRIMYCIN PRODUCING STRAIN(S)

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

12.55-16.00 Lunch break

16.00-17.30 Environmental Microbiology and Biotechnology Session I

Chairpersons: Erika Tóth and Andrea K. Borsodi

16.00-16.15

EOP-1

◆KRISZTIÁN LACZI¹, ÁGNES KIS¹, ATTILA BODOR², GÁBOR RÁKHELY¹, KATALIN PEREI¹

MOLECULAR AND PHYSIOLOGICAL COMPARISON OF TWO HYDROCARBON DEGRADING RHODOCOCCLUS STRAINS

¹Department of Biotechnology, Faculty of Science and Informatics, University of Szeged; ²Corax Bioner Corp., Szeged, Hungary

16.15-16.30

EOP-2

◆TIBOR BENEDEK¹, ANDRÁS TÁNCICS¹, NIKOLETT SZILÁGYI², IMRE TÓTH², MILÁN FARKAS¹, SÁNDOR SZOBOSZLAY³, CSILLA KRIFATON³, MÁTYÁS HARTMAN³, BALÁZS KRISZTI³

MOLECULAR MICROBIOLOGICAL ANALYSIS OF BIOFILM BACTERIAL COMMUNITIES RESPONSIBLE FOR CARBON REMOVAL THROUGH A WASTEWATER TREATING REACTOR CASCADE SYSTEM

¹Regional University Center of Excellence in Environmental Industry, Szent István University, Gödöllő; ²Organica Technologies Inc., Budapest; ³Department of Environmental Protection and Safety, Szent István University, Gödöllő, Hungary

16.30-16.45

EOP-3

◆ORSOLYA STRANG, ZOLTÁN BAGI, KORNÉL L. KOVÁCS

ANAEROBIC BIODEGRADATION OF CELLULOSE RICH SUBSTRATES

Department of Biotechnology, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary

16.45-17.00

EOP-4

◆LORÁNT HATVANI¹, LÁSZLÓ MANCZINGER¹, LÍVIA VIDÁCS², ISIDORA RADULOV³, LUCIAN NITA³, CSABA VÁGVÖLGYI¹

COMPLETE DEGRADATION OF ACETANILIDE BY A CONSORTIUM OF MICROBES ISOLATED FROM RIVER MAROS

¹Department of Microbiology, Faculty of Science and Informatics, University of Szeged; ²ATI-VIZIG, Directorate for Water Management, Szeged, Hungary; ³Department III - Soil Sciences, Banat University of Agricultural Sciences and Veterinary Medicine, Timisoara, Romania

17.00-17.15

EOP-5

BAYOUMI HAMUDA HOSAM

CORRELATION BETWEEN PLANT-SOIL-MICROBE INTERACTIONS OF WASTEWATER SLUDGE-BORNE HEAVY METALS AND THE EFFECT ON SUNFLOWER SEEDLING GROWTH

Institute of Environmental Protection Engineering, Rejtő Sándor Faculty of Light Industry and Environmental Engineering, Óbuda University, Budapest, Hungary

Thursday, October 17

Room Gulács

11.00-12.00 Agricultural and Food Microbiology Session I

Chairpersons: Erzsébet Sándor and József Kukolya

11.00-11.15

AFP-1

◆ PÉTER KÖRMÖCZI¹, LÁSZLÓ KREDICS¹, GORDANA DANILOVIĆ², LJUBINKO JOVANOVIĆ³, LÁSZLÓ MANCZINGER¹, DEJANA PANKOVIĆ², CSABA VÁGVÖLGYI¹

POSSIBILITIES OF BIOREMEDIATION, BIOCONTROL AND PLANT GROWTH PROMOTION WITH *TRICHODERMA* STRAINS ISOLATED FROM VEGETABLE RHIZOSPHERE SAMPLES

¹Department of Microbiology, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary; ²Faculty of Environmental Protection; ³Faculty of Ecological Agriculture, Educons University, Osijek, Serbia

11.15-11.30

AFP-2

◆ ERZSÉBET SÁNDOR¹, ERZSÉBET FEKETE², LEVENTE KARAFFA², MICHEL FLIPPHI², MARIANN ÁRNYASI³, KÁLMÁN Z. VÁCZY⁴, MOJTABA ASADOLLAHI²

SYMPATRIC DIFFERENTIATION OF *BOTRYTIS CINEREA* POPULATIONS ON TWO HOST PLANTS

¹Quality Assurance and Microbiology, Institute of Food Processing; ²Department of Biochemical Engineering; ³Institute of Animal Science, University of Debrecen, Debrecen; ⁴Research Institute for Viticulture and Enology, KRC, Eger, Hungary

11.30-11.45

AFP-3

◆ ZOLTÁN FÜSTÖS, ÁGNES BELÁK, MÓNIKA KOVÁCS, ANNA MARÁZ

BIODIVERSITY OF ENDOPHYTIC BACTERIA ISOLATED FROM DIFFERENT *CAPSICUM ANNUUM* VAR. *GROSSUM* CULTIVARS AND THEIR EFFECT ON SEED GERMINATION

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

11.45-12.00

AFP-4

◆ ÁGNES FEHÉR¹, KATALIN KRISZTALOVICS¹, JUDIT PÁSZTI², MÁRIA HERPAY³

NATIONWIDE OUTBREAK OF *SALMONELLA STANLEY* IN HUNGARY, 2012 – 2013: ROLE OF ENVIRONMENTAL INVESTIGATIONS

¹Department of Epidemiology; ²Department of Fage Typing and Molecular Epidemiology; ³2nd Department of Bacteriology, National Center for Epidemiology, Budapest, Hungary

12.00-14.00 Lunch break

14.00-16.10 **Tibor Deák Memorial (Mycology I) Session**

Tibor Deák (1935-2013), an outstanding Hungarian food mycologist, who published several books and bookchapters dealing with food spoilage yeasts. He worked as a professor in the Corvinus University of Budapest and established the National Collection of Agricultural and Industrial Microorganisms (NCAIM). He also served as the head of the Food and Agricultural Microbiology Session, HSM from 2008 till his death. He got a Manninger award in 1991.

Chairpersons: Anna Maráz and Attila Gácsér

14.00-14.20

MOP-1

ANNA MARÁZ

IN MEMORIAM TIBOR DEÁK: YEASTS IN SCIENCE AND TECHNOLOGY

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

14.20-14.40

MOP-2

◆ LÁSZLÓ GALGÓCZY¹, LAURA KOVÁCS¹, MÁTÉ VIRÁGH¹, LILIÁNA TÓTH¹, TAMÁS PAPP¹, FLORENTINE MARX², CSABA VÁGVÖLGYI¹

NFAP: A NOVEL CYSTEINE-RICH ANTIFUNGAL PROTEIN FROM *NEOSARTORYA FISCHERI*

¹Department of Microbiology, Faculty of Sciences and Informatics, University of Szeged, Szeged, Hungary; ²Division of Molecular Biology, Innsbruck Medical University, Innsbruck, Austria

14.40-14.55

MOP-3

◆ GÁBOR MÁTÉ¹, ZOLTÁN GAZDAG¹, GÁBOR PAPP¹, NÓRA MIKE¹, ISTVÁN PÓCSI², MIKLÓS PESTI¹

CITRININ-INDUCED UNBALANCED OXIDO-REDUCTION STATE OF *SCHIZOSACCHAROMYCES POMBE* CELLS

¹Department of General and Environmental Microbiology, Faculty of Sciences, University of Pécs, Pécs; ²Department of Microbial Biotechnology and Cell Biology, Faculty of Science, University of Debrecen, Debrecen, Hungary

14.55-15.10

MOP-4

◆ NÓRA MIKE¹, GÁBOR PAPP¹, ZOLTÁN GAZDAG¹, GÁBOR MÁTÉ¹, ZSUZSANNA CZIBULYA², MÁTÉ SÁNDOR KUNSÁGI², MILAN CERTIK³, MIKLÓS PESTI¹

THE OXIDATIVE STRESS INDUCING ABILITY OF ZEARALENONE – A NON-ESTROGEN SPECIFIC EFFECT IN THE FISSION YEAST

¹Department of General and Environmental Microbiology; ²Department of General and Physical Chemistry, Faculty of Sciences, University of Pécs, Pécs, Hungary; ³Department of Biochemical Technology, Slovak University of Technology in Bratislava, Bratislava, Slovakia

15.10-15.25

MOP-5

◆ GÁBOR PAPP, GÁBOR MÁTÉ, NÓRA MIKE, ZOLTÁN GAZDAG, ANITA BALOGH, MIKLÓS PESTI

SYNERGISTIC INTERACTIVE EFFECTS OF PATULIN AND CITRININ MYCOTOXINS IN FISSION YEAST

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

15.25-15.40

MOP-6

◆ GERGŐ J. SZARKÁNDI¹, BÁLINT DIMA¹, SÁNDOR KOCSUBÉ¹, TAMÁS PAPP¹, CSABA VÁGVÖLGYI¹, LÁSZLÓ G. NAGY^{1,2}

TEMPO AND MODE OF EVOLUTION AMONG MUSHROOMS: ANALYSIS OF DIVERSIFICATION RATES IN THE AGARICALES

¹Department of Microbiology, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary; ²Department of Biology, Clark University, Worcester, USA

15.40-16.10 Coffee break

16.10-17.55 Mycology Session II

Chairpersons: Peter Raspor and Csaba Vágvölgyi

16.10-16.25

MOP-7

◆ HELENA BUJDÁKOVÁ¹, EMA PAULOVIČOVÁ², ZUZANA ŠÍMOVÁ¹, JAROSLAVA CHUPÁČOVÁ¹, LUCIA ČERNÁKOVÁ¹, ANDREA ŠOLTÝSOVÁ³

THE IMPACT OF THE *CANDIDA* SURFACE ANTIGEN FROM THE DING PROTEIN FAMILY ON VIRULENCE OF CLINICALLY IMPORTANT YEASTS FROM THIS GENUS - A GENERAL SYNOPSIS

¹Department of Microbiology and Virology, Faculty of Natural Sciences, Comenius University, Bratislava; ²Department of Immunochemistry of Glycoconjugates, Centre of Excellence Glycomed, Institute of Chemistry, Slovak Academy of Sciences, Bratislava; ³Department of Molecular Biology, Faculty of Natural Sciences, Comenius University, Bratislava, Slovakia

16.25-16.40

MOP-8

◆ TIBOR MIHÁLY NÉMETH¹, L. P. PRYSZCZ², T. GABALDÓN², CSABA VÁGVÖLGYI¹, ATTILA GÁCSE¹

GENOMIC DIFFERENCES AMONG VARIOUS ISOLATES OF THE PATHOGENIC YEAST *CANDIDA PARAPSILOSIS*

¹Department of Microbiology, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary; ²Bioinformatics and Genomics Programme, Centre for Genomic Regulation, Barcelona, Spain

16.40-16.55

MOP-9

◆ ADÉL TÓTH¹, KATALIN CSONKA¹, CSABA VIZLER², CSABA VÁGVÖLGYI¹, ATTILA GÁCSE¹

INTERACTIONS BETWEEN HUMAN MACROPHAGES AND *CANDIDA PARAPSILOSIS* – MODULATION OF HOST IMMUNE RESPONSE BY SECRETED FUNGAL LIPASES

¹Department of Biotechnology, Faculty of Science and Informatics, University of Szeged; ²Institute of Biochemistry, Biological Research Centre, Hungarian Academy of Sciences, Szeged, Hungary

16.55-17.10

MOP-10

◆ PÉTER HORVÁTH, RENÁTA TÓTH, CSABA VÁGVÖLGYI, ATTILA GÁCSE

GENE OVER-EXPRESSION STRATEGY FOR THE HUMAN PATHOGEN YEAST *CANDIDA PARAPSILOSIS*

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

17.10-17.25

MOP-11

◆ ZSUZSANNA GRÓZER, ZSUZSANNA HAMARI, RENÁTA TÓTH, CSABA VÁGVÖLGYI, ATTILA GÁCSE

THE ROLE OF FUNGAL PROSTAGLANDIN-LIKE MOLECULES IN VIRULENCE AND THEIR BIOSYNTHETIC PATHWAY IN *CANDIDA PARAPSILOSIS*

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

17.25-17.40

MOP-12

ÁGNES BLASKÓ¹, ◆ ZOLTÁN GAZDAG², PÁL GRÓF³, GÁBOR MATÉ², SZILVIA SÁROSI⁴, LILLA CZUNI², JUDIT KRISCH⁵, CSABA VÁGVÖLGYI⁶, MIKLÓS PESTI²

EFFECTS OF CLARY SAGE OIL AND ITS MAIN COMPONENTS LINALOOL AND LINALYL ACETATE ON *CANDIDA ALBICANS*

¹Institute of Bioanalysis, Faculty of Medicine; ²Department of General and Environmental Microbiology, Faculty of Sciences, University of Pécs, Pécs; ³Institute of Biophysics and Radiation Biology, Faculty of Medicine, Semmelweis University, Budapest; ⁴Department of Medical and Aromatic Plants, Faculty of Horticultural Sciences, Corvinus University of Budapest, Budapest; ⁵Institute of Food Engineering, Faculty of Engineering; ⁶Department of Microbiology, Faculty of Sciences and Informatics, University of Szeged, Szeged, Hungary

17.40-17.55

MOP-13

◆MÁTÉ VIRÁGH¹, DÓRA VÖRÖS¹, LAURA KOVÁCS¹, ZOLTÁN KELE², ÁDÁM FIZIL³, GERGELY LAKATOS⁴, GERGELY MARÓTI⁴, GYULA BATTÁ³, CSABA VÁGVÖLGYI¹, LÁSZLÓ GALGÓCZY¹

HETEROLOGOUS EXPRESSION OF *NEOSARTORYA FISCHERI* ANTIFUNGAL PROTEIN IN *PICHLIA PASTORIS* AND ITS ANTIFUNGAL ACTIVITY AGAINST FILAMENTOUS FUNGAL ISOLATES FROM HUMAN INFECTIONS

¹Department of Microbiology, Faculty of Science and Informatics; ²Department of Medical Chemistry, Faculty of Medicine, University of Szeged, Szeged; ³Department of Organic Chemistry, University of Debrecen, Debrecen; ⁴Institute of Biochemistry, Biological Research Centre, Hungarian Academy of Sciences, Szeged, Hungary

Thursday, October 17

Poster Room

13.00-14.00 Bacteriology Poster Session

BPP-1

◆DOMONKOS SVÁB¹, BALÁZS HORVÁTH², ATTILA SZÜCS², GERGELY MARÓTI², ISTVÁN TÓTH¹

DRAFT GENOME SEQUENCE OF A BOVINE *ESCHERICHIA COLI* O157:H43 STRAIN REPRESENTING A NOVEL GENOTYPE

¹Enteric Bacteriology, Institute for Veterinary Medical Research, Centre for Agricultural Research, Hungarian Academy of Sciences, Budapest; ²Microbial Genomics, Institute of Biochemistry, Biological Research Centre, Hungarian Academy of Sciences, Szeged, Hungary

BPP-2

MELINDA GUBA¹, ENIKŐ SAJBEN¹, CSABA VÁGVÖLGYI¹, TAMÁS PAPP¹, RENTSSENKHAND TSERENNADMID², ◆LÁSZLÓ GALGÓCZY¹

ANTIDERMATOPHYTIC ACTIVITY OF A *BACILLUS MOJAVENSIS* STRAIN ISOLATED FROM MUMIJO A TRADITIONAL MONGOLIAN MEDICINE

¹Department of Microbiology, Faculty of Sciences and Informatics, University of Szeged, Szeged, Hungary; ²Institute of Biology, Mongolian Academy of Sciences, Ulan Bator, Mongolia

BPP-3

CHRISTINA FORSTNER¹, VERENA SPERTINI², ◆WOLFGANG GRANINGER¹, MARIA MACHER³, ELISABETH PRESTERL²

LINEAR RELATIONSHIP BETWEEN GLYCOPEPTIDE USE AND THE INCIDENCE OF VANCOMYCIN-RESISTANT *ENTEROCOCCUS*

¹Department of Internal Medicine I; ²Clinical Institute of Hospital Hygiene, Medical University Vienna; ³Hospital Pharmacy, General Hospital Vienna, Vienna, Austria

BPP-4

PETER STARZENGRUBER¹, LUIGI SEGAGNI-LUSIGNANI², THOMAS WRBA³, DIETER MITTEREGGER⁴, ◆WOLFGANG GRANINGER¹, ELISABETH PRESTERL², MAGDA DIAB-ELSCHAHAWI²

CLINICAL COURSE OF *CLOSTRIDIUM DIFFICILE* INFECTION AT THE VIENNA UNIVERSITY HOSPITAL IN 2012: A RETROSPECTIVE CHART ANALYSIS

¹Department of Internal Medicine I; ²Clinical Institute of Hospital Hygiene; ³Center for Medical Statistics, Informatics and Intelligent Systems; ⁴Department of Laboratory Medicine, Medical University Vienna, Vienna, Austria

BPP-5

◆ILDIKÓ LANTOS¹, ANITA BOGDANOV², VALÉRIA ENDRÉSZ¹, SZABOLCS URBÁN³, JUDIT DEÁK², KATALIN BURIÁN¹, KAMIL ÖNDER⁴, PÉTER BALÁZS³, DEZSÓ P. VIRÓK²

APPLICATION OF DNA CHIP SCANNING TECHNOLOGY FOR THE AUTOMATIC DETECTION OF *CHLAMYDIA TRACHOMATIS* AND *CHLAMYDIA PNEUMONIAE* INCLUSIONS

¹Department of Medical Microbiology and Immunobiology; ²Institute of Clinical Microbiology; ³Institute of Informatics, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary; ⁴Department of Dermatology, Paracelsus Medical University, Salzburg, Austria

BPP-6

IVICA ZURAK

ANTIBIOTIC-BILE SELENIT-F BROTH/AGAR

Microbiology Department, University Hospital Centre, Zagreb, Croatia

BPP-7

◆BOGLÁRKA SELLYEI¹, BARBARA UJVÁRI², KRISZTIÁN BÁNYAI¹, TIBOR MAGYAR²

DISTRIBUTION OF ADHESION FACTORS AND THEIR IMPACT ON THE PATHOGENICITY OF BOVINE *PASTEURELLA MULTOCIDA* STRAINS IN BOVINE RESPIRATORY DISEASE

¹Pathogen Discovery; ²Respiratory Bacteriology, Institute for Veterinary Medical Research, Center for Agricultural Research, Hungarian Academy of Sciences, Budapest, Hungary

BPP-8

◆ ANDREA LÁZÁR¹, MARIANN ÁBRÓK¹, NOÉMI BARTHA¹, ÁKOS TÓTH², EDIT URBÁN¹

VANCOMYCIN RESISTANT ENTEROCOCCI ISOLATED IN UNIVERSITY OF SZEGED ALBERT SZENT-GYÖRGYI CLINICAL CENTER DEPARTMENT OF CLINICAL MICROBIOLOGY

¹Institute of Clinical Microbiology, Faculty of Medicine, University of Szeged, Szeged; ²Department of Bacteriology, National Center for Epidemiology, Budapest, Hungary

BPP-9

◆ VIKTOR SÁNDOR FENYVESI¹, JÓZSEF SÓKI¹, GÁBOR DECSI², ZSÓFIA TARNAI², PÉTER GYULA³, ZOLTÁN BIHARI³, EDIT URBÁN¹, JÁNOS MINÁROVITS², KATALIN NAGY²

MICROBIOLOGICAL INVESTIGATION OF ORAL MALIGNANCIES BY THE MALDI-TOF MS METHOD

¹Institute of Clinical Microbiology, Faculty of Medicine; ²Department of Oral Biology and Experimental Dentistry, Faculty of Dentistry, University of Szeged; ³Department of Metagenomics, BAY-BIO, Szeged, Hungary

BPP-10

◆ HANA DRAHOVSKÁ¹, DOMINIKA MACEJOVSKA¹, KATARINA SOLTYS¹, TIBOR HLAVATY², STANISLAV STUCHLIK¹

QUANTIFICATION OF FAECAL MICROFLORA IN IBD PATIENTS USING REAL TIME PCR

¹Department of Molecular Biology; ²5th Internal Medicine Department, Comenius University in Bratislava, Bratislava, Slovakia

BPP-11

◆ LUCIA OSLANECOVÁ, MICHAL KAJŠÍK, JÁN TURŇA, HANA DRAHOVSKÁ

CHARACTERIZATION OF BACTERIOPHAGES INFECTING *CRONOBACTER* SPP.

Department of Molecular Biology, Faculty of Natural Sciences, Comenius University, Bratislava, Slovakia

BPP-12

◆ ZSUZSA EITEL, JÓZSEF SÓKI, ELISABETH NAGY, GABRIELLA TERHES, EDIT URBÁN

INVESTIGATION OF THE MICs OF FIDAXOMICIN AGAINST HUNGARIAN *CLOSTRIDIUM DIFFICILE* STRAINS

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

BPP-13

◆ ZSUZSA EITEL¹, EDIT SZÉKELY², SZABOLCS MOLNÁR³, EDIT URBÁN¹, LILLA LÓRINCZI², ELISABETH NAGY¹, JÓZSEF SÓKI¹

GENETIC ANALYSIS OF *BACTEROIDES* STRAINS ISOLATED AT TARGU-MURES IN 2010-2013

¹Institute of Clinical Microbiology, Faculty of Medicine, University of Szeged, Szeged, Hungary; ²Department of Microbiology, University of Medicine and Pharmacy, Targu Mures; ³Microbiology Laboratory, Mures County Emergency Hospital, Targu Mures, Romania

BPP-14

HEIMO LAGLER¹, KARINA KRZIWANEK², KARIN LAKOVITS¹, RAINER GATTRINGER², FERENC ROZGONYI³, ◆ WOLFGANG GRANINGER¹

EXOTOXIN-PROFILING OF PANTON-VALENTINE LEUKOCIDIN POSITIVE MSSA VERSUS MRSA

¹Department of Internal Medicine I, Medical University Vienna; ²Department of Hygiene, Microbiology and Tropical Medicine, Elisabethinen Hospital; Vienna, Austria; ³Institute of Medical Microbiology, Faculty of Medicine, Semmelweis University, Budapest, Hungary

BPP-15

◆ JUDIT K. KOVÁCS¹, FELŐ PÉTER¹, LEVENTE EMŐDY^{1,2}, GYÖRGY SCHNEIDER¹, BÉLA KOCSIS¹

LIPOPOLISACCHARIDE STRUCTURE BASED COMPARATIVE ANALYSIS OF DIFFERENT *CAMPYLOBACTER JEJUNI* STRAINS

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

13.00-13.30 Agricultural Microbiology Poster Session

APP-1

◆ ERIKA GREIPEL, JÓZSEF KUTASI

DETECTION OF CYTOKININE AND GIBBERELLIN-LIKE PLANT HORMONES IN *SCENEDESMUS OBTUSIUSCULUS* AND *CHLORELLA MINUTISSIMA* CULTURES

Department of Phycology, Albitech Biotechnology Ltd., Budapest, Hungary

APP-2

◆ ERZSÉBET SÁNDOR¹, ANIKÓ SZOJKA¹, ERZSÉBET FEKETE², LEVENTE KARAFFA², FERENC TAKÁCS³, MICHEL FLIPPHI², MOJTABA ASADOLLAHI²

DIVERSITY OF THE CYTOCHROME B GENE COINCIDES WITH CHANGES IN THE QUINOL OXIDATION INHIBITOR RESISTANCE OF HUNGARIAN *BOTRYTIS CINEREA* ISOLATES

¹Quality Assurance and Microbiology, Institute of Food Processing; ²Department of Biochemical Engineering, Faculty of Science; ³Research and Extension Centre for Fruit Growing, Faculty of Agriculture, University of Debrecen, Debrecen, Hungary

APP-3

◆ ERZSÉBET SÁNDOR¹, HONGTAO XIE¹, CSILLA KOVÁCS¹, ANIKÓ SZOJKA¹, ZOLTÁN BIHARI², FERENC PELES¹

FIRST TAXONOMICAL SURVEY OF FUNGI ISOLATED FROM GRAPEVINE TRUNK DISEASES IN THE TOKAJ WINE REGION, HUNGARY

¹Quality Assurance and Microbiology, Institute of Food Processing, University of Debrecen, Debrecen; ²Research Institute for Viticulture and Oenology, Tokaj, Hungary

APP-4

◆ TÜNDE TAKÁCS¹, ANNA FÜZY¹, KÁLMÁN RAJKAI², IMRE CSERESNYÉS²

DETECTION OF FUNCTIONAL VARIABILITY OF TWO AM FUNGI STRAINS WITH ELECTRICAL IMPEDANCE AND CAPACITANCE METHOD

¹Department of Soil Biology and Biotechnology; ²Department of Soil Science, Institute for Soil Sciences and Agricultural Chemistry, Centre for Agricultural Research, Budapest, Hungary

APP-5

◆ ZSOLT SÁNDOR, ÁGNES ZSUPOSNÉ OLÁH, ANITA JAKAB, MAGDOLNA TÁLLAI, JÁNOS KÁTAI

COMPARISON OF DIFFERENT STATIC SOIL RESPIRATION METHODS IN AN INCUBATION EXPERIMENT SETTING UP ON CHERNOZEM SOIL

Institute of Agricultural Chemistry and Soil Science, Faculty of Agriculture, University of Debrecen, Debrecen, Hungary

APP-6

◆ ANITA JAKAB, ANDREA BALLÁNÉ KOVÁCS, ZSOLT SÁNDOR, ZSUZSA KOVÁCS, JÁNOS KÁTAI

IMPACT OF MICROBIOLOGICAL PREPARATIONS ON SOME PARAMETERS OF HUMOUS SANDY SOIL

Institute of Agricultural Chemistry and Soil Sciences, Faculty of Agricultural a Food Sciences and Environmental Management, University of Debrecen, Debrecen, Hungary

APP-7

◆ RITA KOVÁCS, BOGLÁRKA RIZÓ, CSILLA IMRE, ILDIKÓ PUSPÁN, JÓZSEF KUTASI

DETECTION OF AUXIN TYPE INDOL COMPOUNDS IN BACTERIA ISOLATED FROM SOIL AND THE DETERMINATION OF INDOL-3-ACETIC ACID CONCENTRATION OF CULTURES

Department of Agricultural Microbiology, Biofil Microbiological, Biotechnological and Biochemical Ltd., Budapest, Hungary

APP-8

ORSOLYA GAZDAG, ATTILA MURÁNYI, ◆ LÁSZLÓ KÖDÖBÖCZ

COMPARISON OF DIFFERENT MECHANICAL LYSIS METHODS FOR THE ISOLATION OF SOIL COMMUNITY DNA

Department of Soil Biology and Biochemistry, Institute for Soil Sciences and Agricultural Chemistry, Centre for Agricultural Research,

Hungarian Academy of Sciences, Budapest, Hungary

APP-9

◆ ANITA RISA¹, CSILLA KRIFATON¹, MÁTYÁS CSERHÁTI¹, JÓZSEF KUKOLYA², BALÁZS KRISZT¹

BIODETOXIFICATION OF ZEARELENONE BY EXTRACELLULAR EXTRACTS OF *RHODOCOCCUS* SPECIES

¹Department of Environmental Protection and Safety, Szent István University, Gödöllő; ²Department of Microbiology, Environmental and Food Science Research Institute, Budapest, Hungary

APP-10

◆ ANITA VÉGH, ANITA DUDÁS, LÁSZLÓ PALKOVICS

FIRST REPORT OF ERWINIA AMYLOVORA CAUSING FIRE BLIGHT ON CHERRY PLUM IN HUNGARY AND SUSCEPTIBILITY OF CHERRY AND SOURCHERRY CULTIVARS

Department of Plant Pathology, Faculty of Horticulture, Corvinus University of Budapest, Budapest, Hungary

13.30-14.00 Food Microbiology Poster Session

FPP-1

◆ CSABA NÉMETH¹, KÁLMÁN TÓTH¹, CSABA BALLA², LÁSZLÓ FRIEDRICH²

REPRODUCIBILITY OF LIQUID EGG HHP TREATMENT

¹Powder Workshop, Capriovus Ltd.; ²Department of Refrigeration and Livestock Products, Faculty of Food Science, Corvinus University of Budapest, Budapest, Hungary

FPP-2

◆ ILDIKÓ BATA-VIDÁCS, OLIVIA CSERNUS, JÓZSEF HEGÓCZKI, ERZSÉBET BAKA, ÁKOS TÓTH, JUDIT BECZNER, CSABA DOBOLYI, JÓZSEF KUKOLYA

MONITORING MICROBIAL CONTAMINANTS OF PAPRIKA POWDER IN THE FRAME OF EU-FP7 SPICED PROJECT

Microbiology Department, Central Environmental and Food Science Research Institute, Budapest, Hungary

FPP-3

◆ OLIVIA CSERNUS¹, CSABA DOBOLYI², FLÓRA SEBŐK², M. TÓTH³, JUDIT BECZNER¹

CHARACTERISATION OF THE APPLE SURFACE MYCOTA

¹Department of Microbiology, Central Environmental and Food Science Research Institute, Budapest; ²Department of Environmental Protection and Environmental Safety, Szent István University, Gödöllő; ³Department of Pomology, Faculty of Horticultural Science, Corvinus University of Budapest, Budapest, Hungary

FPP-4

BEATRIX SZABÓ-NÓTIN¹, SZILÁRD KUN², ◆ CSABA NÉMETH³, JÓZSEF BARTA¹, MÓNICA STÉGER-MÁTÉ¹

ANTIMICROBIAL EFFECT OF APPLE POMACE EXTRACTS

¹Department of Food Preservation; ²Department of Brewing and Distilling, Faculty of Food Science, Corvinus University of Budapest; ³Powder Workshop, Capriovus Ltd., Budapest, Hungary

FPP-5

◆ PETRA HAVAS, SZILÁRD KUN, CSILLA KALINÁK, IVETT TÓTH, JUDIT REZESSY-SZABÓ

INVESTIGATION OF INTERACTION BETWEEN PROBIOTIC BACTERIA AND POTENTIAL PATHOGEN MICROORGANISMS

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

FPP-6

◆ ÁGNES BELÁK, ANNA MARÁZ

INHIBITION OF *LISTERIA MONOCYTOGENES* AND *ESCHERICHIA COLI* EHEC BY

ANTAGONISTIC BACTERIA ISOLATED FROM FOOD RAW MATERIAL OF ANIMAL ORIGIN

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

FPP-7

LÁSZLÓ KREDICS¹, ♦PÉTER KÖRMÖCZI¹, RÓBERT KORMÁNYOS², BOGLÁRKA LENGYEL², GERGŐ KORMÁNYOS², CSABA VÁGVÖLGYI¹

BIOCONTROL POTENTIAL OF *PHOTORHABDUS LUMINESCENS* (ENTEROBACTERIACEAE) AGAINST PESTS IN MUSHROOM PRODUCTION

¹Department of Microbiology, Faculty of Science and Informatics, University of Szeged, Szeged; ²Bolyai Secondary Grammar School and College for Gifted Students, Senta, Serbia

FPP-8

♦RENÁTA KUGLER¹, AMA SZMOLKA¹, ISTVÁN TÓTH¹, DOMONKOS SVÁB¹, NÓRA SCHWEITZER², BÉLA NAGY¹

MULTIDRUG-RESISTANT *E. COLI* AND COLIFORMS IN CONFISCATED FOODS OF NON-SCHENGEN ORIGIN

¹Enteric Bacteriology and Foodborne Zoonoses, Institute for Veterinary Medical Research, Centre for Agricultural Research, Hungarian Academy of Sciences; ²Veterinary Diagnostic Directorate, National Food Chain Safety Office, Budapest, Hungary

FPP-9

♦BEÁTA ERIKA KERESKES¹, MIKLÓS TAKÓ¹, CSABA VÁGVÖLGYI¹, JUDIT KRISCH²

EFFECT OF ESSENTIAL OILS AND THEIR MAIN COMPONENTS ON THE FORMATION OF *LISTERIA MONOCYTOGENES* BIOFILMS

¹Department of Microbiology, Faculty of Science and Informatics; ²Institute of Food Engineering, Faculty of Engineering, University of Szeged, Szeged, Hungary

FPP-10

♦ATTILA GÁBOR KOVÁCS, ÁGOSTON HOSCHKE, ILONA GÁBORNÉ PANYIK, QUANG D. NGUYEN

EFFECTS OF YEAST STRAINS AND ACIDS ON ALCOHOLIC FERMENTATION OF PEAR

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

FPP-11

♦TAMÁS PAPP¹, ÁRPÁD CSERNETICS¹, GÁBOR NAGY¹, KRISZTINA KRIZSÁN¹, JEAN-LUC JANY², GEORGE BARBIER², CSABA VÁGVÖLGYI¹

CAROTENE BIOSYNTHESIS GENES OF A *MUCOR RACEMOSUS* STRAIN ISOLATED FROM CHEESE PROCESSING

¹Department of Microbiology, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary; ²LUBEM, University of Brest, Brest, France

14.00-15.00 Virology Poster Session

VPP-1

♦KATALIN SZENTPÁLI-GAVALLÉR¹, KRISZTIÁN BÁNYAI², ÁDÁM BÁLINT¹, ÁDÁM DÁN³, MIHÁLY TÓTH⁴, LÁSZLÓ ANTAL⁴, GÁBOR KEMENESI⁵, FERENC JAKAB⁵, ZOLTÁN SOLTÉSZ⁶, TAMÁS BAKONYI⁷

MONITORING OF WEST NILE VIRUS IN MOSQUITOES DURING 2011-2012, HUNGARY

¹Virology, Directorate of Animal-health Diagnostics, National Food Chain Safety Office; ²Virology, Institute for Veterinary Medical Research, Centre for Agricultural Research, Hungarian Academy of Sciences; ³Molecular Biology, Directorate of Animal-health Diagnostics, National Food Chain Safety Office, Budapest; ⁴Hydrobiology, Faculty of Science and Technology, University of Debrecen, Debrecen; ⁵Virological Research Group, János Szentágothai Research Center, University of Pécs, Pécs; ⁶Environmental Sciences Doctoral School, Faculty of Science, Eötvös Loránd University; ⁷Microbiology and Infectious Diseases, Faculty of Veterinary Science, Szent István University, Budapest, Hungary

VPP-2

♦PETER PANČÍK¹, VLADENA BAUEROVÁ², MARCELA KÚDELOVÁ¹

PURIFICATION OF TWO ISOFORMS OF NATIVE RECOMBINANT M3 PROTEIN OF MURID

HERPESVIRUS 4 AND CHARACTERIZATION OF ITS CHEMOKINE-BINDING PROPERTIES

¹Department of Molecular Pathogenesis of Viruses, Institute of Virology; ²Institute of Molecular Biology, Slovak Academy of Sciences, Bratislava, Slovakia

VPP-3

◆MÁTÉ JANKOVICS¹, JÚLIA SARKADI², ILDIKÓ VISONTAI¹, KINGA FODOR³, ZOLTÁN KIS², MÁRIA TAKÁCS⁴, ÉVA GÖNCZÖL⁴, ISTVÁN JANKOVICS²

COMPARISON OF THE HUMORAL IMMUNE RESPONSES AFTER INTRADERMAL OR INTRAMUSCULAR IMMUNIZATION OF INFLUENZA A H5N1 AND H7N9 VIRUSES

¹Department of Quality Assurance; ²Department of Respiratory Viruses; ³Animal House; ⁴Division of Virology, National Center for Epidemiology, Budapest, Hungary

VPP-4

◆ZOLTÁN LÁSZLÓ TARJÁN, JUDIT J. PÉNZES, RÓZA P. TÓTH, MÁRIA BENKŐ

PCR-SCREENING OF LOWER VERTEBRATE SAMPLES WIDENS THE KNOWN HOST RANGE OF CIRCOVIRUSES: FIRST DETECTION OF CIRCOVIRUSES IN FROGS

Molecular Virology, Institute for Veterinary Medical Research, Centre for Agriculture Research, Hungarian Academy of Sciences, Budapest, Hungary

VPP-5

HEIMO LAGLER¹, WOLFGANG POEPL¹, HEIDI WINKLER¹, HARALD HERKNER², ANGELUS FAAS³, ◆WOLFGANG GRANINGER¹, HEINZ BURGMANN¹

CROSS-SECTIONAL SURVEY ON SEROPREVALENCE OF HEPATITIS E VIRUS IN AUSTRIA

¹Department of Internal Medicine I; ²Department of Emergency Medicine, Medical University Vienna; ³Institute for Medical Support, Military Hospital Vienna, Vienna, Austria

VPP-6

◆BÁLINT SZALAI, ISTVÁN JANKOVICS, MÓNICA RÓZSA, ZOLTÁN KIS

GENOTYPIC AND PHENOTYPIC ANALYSIS OF THE INFLUENZA STRAINS FROM THE 2012/2013 INFLUENZA SEASON IN HUNGARY

Department for Respiratory Viruses, Division of Virology, National Center for Epidemiology, Budapest, Hungary

VPP-7

◆KATARÍNA LOPUŠNÁ¹, INGEBORG REŽUCHOVÁ², PETER KABÁT¹

DETERMINATION OF THE OPTIMAL CONCENTRATION OF IFN- α 1 FOR THE INHIBITION OF HUMAN HERPESVIRUS-1 REPLICATION IN VERO CELLS

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

VPP-8

◆BARBORA LAPUNÍKOVÁ¹, KATARÍNA LOPUŠNÁ¹, MARCELA KÚDELOVÁ²

DIFFERENTIAL DIAGNOSTICS OF MIXED HERPETIC INFECTION IN PATIENTS SUFFERING FROM IMMUNODEFICIENCY

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

VPP-9

◆SZILVIA FARKAS¹, KATALIN IHÁSZ¹, RACHEL E. MARSCHANG², RÉKA BORZÁK¹, KRISZTIÁN BÁNYAI¹

WHOLE GENOME SEQUENCING OF A PICORNAVIRUS ISOLATED FROM A HERMANN'S TORTOISE

¹Pathogen Discovery, Institute for Veterinary Medical Research, Centre for Agricultural Research, Hungarian Academy of Sciences, Budapest; ²Institute of Environmental and Animal Hygiene, Hohenheim University, Stuttgart, Germany

VPP-10

◆ ENIKŐ FEHÉR¹, CSABA SZÉKELY¹, GÁBOR CECH¹, FERENC JAKAB², MIKLÓS OLDAL², GYÖRGY LENGYEL³, KRISZTIÁN BÁNYAI¹, SZILVIA L. FARKAS¹

MOLECULAR SCREENING OF CIRCOVIRUSES IN FISH AND REPTILES

¹Institute for Veterinary Medical Research, Centre for Agricultural Research, Hungarian Academy of Sciences, Budapest; ²Virological Research Group, János Szentágothai Research Center, University of Pécs, Pécs; ³Dr. György Radó Military Medical Centre, Hungarian Defence Forces, Budapest, Hungary

VPP-11

◆ RENÁTA DÓRÓ¹, ESZTER KOVÁCS¹, SZILVIA MARTON¹, SZILVIA L. FARKAS¹, BRIGITTA LÁSZLÓ², JUDIT DEÁK³, FERENC JAKAB^{4,5}, ÁGNES JUHÁSZ⁶, ILDIKÓ SÁNTHA⁷, KRISZTIÁN BÁNYAI¹ AND THE HUNGARIAN ROTAVIRUS SURVEILLANCE NETWORK

RE-EMERGING G9 ROTAVIRUSES IN 2012, HUNGARY

¹Institute for Veterinary Medical Research, Centre for Agricultural Research, Hungarian Academy of Sciences, Budapest; ²Department of Medical Microbiology, Medical and Health Science Center, University of Debrecen, Debrecen; ³Department of Clinical Microbiology, University of Szeged, Szeged; ⁴Virological Research Group, János Szentágothai Research Center; ⁵Institute of Biology, Faculty of Sciences, University of Pécs; ⁶Laboratórium Ltd., Hajdú-Bihar County, Microbiology Diagnostic Laboratory, Debrecen; ⁷Hungarian National Public Health and Medical Officer Service, North Hungarian Regional Institute, Miskolc, Hungary

VPP-12

◆ FERENC JAKAB^{1,2}, VIKTÓRIA NÉMETH^{1,2}, MIKLÓS OLDAL^{1,2}, MÓNIKA MADAI^{1,2}, GYÖZÖ HORVÁTH², GÁBOR KEMENESI^{1,2}, BIANKA DALLOS^{1,2}, KRISZTIÁN BÁNYAI³

MOLECULAR CHARACTERIZATION OF DOBRAVA AND KURKINO GENOTYPES OF DOBRAVA-BELGRADE HANTAVIRUS DETECTED IN HUNGARY AND NORTHERN CROATIA

¹Virological Research Group, Szentágothai Research Center; ²Institute of Biology, Faculty of Sciences, University of Pécs, Pécs; ³Veterinary Medical Research Institute, Hungarian Academy of Sciences, Budapest, Hungary

VPP-13

WOLFGANG POEPL¹, ADELHEID G. OBWALLER², MARTIN WEILER³, HEINZ BURGMANN¹, GERHARD MOOSEDER⁴, SUSANNE LORENTZ⁵, FRIEDRICH RAUCHENWALD⁶, HORST ASPOECK⁷, JULIA WALOCHNIK⁷, ◆ WOLFGANG GRANINGER¹, TORSTEN J. NAUCKE⁸

EMERGENCE OF SANDFLIES (*PHLEBOTOMINAE*) IN AUSTRIA, A CENTRAL EUROPEAN COUNTRY

¹Department of Internal Medicine I, Medical University Vienna; ²Division of Science, Research and Development; ³Austrian NBC-Defense-School, Federal Ministry of Defense and Sports; ⁴Department of Dermatology and Tropical Medicine, Military Hospital Vienna; ⁵Parasitus Ex e. V.; ⁶Bayer Austria Ltd.; ⁷Institute of Specific Prophylaxis and Tropical Medicine, Medical University Vienna, Vienna; Department of Zoology, ⁸University of Hohenheim, Stuttgart, Germany

14.00-15.00 Industrial Microbiology Poster Session

IMP-1

ALEXANDRA KOTOGÁN, ◆ ERIKA BEÁTA KEREKES, TAMÁS PAPP, CSABA VÁGVÖLGYI, MIKLÓS TAKÓ

WHEAT BRAN AS SUBSTRATE FOR PRODUCTION OF LIPASE ENZYMES BY MUCOROMYCOTINA FUNGI

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

IMP-2

◆ ÁGOTA VASASNÉ JÓNÁS, ANITA OROSZ, ESZTER BÍRÓ, ERZSÉBET FEKETE, LEVENTE KARAFFA

CARBON SOURCE PROFILING THE EXPRESSION OF THE LELOIR-PATHWAY GENES IN *PENICILLIUM CHRYSOGENUM*

Department of Biochemical Engineering, University of Debrecen, Debrecen, Hungary

IMP-3

MIKLÓS TAKÓ, ALEXANDRA KOTOGÁN, ◆ ERIKA BEÁTA KEREKES, CSABA VÁGVÖLGYI, TAMÁS PAPP

CATALYSIS OF SYNTHETIC REACTIONS IN NON-AQUEOUS CONDITIONS BY LIPASE ENZYMES FROM MUCOROMYCOTINA FUNGI

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

IMP-4

◆ GABRIELLA STYEVKÓ, CSILLA STYEVKÓ, ÁGOSTON HOSCHKE, DUC QUANG NGUYEN

EFFECT OF SUBSTRATE CONCENTRATION ON SYNTHESIS ACTIVITIES OF PECTINEX ULTRA SP-L

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

IMP-5

◆ ZOLTÁN NÉMETH¹, LEVENTE NOVÁK², NIKOLETT NAGY¹, ERZSÉBET FEKETE¹, NANCY P. KELLER³, LEVENTE KARAFFA¹

A NOVEL HPLC-UV METHOD TO DETECT STERIGMATOCYSTIN FORMATION FROM SUBMERGED CULTURES OF *ASPERGILLUS NIDULANS*

¹Department of Biochemical Engineering; ²Department of Colloid and Environmental Chemistry, Faculty of Science, University of Debrecen, Debrecen, Hungary; ³Department of Bacteriology, University of Wisconsin, Madison, USA

IMP-6

LÁSZLÓ KULCSÁR¹, ROLAND KUN¹, ◆ ERZSÉBET FEKETE¹, ÁGOTA JÓNÁS VASASNÉ¹, BERNHARD SEIBOTH², LEVENTE KARAFFA¹

ISOLATION, OVEREXPRESSION AND PURIFICATION OF THE MAJOR INTRACELLULAR BETA-GALACTOSIDASE (BGAD) FROM *PENICILLIUM CHRYSOGENUM*

¹Department of Biochemical Engineering, Faculty of Science, University of Debrecen, Debrecen, Hungary; ²Research Area Biotechnology and Microbiology, TU Wien, Wien, Austria

IMP-7

TIBOR TÖRÖK¹, BENEDEK PAPP², ANTAL KÖKÉNYESI², ISTVÁN KOLLÁTH², ERZSÉBET SÁNDOR³, ZOLTÁN NÉMETH², ERZSÉBET FEKETE², ◆ LEVENTE KARAFFA²

CULTIVATION OF A SLOW-GROWING BACTERIUM STRAIN INTO HIGH CELL DENSITY

¹Safety and Environmental Department, TEVA Pharmaceutical Ltd; ²Department of Biochemical Engineering; ³Quality Assurance and Microbiology, Institute of Food Processing, University of Debrecen, Debrecen, Hungary

IMP-8

◆ ÁKOS TÓTH^{1,2}, TERÉZ BARNA³, RITA ELEK³, BALÁZS KRISZT¹, ERZSÉBET BAKA², JÓZSEF KUKOLYA²

COMPARATIVE STUDY OF HOMOLOGOUS ENDOMANNANASES FROM DIFFERENT *THERMOBIFIDA* SPECIES

¹Department of Environmental Protection and Environmental Safety, Szent István University, Gödöllő; ²Department of Microbiology, Central Environmental and Food Research Institute, Budapest; ³Department of Genetics and Applied Microbiology, University of Debrecen, Debrecen, Hungary

IMP-9

◆ ZSANETT LÓRINCZ, JÓZSEF KUTASI, ÁRPÁD BATA

PRODUCTION OF ENZYME GRANULATES TO ENHANCE THE DIGESTIBILITY OF THE BIOFUEL BYPRODUCTS DDGS AND RAPESEED CAKE

Fermentation Laboratory, Dr. Bata Corp., Budapest, Hungary

IMP-10

◆ ZSANETT LÓRINCZ, JÓZSEF KUTASI, ÁRPÁD BATA

DEVELOPMENT OF A SOLID STATE FERMENTATION TECHNOLOGY ON RAPESEED CAKE AND DDGS SUBSTRATE FOR XYLANASE ENZYME PRODUCTION

Fermentation Laboratory, Dr. Bata Corp., Budapest, Hungary

IMP-11

ANITA OROSZ¹, GRÉTA BODNÁR¹, ÁDÁM ONDECS¹, JAKOB BLÆSBJERG NIELSEN², UFFE HASBRO MORTENSEN², LEVENTE KARAFFA¹, ♦ERZSÉBET FEKETE¹

THE ULTIMATE TEST: DOES NADPH-AVAILABILITY INDEED CONTROL THE OXIDO-REDUCTIVE PATHWAY OF D-GALACTOSE CATABOLISM IN *ASPERGILLUS NIDULANS*?

¹Department of Biochemical Engineering, Faculty of Science, University of Debrecen, Debrecen, Hungary; ²Department of Systems Biology, Technical University of Denmark, Lyngby, Denmark

IMP-12

ANITA OROSZ, ÁDÁM ONDECS, CSABA MATOLCSI, ZOLTÁN NÉMETH, LEVENTE KARAFFA, ♦ERZSÉBET FEKETE

IDENTIFICATION OF THE TRUE INDUCER OF THE *BGAD* (BETA-GALACTOSIDASE-ENCODING) GENE IN *ASPERGILLUS NIDULANS* UPON GROWTH ON D-GALACTOSE

Department of Biochemical Engineering, Faculty of Science, University of Debrecen, Debrecen, Hungary

14.00-15.45 Environmental Microbiology and Biotechnology Poster Session

EPP-1

♦EMESE MÁTHÉ, HOSAM ELDIN BAYOUMI HAMUDA

SIDEROPHORES PRODUCTION BY SOME SOIL MICROBIAL INHABITANTS AND THEIR IMPACTS ON *RHIZOBIUM*-BEAN SYMBIOSIS

Institute of Environmental Protection Engineering, Rejtő Sándor Faculty of Light Industry and Environmental Engineering, Óbuda University, Budapest, Hungary

EPP-2

♦SZABINA LUZICS, ZSUZSANNA POHNER, RENÁTA BÁNEL, TAMÁS FELFÖLDI, ATTILA SZABÓ, BALÁZS VAJNA, KÁROLY MÁRIALIGETI

THE EFFECT OF OYSTER MUSHROOM (*PLEUROTUS OSTREATUS*) SUBSTRATE COLONIZATION ON THE BACTERIAL COMMUNITY STRUCTURE INVESTIGATED IN A MODEL SYSTEM

Department of Microbiology, Faculty of Science, Eötvös Loránd University, Budapest, Hungary

EPP-3

♦ISTVÁN SZABÓ¹, SÁNDOR SZOBOSZLAY¹, ANDRÁS TÁNCICS², JÚLIA RADÓ¹, PÉTER MÁRTON SZABÓ³, BALÁZS KRISZT¹

EXAMINATION OF THE CHANGES IN A BACTERIAL DIVERSITY CAUSED BY HYDROCARBON CONTAMINATIONS IN POLLUTED GROUNDWATER SAMPLES FROM HUNGARIAN SITES

¹Department of Environmental Protection and Safety; ²Regional University Center of Excellence, Szent István University, Gödöllő; ³Molecular Medicine Research Group, Hungarian Academy of Sciences and Semmelweis University, Budapest, Hungary

EPP-4

♦MILÁN FARKAS¹, ANDRÁS TÁNCICS², SÁNDOR SZOBOSZLAY¹, BALÁZS KRISZT¹

LOW DIVERSITY OF AEROBICALLY CULTIVABLE BACTERIA WAS OBSERVED IN A HYPOXIC, BTEX-CONTAMINATED GROUNDWATER

¹Department of Environmental Protection and Environmental Safety; ²Regional University Center of Excellence, Szent István University, Gödöllő, Hungary

EPP-5

♦ERIKA TÓTH¹, JUDIT MAKK¹, KATHARINA PORSCHE², TAMÁS TAUBER¹, MARCELL NIKOLAUSZ²

CHARACTERISING CELLULOSE DEGRADING, ALKALIPHILIC ANAEROBIC ENRICHMENT CULTURES

¹Department of Microbiology, Faculty of Science, Eötvös Loránd University, Budapest, Hungary; ²Department of Bioenergy, Helmholtz Centre for Environmental research, Leipzig, Germany

EPP-6

♦ADRIENN BALÁZS¹, CSILLA KRIFATON², ANITA RISA², MÁTYÁS CSERHÁTI², ZSÓFIA PADLA², BALÁZS KRISZT²

BIODEGRADATION OF DIHYDROTESTOSTERONE AS A MICROPOLLUTANT WITH ANDROGEN-DISRUPTING POTENCY

¹Regional Knowledge Centre; ²Department of Environmental Protection and Safety, Faculty of Agricultural and Environmental Sciences, Szent István University, Gödöllő, Hungary

EPP-7

◆ JUDIT HÁHN¹, JÚLIA RADÓ², ADRIENN BALÁZS¹, BALÁZS KRISZT², SÁNDOR SZOBOSZLAY²

INVESTIGATION OF ATRAZINE DEGRADATION BY BACTERIAL STRAINS AND CONSORTIA

¹Regional University Center of Excellence; ²Department of Environmental Protection and Safety, Szent István University, Gödöllő, Hungary

EPP-8

◆ LORÁNT HATVANI¹, LÁSZLÓ MANCZINGER¹, LÍVIA VIDÁCS², ISIDORA RADULOV³, LUCIAN NITA³, CSABA VÁGVÖLGYI¹

DEGRADATION OF ANILINE-DERIVATIVES BY MICROBES ISOLATED FROM RIVER MAROS

¹Department of Microbiology, Faculty of Science and Informatics, University of Szeged; ²ATI-VIZIG, Directorate for Water Management, Szeged, Hungary; ³Department III - Soil Sciences, Banat University of Agricultural Sciences and Veterinary Medicine, Timisoara, Romania

EPP-9

BETTINA BÓKA¹, MÓNIKA VÖRÖS¹, DEJANA PANKOVIC², MIRA PUCAREVIC², LJUBINKO JOVANOVIC², LÁSZLÓ MANCZINGER¹,
◆ CSABA VÁGVÖLGYI¹

DEGRADATION OF ANILINE DERIVATIVES BY *PHANEROCHAETE CHRYSOSPORIUM* IN MANGANESE PEROXIDASE INDUCTIVE MEDIUM

¹Department of Microbiology, Faculty of Sciences and Informatics, University of Szeged, Szeged, Hungary; ²Faculty of Environmental Protection, University EDUCONS, Osijek, Serbia

EPP-10

ENIKŐ SAJBEN-NAGY¹, LÁSZLÓ MANCZINGER¹, BILJANA ŠKRBIĆ², JELENA ŽIVANČEV², IGOR ANTIĆ², JUDIT KRISCH³, ◆ CSABA VÁGVÖLGYI¹

DEGRADATION OF ANILINE AND PHENOL DERIVATIVES IN SOIL BY A CRUDE *GANODERMA* LACCASE PREPARATE

¹Department of Microbiology, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary; ²Faculty of Technology, University of Novi Sad, Novi sad, Serbia; ³Institute of Food Engineering, University of Szeged, Szeged, Hungary

EPP-11

◆ ATTILA SZÖLLŐSI, ÁGOSTON HOSCHKE, JUDIT M. REZESSY-SZABÓ, QUANG D. NGUYEN

ENHANCEMENT OF PERFORMANCE OF MICROBIAL FUEL CELLS USING A NEW GEL-TYPE ANODE AND SEMI-CONTINUOUS FERMENTATION

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

EPP-12

◆ ETELKA KOVÁCS, ZOLTÁN BAGI, KORNÉL L. KOVÁCS

RELATIONSHIP BETWEEN THE SUBSTRATE C/N RATIO AND THE COMPOSITION OF MICROBIAL COMMUNITY IN BIOGAS REACTOR

Department of Biotechnology, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary

EPP-13

◆ LORÁNT HATVANI¹, LÁSZLÓ MANCZINGER¹, LÍVIA VIDÁCS², ISIDORA RADULOV³, LUCIAN NITA³, CSABA VÁGVÖLGYI¹

ESTABLISHMENT OF A POLLUTANT-DEGRADING MICROORGANISM COLLECTION (PDMC) AT THE DEPARTMENT OF MICROBIOLOGY, FACULTY OF SCIENCE AND INFORMATICS, UNIVERSITY OF SZEGED

¹Department of Microbiology, Faculty of Science and Informatics, University of Szeged; ²ATI-VIZIG, Directorate for Water Management, Szeged, Hungary; ³Department III - Soil Sciences, Banat University of Agricultural Sciences and Veterinary Medicine, Timisoara, Romania

EPP-14

ZSUZSANNA NAGYMÁTÉ, ♦KATALIN BARNÁS, KÁROLY MÁRIALIGETI

INVESTIGATION OF THE AMMONIA OXIDIZATION PROCESS IN FIVE SMALL DRINKING WATER SYSTEMS, ESPECIALLY THE ENUMERATION PROBLEMS OF AMMONIA-OXIDIZING BACTERIA BY THE MPN TECHNIQUE

Department of Microbiology, Faculty of Science, Eötvös Loránd University, Budapest, Hungary

EPP-15

♦GERGELY KRETT, TAMÁS FELFÖLDI, ATTILA SZABÓ, KÁROLY MÁRIALIGETI, ANDREA K. BORSODI

PLANKTONIC BACTERIAL DIVERSITY OF LAKE HÉVÍZ REVEALED BY NEXT GENERATION SEQUENCING AND MOLECULAR CLONING

Department of Microbiology, Faculty of Science, Eötvös Loránd University, Budapest, Hungary

EPP-16

♦ZSUZSA KÉKI¹, ANITA VENGRING¹, ZALÁN G. HOMONNAY¹, PETER SCHUMANN², KÁROLY MÁRIALIGETI¹, ERIKA M. TÓTH¹

THREE NOVEL BACTERIAL TAXA ISOLATED FROM THE ULTRAPURE WATER OF A HUNGARIAN POWER PLANT

¹Department of Microbiology, Faculty of Science Eötvös Loránd University, Budapest, Hungary; ²German Collection of Microorganisms and Cell Cultures, Leibniz Institute, Braunschweig, Germany

EPP-17

KRISTÓF LÁSZLÓ¹, KATALIN JÁGER¹, GERGELY KRETT¹, GERGELY BOROS², ANDRÁS SPECZIÁR², ♦ANDREA K. BORSODI¹

THE FIRST RESULTS OF THE STUDIES ON THE BACTERIAL COMMUNITY STRUCTURES OF THE INTESTINAL TRACTS OF THE ASIAN CARPS LIVING IN LAKE BALATON

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

EPP-18

♦ERZSÉBET BAKA¹, SÁNDOR VARGA², CSABA FEKETE³, ÁGNES HUBERT⁴, ISTVÁN NAGY⁴, JÓZSEF KUKOLYA¹

PLASMID ISOLATION FROM *THERMOPLASMA ACIDOPHILUM* HO-122 FOR SHUTTLE VECTOR CONSTRUCTION

¹Department of Microbiology, Central Environmental and Food Science Research Institute, Budapest; ²Department of Environmental Protection & Environmental Safety, Szent István University, Gödöllő; ³Department of General and Environmental Microbiology, Faculty of Sciences, University of Pécs, Pécs, Hungary; ⁴Department of Molecular Structural Biology, Max Planck Institute of Biochemistry, Martinsried, Germany

EPP-19

SARA MESQUITA

COMPARING A HARVESTING METHOD TO DIFFERENT MICROALGAE STRAINS

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

EPP-20

ANDREA PALÁGYI¹, ÁGNES FILEP², ZOLTÁN BOZÓKI², LÁSZLÓ MANCZINGER¹, ALINA LAȚO³, ISIDORA RADULOV³, LUCIAN NITA³, ♦CSABA VÁGVÖLGYI¹

EVALUATION OF A SIMPLE MICROTITER PLATE VARIANT OF AMES TEST FOR THE GENOTOXICITY ASSAY OF ENVIRONMENTAL SAMPLES

¹Department of Microbiology, Faculty of Science and Technology, University of Szeged; ²Department of Optics and Quantum Electronics, University of Szeged/Research Group of Photoacoustic Spectroscopy, Hungarian Academy of Sciences, Szeged, Hungary; ³Division of Soil Sciences and Plant Nutrition, Banat University of Agriculture and Veterinary Medicine, Timisoara, Romania

EPP-21

ZOLTÁN NÁSZTOR, JÁNOS HORVÁTH, ♦BALÁZS LEITGEB

CONFORMATIONAL ANALYSIS OF THE SHORT-SEQUENCE PEPTAIBOLS, HYPOMUROCINS BY MOLECULAR DYNAMICS METHODS

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

EPP-22

◆ ZOLTÁN NÁSZTOR, JÁNOS HORVÁTH, BALÁZS LEITGEB

EXPLORING AND CHARACTERIZING THE FOLDING PROCESSES OF LONG-SEQUENCE TRICHOBRACHIN PEPTIDES

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

EPP-23

◆ JÁNOS HORVÁTH, ZOLTÁN NÁSZTOR, BALÁZS LEITGEB

NON-STANDARD RESIDUES OF PEPTAIBOLS: THEIR APPLICATION FOR MOLECULAR MODELING STUDIES

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

EPP-24

◆ CSABA ISTVÁN NAGY, IMRE WASS, PÉTER B. KÓS

GENETIC AND FUNCTIONAL ANALYSIS OF A SULFIDE:QUINONE OXIDOREDUCTASE ENZYME IN *SYNECHOCYSTIS* SP. PCC6803

Department of Plant Biology, Biological Research Centre, Hungarian Academy of Sciences, Szeged, Hungary

EPP-25

◆ ANDREA NÉMETH¹, GERGELY KRETT¹, ENDRE JANURIK², FERENC PEKÁR², KÁROLY MÁRIALIGETI¹, ANDREA K. BORSODI¹

BACTERIAL PHYLOGENETIC DIVERSITY OF HUNGARIAN DEEP SUBSURFACE GEOTHERMAL WELL WATERS STUDIED BY MOLECULAR CLONING

¹Department of Microbiology, Faculty of Science, Eötvös Loránd University, Budapest; ²Research Institute for Fisheries, Aquaculture and Irrigation, Szarvas, Hungary

EPP-26

◆ MIROSLAVA SMOLINSKÁ^{1,2}, ALŽBETA TAKÁČOVÁ^{2,3}, HELENA BUJDAKOVÁ¹, GABRIEL ČÍK²

METHYLENE BLUE IMMOBILIZED ON ZEOLITE: AN IN VITRO STUDY ON PROKARYOTIC AND EUKARYOTIC CELLS

¹Department of Microbiology and Virology, Comenius University; ²Department of Environmental Engineering, Slovak University of Technology; ³VÚRUP, a.s., Bratislava, Slovakia

EPP-27

◆ ATTILA TAPASZTÓ, ÁRON NÉMETH, BÉLA SEVELLA

EXAMINATION OF ENTOMOPATHOGENIC FUNGI ON WESTERN CORN ROOTWORMS

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

EPP-28

◆ BERNADETT KISS, ÁRON NÉMETH, BÉLA SEVELLA

KINETIC MODEL OF ALGAE GROWTH

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

EPP-29

◆ BIELEN ANA¹, BRANKA BRUVO-MAĐARIĆ², IVAN VUJAKLIJA³, TINA PARADŽIK², PEZER ŽELJKA², PAVLE GOLDSTEIN³, DUŠICA VUJAKLIJA²

SCANNING FOR GDS(L) HYDROLASES IN ACTINOBACTERIA FROM VARIETY OF ECOLOGICAL NICHES

¹Department for Biochemical Engineering, Faculty of Food Technology and Biotechnology; ²Department for Molecular Biology, Ruder Bošković Institute; ³Department of Mathematics, Faculty of Science, University of Zagreb, Zagreb, Croatia

Friday, October 18

Room No. 1

8.30-10.30 Ignaz Semmelweis Semi-plenary Session

Ignaz Semmelweis (1818-1865) Hungarian physician, he is known as the “saviour of mothers”. Based on his observations on the origin of puerperal fever, and the adequate interpretation of statistical data on it, he elaborated effective measures against it. He is thus the founder of asepsis in obstetrics. He introduced bleach-powder as an antiseptic. In 1861 he published his theories in a famous German language book.

Chairpersons: Maya Šegvić Klarić and Csaba Vágvölgyi

8.30-9.00

SSP-1

◆ MAJA ŠEGVIĆ KLARIĆ¹, DANIELA JAKŠIĆ DESPOT¹, DUBRAVKA RAŠIĆ², MAJA PERAIĆ²

ADVERSE EFFECTS OF EXPOSURE TO AIRBORNE FUNGI IN INDOOR ENVIRONMENTS

¹Department of Microbiology, Faculty of Pharmacy and Biochemistry, University of Zagreb; ²Toxicology Unit, Institute of Medical Research and Occupational Health, Zagreb, Croatia

9.00-9.30

SSP-2

◆ TÜNDE JANKOVICS¹, DOLOVAC NENAD², ALEKSANDRA BULAJIĆ³, BRANKA KRSTIĆ³, THIERRY PASCAL⁴, MARC BARDIN⁵, PHILIPPE C. NICOT⁵, LEVENTE KISS¹

PEACH RUSTY SPOT IS CAUSED BY THE APPLE POWDERY MILDEW FUNGUS, *PODOSPHAERA LEUCOTRICHA*

¹Department of Plant Pathology, Plant Protection Institute, Centre for Agricultural Research, Hungarian Academy of Sciences, Budapest, Hungary; ²Department of Plant Pathology, Institute for Plant Protection and Environment; ³Department of Phytopathology, Institute of Plant Protection, Faculty of Agriculture, University of Belgrade, Belgrade, Serbia; ⁴Unit of Fruit and Legume Genetics and Cultivation; ⁵Unit of Plant Pathology, INRA, Montfavet, France

9.30-10.00

SSP-3

◆ RÉKA LÉVAI¹, TÍMEA BARNA¹, ATTILA FARSANG¹, KATALIN FÁBIÁN¹, SANDRA BLOME², SANDRA JUANOLA³, ILSE VAENGEL⁴, FRANK KOENEN⁴, GÁBOR KULCSÁR⁵

EFFICACY STUDIES ON TARGET ANIMALS BEFORE REGISTRATING A NOVEL CLASSICAL SWINE FEVER MARKER VACCINE

¹Immunological Department, Central Agricultural Office, Directorate of Veterinary Medicinal Products, Budapest, Hungary; ²Institute of Diagnostic Virology, Friedrich-Loeffler-Institute, Greifswald, Germany; ³R&D Department, Zoetis Manufacturing & Research Spain, S.L., Madrid, Spain; ⁴Operational Direction Interactions and Surveillance, CODA-CERVA, Brussels, Belgium; ⁵Directorate of Veterinary Medicinal Products, Central Agricultural Office, Budapest, Hungary

10.00-10.30

SSP-4

◆ JÚLIA SARKADI¹, MÁTÉ JANKOVICS², KINGA FODOR³, ZOLTÁN KIS¹, MÁRIA TAKÁCS⁴, ILDIKÓ VISONTAI⁵, ISTVÁN JANKOVICS¹, ÉVA GÖNCZÖL⁶

HEAT-INACTIVATED, INTRADERMALLY ADMINISTERED VARICELLA-ZOSTER VACCINE AS A POSSIBLE STRATEGY TO PREVENT VARICELLA AND HERPES ZOSTER IN IMMUNOCOMPROMISED INDIVIDUALS

¹Department of Respiratory Viruses; ²Department of Quality Assurance; ³Department of Animal House; ⁴Division of Virology; ⁵General Directorate; ⁶Department of Hepatitis and Molecular Virology, Division of Virology, National Center for Epidemiology, Budapest, Hungary

10.30-11.00 Coffee break

11.00-12.30 Bacteriology Session III

Chairpersons: Zoltán Tigyi and Orsolya Dobay

11.00-11.15

BOP-11

◆ ANDRÁS PENYIGE, KRISZTINA KOVÁCS, JUDIT KESERŰ, SÁNDOR BIRÓ

ANALYSIS OF THE PHYSIOLOGICAL ROLE OF *cabB*, A Ca²⁺-BINDING PROTEIN IN *STREPTOMYCES COELICOLOR*

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

11.15-11.30

BOP-12

◆ BÉLA KOCSIS¹, BÉLA KÁDÁR¹, ÁKOS TÓTH², IVELINA DAMJANOVA³, JUDIT PÁSZTI³, ALEXANDRA FULLÁR⁴, PÉTER FELSO⁵, BÉLA KOCSIS⁵, KATALIN BÖDDI⁶, KÁROLY NAGY¹, DÓRA SZABÓ¹

OUTER MEMBRANE PROTEIN LOSS MEDIATES COLISTIN RESISTANCE IN *KLEBSIELLA PNEUMONIAE* ST258

¹Institute of Medical Microbiology, Faculty of Medicine, Semmelweis University; ²Department of Bacteriology; ³Department of Phage Typing and Molecular Epidemiology; National Center for Epidemiology; ⁴1st Department of Pathology, Faculty of Medicine, Semmelweis University; ⁵Institute of Medical Microbiology and Immunology; ⁶Institute of Biochemistry and Medical Chemistry, Medical School, University of Pécs, Pécs, Hungary

11.30-11.45

BOP-13

◆ ALEXANDRA-MARIA NASCUTIU^{1,2}, CODRUȚA-ROMANIȚA USEIN^{1,2}, MĂDĂLINA BĂLTOIU (MILITARU)¹, SORIN DINU¹, MARIA DAMIAN¹

IDENTIFICATION OF *GYR*A MUTATIONS IN QUINOLONE-RESISTANT *SALMONELLA* STRAINS ISOLATED IN ROMANIA (2006-2011)

¹Cantacuzino National Institute for Research-Development in Microbiology and Immunology; ²Department of Microbiology, Carol Davila University of Medicine and Pharmacy, Bucharest, Romania

11.45-12.00

BOP-14

◆ ROLAND TENGÖLICS¹, RITA BÉRES¹, ZSOLT DOFFKAY¹, EDIT GYÖRI¹, KORNÉL L. KOVÁCS², GÁBOR RÁKHELY¹

ELECTRON TRANSPORT PATHWAYS FROM/TO THE HYN HYDROGENASE IN A PURPLE SULFUR BACTERIUM

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

12.00-12.15

BOP-15

◆ ANDRÁS TÓTH¹, ÁGNES DUZS¹, ENIKŐ KISS², BRIGITTA NÉMETH², KORNÉL L. KOVÁCS¹, GÁBOR RÁKHELY¹

SULFIDE OXIDASE ENZYMES IN PHOTOSYNTHETIC PURPLE SULFUR BACTERIA

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

12.15-12.30

BOP-16

◆ MIRKÓ WLASITSCH¹, KÁROLY KRAJCZÁR², DÁNIEL KRESZ², ZOLTÁN TIGYI¹

ESTABLISHMENT OF A MULTIMICROBIAL ROOT CANAL INFECTION MODEL FOR DENTAL EXPERIMENTS

¹Department of Medical Microbiology and Immunology; ²Department of Dentistry, Oral and Maxillofacial Surgery, Medical School, University of Pécs, Pécs, Hungary

12.30-13.00 Coffee break

13.00-13.30 Closing Ceremony

Results of the Poster Competition

Closing words

Farewell drink

Friday, October 18

Room No.2

8.30-10.30 Sergei Winogradsky Semi-plenary Session

Sergei Winogradsky (1856-1953), Ukrainian (Russian) microbiologist. He discovered lithotrophy and chemoautotrophy by investigating sulphur and nitrifying bacteria. He described the biogeochemical cycles of S, N and Fe, at that time wholly or in part. The cultivation methods elaborated by him are still in use for detecting chemolithotrophic microbes. He is known as the first microbial ecologist.

Chairpersons: Gábor Rákhely and Károly Márialigeti

8.30-9.00

WSP-1

◆ ZSÓFIA HERBEL¹, ANDRÁS TÓTH^{1,2}, KORNÉL L. KOVÁCS^{1,2}, ZOLTÁN BAGI¹, GÁBOR RÁKHELY^{1,2}

SUGAR FACILITATED HYDROLYZATION OF UNTREATED CELLULOSIC WASTE

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

9.00-9.30

WSP-2

CSABA I. NAGY, IMRE VASS, ◆ PÉTER B. KÓS

APPLICATION OF CYANOBACTERIAL RESISTANCE SYSTEMS FOR CONSTRUCTION OF HEAVY METAL BIOSENSORS

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

9.30-10.00

WSP-3

◆ ANDRÁS TÁNCICS¹, MILÁN FARKAS², SÁNDOR SZOBOSZLAY², TIBOR BENEDEK¹, BALÁZS KRISZT²

AEROBIC AND ANAEROBIC DEGRADATION PATHWAYS OF AROMATIC HYDROCARBONS ARE BOTH ACTIVE UNDER MICROAEROBIC AND ANAEROBIC CONDITIONS AS REVEALED BY MICROCOSM EXPERIMENTS

¹Regional University Center of Excellence; ²Environmental Protection and Environmental Safety, Szent István University, Gödöllő, Hungary

10.00-10.30

WSP-4

◆ MÁRTON PALATINSZKY, TAE KWON LEE, MARKUS SCHMID, ESTHER MADER, MICHAEL WAGNER

COMBINATION OF FISH, STABLE ISOTOPE LABELING AND RAMAN MICROSPECTROSCOPY TO ISOLATE SPECIFIC SINGLE CELLS FROM MICROBIAL COMMUNITIES

Department of Microbiology and Ecosystem Science, Division of Microbial Ecology, University of Vienna, Vienna, Austria

10.30-11.00 Coffee break

11.00-12.00 Environmental Microbiology and Biotechnology Session II

Chairpersons: Erika Tóth and András Táncsics

11.00-11.15

EOP-7

◆ GABRIELLA BÜKI¹, DÓRA ANDA¹, JUDIT MAKK¹, ANITA ERÖSS², JUDIT MÁDL-SZÖNYI², KÁROLY MÁRIALIGETI¹, ANDREA K. BORSODI¹

PHYLOGENETIC DIVERSITY OF THE BACTERIAL COMMUNITIES CONSTITUTING THE BIOFILMS OF TÖRÖK HYDROTHERMAL SPRING CAVE OF THE BUDA THERMAL KARST SYSTEM

¹Department of Microbiology; ²Department of Physical and Applied Geology, Faculty of Science, Eötvös Loránd University, Budapest, Hungary

11.15-11.30

EOP-8

◆ RAMGANESH SELVARAJAN¹, GERGELY KRETT², ISTVÁN MÁTHÉ³, LAURA JURECSKA⁴, ATTILA SZABÓ², SANNIYASI ELUMALAI¹, KÁROLY MÁRIALIGETI², TAMÁS FELFÖLDI²

FIRST RECORD OF WINTER PLANKTONIC MICROBIAL COMMUNITIES IN SOME SPECIFIC AQUATIC HABITATS

¹Department of Plant Biology and Plant Biotechnology, Presidency College, University of Madras, Chennai, India; ²Department of Microbiology, Faculty of Science, Eötvös Loránd University, Budapest, Hungary; ³Department of Bioengineering, Sapientia Hungarian University of Transylvania, Miercurea Ciuc, Romania; ⁴Cooperative Research Center for Environmental Science, Faculty of Science, Eötvös Loránd University, Budapest, Hungary

11.30-11.45

EOP-9

◆ BARBARA SZIRÁNYI¹, ANNA SZALAY¹, GERGELY KRETT¹, ENDRE JANURIK², FERENC PEKÁR², KÁROLY MÁRIALIGETI¹, ANDREA K. BORSODI¹

ARCHAEOAL AND BACTERIAL DIVERSITY OF THE FIRST LAKE OF A GEOTHERMAL WATER RESERVOIR SYSTEM LOCATED IN SOUTHERN HUNGARY

¹Department of Microbiology, Faculty of Science, Eötvös Loránd University, Budapest; ²Department of Aquatic Resources Management, Research Institute for Fisheries, Aquaculture and Irrigation, Szarvas, Hungary

11.45-12.00

EOP-10

◆ ATTILA SZABÓ¹, ISTVÁN MÁTHÉ², SZABOLCS SZILVESZTER², LAURA JURECSKA³, BALÁZS VAJNA¹, KÁROLY MÁRIALIGETI¹, TAMÁS FELFÖLDI¹

NEXT GENERATION AMPLICON SEQUENCING OF THE MICROBIAL COMMUNITY OF A CRATER LAKE (LAKE SAINT ANA, ROMANIA)

¹Department of Microbiology, Faculty of Science, Eötvös Loránd University, Budapest, Hungary; ²Department of Bioengineering, Sapientia Hungarian University of Transylvania, Miercurea Ciuc, Romania; ³Cooperative Research Center for Environmental Science, Faculty of Science, Eötvös Loránd University, Budapest, Hungary

12.00-13.00 Lunch Break

Friday, October 18

Room No. 3

11.00-12.15 Agricultural and Food Microbiology Session II

Chairpersons: Ildikó Bata-Vidács and Ágnes Belák

11.00-11.15

AFP-5

◆ ILDIKÓ BATA-VIDÁCS, ERZSÉBET BAKA, OLIVIA CSERNUS, JUDIT BECZNER, ÁKOS TÓTH, JÓZSEF HEGÓCZKI, JÓZSEF KUKOLYA

MOLECULAR TAXONOMIC IDENTIFICATION OF LACTOBACILLI ORIGINATED FROM THE PROBIOTIC STRAIN COLLECTION OF THE DEPARTMENT OF MICROBIOLOGY, CENTRAL FOOD RESEARCH INSTITUTE (CFRI)

Microbiology Department, Central Environmental and Food Science Research Institute, Budapest, Hungary

11.15-11.30

AFP-6

◆ CSILLA KRIFATON¹, BALÁZS KRISZT¹, ANITA RISA¹, ÁDÁM SZÜCS², MÁTYÁS CSERHÁTI¹, JÓZSEF KUKOLYA³

DEVELOPMENT OF BIOMONITORING SYSTEMS FOR ANALYSING AFLATOXIN-B1 AND ZEARALENONE

¹Department of Environmental Protection and Safety; ²Regional Center of Excellence, Szent István University, Gödöllő; ³Department of Microbiology, Central Environmental and Food Science Research Institute, Budapest, Hungary

11.30-11.45

AFP-7

◆ MÁTYÁS CSERHÁTI¹, JÓZSEF KUKOLYA², CSILLA KRIFATON¹, SZILAMÉR FERENCZY³, ZSOLT CSENKI⁴, BALÁZS KRISZT¹

SELECTION AND APPLICATION OF MICROORGANISMS FOR MYCOTOXIN DEGRADATION

¹Department of Environmental Protection and Safety, Szent István University, Gödöllő; ²Department of Microbiology, Central Environmental and Food Science Research Institute, Budapest; ³Laboratory of Molecular Neuroendocrinology, Institute of Experimental Medicine, Budapest; ⁴Department of Fish Culture, Szent István University, Gödöllő, Hungary

11.45-12.00

AFP-8

◆ JÓZSEF KUKOLYA¹, ERZSÉBET BAKA¹, ÁKOS TÓTH¹, ILDIKÓ BATA-VIDÁCS¹, OLIVIA CSERNUS¹, TERÉZ BARNA², ISTVÁN NAGY³, SZILAMÉR FERENCZY⁴, KRISZTINA J. KOVÁCS⁴

PRELIMINARY RESULTS OF A MANNANE-BASED SYMBIOTIC PROJECT

¹Department of Microbiology, Central Environmental and Food Science Research Institute, Budapest; ²Department of Genetics and Applied Microbiology, Faculty of Science, University of Debrecen, Debrecen, Hungary; ³Department of Molecular Structural Biology, Max Planck Institute of Biochemistry, Martinsried, Germany; ⁴Laboratory of Molecular Neuroendocrinology, Institute of Experimental Medicine, Hungarian Academy of Sciences, Budapest, Hungary

12.00-13.00 Coffee break

Friday, October 18

Room Gulács

11.00-12.30 Virology Session III

Chairpersons: Lajos Gergely and Ferenc Jakab

11.00-11.15

VOP-10

◆ ESZTER CSOMA¹, LÁSZLÓ ASZTALOS², LAJOS GERGELY³, BEÁTA MÉSZÁROS¹, LAJOS GERGELY¹

PREVALENCE OF NOVEL HUMAN POLYOMAVIRUS 9, WU AND KI

¹Department of Medical Microbiology; ²Institute of Surgery; ³Institute of Internal Medicine, Medical and Health Science Center, University of Debrecen, Debrecen, Hungary

11.15-11.30

VOP-11

◆ ANNA NAGY¹, MARINA VARGA², MÁRIA TAKÁCS¹, KATALIN N. SZOMOR¹

RETROSPECTIVE STUDY FOR SCREENING USUTU VIRUS ANTIBODIES IN TWO DIFFERENT GROUPS OF HUMAN POPULATION IN HUNGARY

¹Division of Virology, National Center for Epidemiology, Budapest; ²Department of Transplantation and Surgery, Semmelweis University, Budapest, Hungary

11.30-11.45

VOP-12

◆ BALÁZS STERCZ, KÁROLY NAGY, JÓZSEF ONGRÁDI

IN VITRO IL-10 INDUCTION BY HHV-7 AND ITS CLINICAL RELEVANCE

Department of Medical Microbiology, Faculty of Medicine, Semmelweis University, Budapest, Hungary

11.45-12.00

VOP-13

◆ JÓZSEF ONGRÁDI¹, BALÁZS STERCZ¹, KÁROLY NAGY¹, TETSUSHI YOSHIKAWA², DHARAM V. ABLASHI³

VIRO-IMMUNOLOGICAL BACKGROUND AND CLINICAL CONSEQUENCES OF ROSELOVIRUS-ASSOCIATED ENCEPHALITIS

¹Institute of Clinical Microbiology, Faculty of Medicine, Semmelweis University, Budapest, Hungary; ²Department of Pediatrics, School of Medicine, Fujita Health University, Toyoake, Aichi, Japan; ³HHV-6 Foundation, Santa Barbara, USA

12.00-12.15

VOP-14

◆ FERENC JAKAB^{1,2}, MIKLÓS OLDAL^{1,2}, VIKTÓRIA NÉMETH^{1,2}, MÓNICA MADAI^{1,2}, GÁBOR KEMENESI^{1,2}, BIANKA DALLOS^{1,2}, ZOLTÁN PÉTERFI³, JUDIT SEBŐK⁴, KRISZTÁN BÁNYAI⁵, ISTVÁN WITTMANN⁴

IDENTIFICATION OF HANTAVIRUS INFECTION BY WESTERN BLOT ASSAY AND TAQMAN PCR IN PATIENTS HOSPITALIZED WITH ACUTE RENAL FAILURE

¹Virological Research Group, Szentágotthai Research Center; ²Institute of Biology, Faculty of Sciences; ³1st Department of Internal Medicine; ⁴2nd Department of Internal Medicine and Nephrology Center, Medical School, University of Pécs, Pécs; ⁵Veterinary Medical Research Institute, Hungarian Academy of Sciences, Budapest, Hungary

12.15-12.30

VOP-15

◆BERNADETT PÁLYI¹, MÁRIA HERPAY², ÁGNES FARKAS³, BÁLINT SZALAI¹, JÁNOS DOMÁNYI³, ZOLTÁN KIS¹

DIAGNOSTIC CAPABILITY OF THE HIGHLY PATHOGENIC MICROORGANISM AT THE HUNGARIAN NATIONAL BIOSAFETY LABORATORY AT NATIONAL CENTER FOR EPIDEMIOLOGY – RESULTS OF INTERNATIONAL PROFICIENCY TESTS

¹Division of Virology; ²Division of Bacteriology, National Center for Epidemiology; ³Directorate General, National Center for Epidemiology, Budapest, Hungary

12.30-13.00 Coffee break

Friday, October 18

Poster Room

10.00-11.30 Mycology Poster Session

MPP-1

◆ LÁSZLÓ BERECSKI¹, PETER CHRENKO¹, LÁSZLÓ GALGÓCZI², ILONA DÓCZI¹, EDIT URBÁN¹

USEFULNESS OF MALDI-TOF IN CLINICAL MYCOLOGY

¹Institute of Clinical Microbiology, Faculty of Medicine; ²Department of Microbiology, Faculty of Science and Informatics, University of Szeged, Szeged

MPP-2

◆ MELINDA PAHOLCSEK, SÁNDOR BIRÓ

ASPERGILLOSIS DIAGNOSTICS IN HUNGARY, STATE OF THE ART AND FURTHER CHALLENGES WORLDWIDE

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

MPP-3

MÓNKA HOMA¹, YENDREMBAM R. B. SINGH², KANESAN P. SELVAM³, LÁSZLÓ KREDICS¹, COIMBATORE S. SHOBANA⁴, VENKATAPATHY NARENDRAN², PALANISAMY MANIKANDAN², CSABA VÁGVÖLGYI¹, ◆ LÁSZLÓ GALGÓCZY¹

FUSARIUM NAPIFORME, A NEW EMERGING PATHOGEN FROM HUMAN KERATOMYCOSIS

¹Department of Microbiology, Faculty of science and Informatics, University of Szeged, Szeged, Hungary; ²Department of Microbiology, Aravind Eye Hospital; ³Department of Microbiology, M. R. Government Arts College; ⁴Department of Microbiology, Dr. G. R. Damodaran College of Science, Coimbatore, India

MPP-4

RENÁTA TÓTH, ◆ PÉTER HORVÁTH, GÁBOR MOLNÁR, ADRIENN RIBA, CSABA VÁGVÖLGYI, ATTILA GÁCSE

PREPARATION OF DELETION LIBRARY IN PATHOGENIC YEAST *CANDIDA PARAPSILOSIS*

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

MPP-5

◆ KATALIN CSONKA, ADÉL TÓTH, JUDIT SZENZENSTEIN, TIBOR NÉMETH, ZSUZSANNA GRÓZER, CSABA VÁGVÖLGYI, ATTILA GÁCSE

CHARACTERIZATION OF THE VIRULENCE OF *CANDIDA PARAPSILOSIS* SENSU LATO SPECIES USING DIFFERENT IN VITRO AND IN VIVO INFECTION MODELS

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

MPP-6

◆ CSABA PAPP¹, JOSHUA D. NOSANCHUK², ILONA PFEIFFER¹, REGINA E. BERNÁTSKY¹, CSABA VÁGVÖLGYI¹, ATTILA GÁCSE

UNUSUAL BEHAVIOR OF *CANDIDA PARAPSILOSIS* *CDR1-2* DOUBLE DELETION MUTANT AGAINST IMMUNE CELLS

¹Department of Microbiology, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary; ²Department of Microbiology and Immunology, Albert Einstein College of Medicine of Yeshiva University, New York, USA

MPP-7

JUDIT ÁMON, ATTILA GÁCSE, CSABA VÁGVÖLGYI, ◆ ZSUZSANNA HAMARI

RESULTS OF APPLICATION OF AN RNAI VECTOR FOR SILENCING *LIP2* GENE OF *CANDIDA PARAPSILOSIS*

Department of Microbiology, University of Szeged, Szeged, Hungary

MPP-8

◆JUDIT SZENZENSTEIN¹, HENRIETTA PAPP¹, PÉTER NOVÁK², CSABA BERKOVITS², KATALIN NAGY², CSABA VÁGVÖLGYI¹, ATTILA GÁCSE¹

TAM RECEPTOR TYROSINE KINASES ACTIVATION IN ORAL CARCINOMA SURFACES COLONIZED BY *CANDIDA* SPECIES

¹Department of Microbiology, Faculty of science and Informatics; ²Department of Dentistry and Oral Surgery, Faculty of Medicine, University of Szeged, Szeged, Hungary

MPP-9

◆ILONA PFEIFFER, JUDIT KUCSERA, CSABA VÁGVÖLGYI

IN VITRO EFFECT OF NON-ANTIFUNGAL COMPOUNDS ON *CRYPTOCOCCUS NEOFORMANS*

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

MPP-10

KRISZTINA KRIZSÁN, ALEXANDRA LENGYEL, ◆OTTÓ BENCSEK, TAMÁS PAPP, CSABA VÁGVÖLGYI

CHARACTERIZATION OF THE OPPORTUNISTIC HUMAN PATHOGENIC *BIPOLARIS* ISOLATES

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

MPP-11

◆OTTÓ BENCSEK¹, MÁTÉ BERTA¹, ANDRÁS SZEKERES¹, TAMÁS PAPP¹, ANNAMÁRIA ZANA², PÉTER FORGÓ², MARIA ANDERSSON³, MIRJA SALKINOJA-SALONEN³, CSABA VÁGVÖLGYI¹

ISOLATION AND TOXICOLOGICAL STUDIES OF OPHIOBOLIN A

¹Department of Microbiology, Faculty of Sciences and Informatics; ²Institute of Pharmaceutical Analysis, Faculty of Pharmacy, University of Szeged, Szeged, Hungary; ³Department of Food and Environmental Sciences, Helsinki University, Helsinki, Finland

MPP-12

◆OTTÓ BENCSEK¹, MÁTÉ BERTA¹, ANDRÁS SZEKERES¹, TAMÁS PAPP¹, ANNAMÁRIA ZANA², PÉTER FORGÓ², MARIA ANDERSSON³, MIRJA SALKINOJA-SALONEN³, CSABA VÁGVÖLGYI¹

PURIFICATION AND CHARACTERIZATION OF THE TOXICITY EFFECTS OF 3-ANHYDRO-OPHIOBOLIN A

¹Department of Microbiology, Faculty of Sciences and Informatics; ²Institute of Pharmaceutical Analysis, Faculty of Pharmacy, University of Szeged, Szeged, Hungary; ³Department of Food and Environmental Sciences, Helsinki University, Helsinki, Finland

MPP-13

◆ANDRÁS SZEKERES, OTTÓ BENCSEK, CSABA VÁRSZEGI, LÁSZLÓ KREDICS, CSABA VÁGVÖLGYI

SCREENING METHOD FOR THE RAPID DETECTION OF PEPTAIBOLS PRODUCED BY *TRICHODERMA* STRAINS

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

MPP-14

◆EMESE PATAKI, IDA MIKLÓS, MATTIAS SIPICZKI

MICROARRAY ANALYSIS OF A FORKHEAD TRANSCRIPTION FACTOR OF *SCHIZOSACCHAROMYCES POMBE*

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

MPP-15

◆CSILLA MÉSZÁROS¹, ANNA HORVÁTH¹, MÁTYÁS SIPICZKI², ÁKOS SVEICZER¹

PHYLOGENETIC ANALYSIS OF THE FISSION YEAST CELL SEPARATION GENE, *SEP15/MED8*

¹Department of Applied Biotechnology and Food Science, Faculty of Chemistry, Faculty of Chemical Technology and Biotechnology, University of Technology and Economics, Budapest; ²Department of Genetics and Applied Microbiology, Faculty of Science, University of Debrecen, Debrecen, Hungary

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◆ EMESE PATAKI, IDA MIKLÓS, MATTIAS SIPICZKI

RSV1 GENE HAS FUNCTIONAL HOMOLOGY IN THE *SCHIZOSACCHAROMYCES* SPECIES

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

MPP-17

ESZTER BOKOR, ZOLTÁN KARÁCSONY, CSABA VÁGVÖLGYI, ◆ ZSUZSANNA HAMARI

VERIFICATION OF *HXNV* PLAYS ROLE IN THE NICOTINIC ACID DEGRADATION PATHWAY IN *ASPERGILLUS NIDULANS*

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

MPP-18

◆ GERGŐ J. SZARKÁNDI¹, BÁLINT DIMA¹, SÁNDOR KOCSUBÉ¹, TAMÁS PAPP¹, CSABA VÁGVÖLGYI¹, LÁSZLÓ G. NAGY^{1,2}

DIVERSIFICATION AMONG MUSHROOMS: ANALYZING RATES OF EVOLUTION IN THE AGARICALES

¹Department of Microbiology, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary; ²Department of Biology, Clark University, Worcester, USA

MPP-19

◆ RENÁTA BÁNFI¹, BALÁZS VAJNA¹, ZSUZSANNA POHNER¹, SZABINA LUZICS¹, ADRIENN NAGY², KÁROLY MÁRIALIGETI¹

PATTERN OF LIGNOCELLULOSE DEGRADING ENZYME ACTIVITIES DURING COLONIZATION OF OYSTER MUSHROOM SUBSTRATE IN A LARGE SCALE PRODUCTION FACILITY

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

MPP-20

◆ TAMÁS EMRI, MELINDA SZILÁGYI, FRUZZINA ANTON, ISTVÁN PÓCSI

MELANIZATION PROTECTS CELLS FROM CELL WALL DEGRADING ENZYMES IN *ASPERGILLUS NIDULANS*

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

MPP-21

TAMÁS PETKOVITS, ILDIKÓ NYILASI, STELLA A. KOVÁCS, CSABA VÁGVÖLGYI, ◆ TAMÁS PAPP

STOCHASTIC CHARACTER MAPPING OF CARBON SOURCE UTILIZATION DATA ON A MULTIGENE PHYLOGENETIC TREE OF THE *MORTIERELLA*LES

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

MPP-22

ILDIKÓ NYILASI, ARANKA STELLA KOVÁCS, HAJNALKA JUHÁSZ, KATA EDIT KRISTÓ, ◆ OTTÓ BENCSEK, ANDRÁS SZEKERES, TAMÁS PAPP, CSABA VÁGVÖLGYI

INVESTIGATION OF THE Ω -6 AND Ω -3 FATTY ACID PRODUCTION OF DIFFERENT *MORTIERELLA* AND RELATED SPECIES

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

MPP-23

◆ FLÓRA SEBŐK, CSABA DOBOLYI, GYÖRGY KÉRÉSZ, SÁNDOR SZOBOSZLAY, BALÁZS KRISZT

SENSITIVITY OF TWO THERMOPHILIC FUNGAL SPECIES TO DIFFERENT TOXIC COMPOUNDS

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

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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 open

Tuesday,	October 15.	18.00 - 21.30
Wednesday,	October 16.	8.00 - 17.00
Thursday,	October 17.	8.00 - 17.00
Friday	October 18	8.00 – 13.30

Payment at the desk will be available in Hungarian Forints. At the reception desk of the hotel there is a possibility to change money.

During CEFORM, information and help may be obtained at the Registration Desk. Weco Travel Ltd. (Incoming & Congress Department, Rumbach S. utca 19, Budapest, H-1075 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.; <http://hotelhelikon.hu/en/?gclid=CNiw-ozu1rkCFcFb3godekQABg>)

Accommodation

Accommodation of participants is in Hotel Helikon. 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).

The time limit will be as strictly enforced as possible. Standard audio-visual equipment will be provided (video projector & computer). Please indicate your special needs (e.g. dual projecting) by e-mail to the Meetings Secretary (fotitkar@mmt.org.hu).

Speakers and chairpersons should meet minimum 10 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 15 afternoon, but not later than October 16 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 most outstanding student poster. The award 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 18, Friday noon. The poster award will be announced at the Closing ceremony starting at 13.00 on October 18. The winning poster presenter will get the present of the Eppendorf Company.

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 journal **Acta Microbiologica et Immunologica Hungarica** (http://akkr.hu/21/journals/products/medicine/acta_microbiologica_et_immunologica_hungarica_eng).

Exhibition

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

Travel to Keszthely

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

To participants arriving to Budapest by plane it is recommended to choose the „Airport Shuttle” 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. 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 15, 2013

Departure		Arrival	
15.25	Budapest Déli pályaudvar	18.31	Keszthely
17.25	Budapest Déli pályaudvar	20.31	Keszthely
19.25	Budapest Déli pályaudvar	22.31	Keszthely

Wednesday, October 16, 2013

07.25	Budapest Déli Pályaudvar	10.31	Keszthely
09.25	Budapest Déli Pályaudvar	12.31	Keszthely

The hotel is in a 10 minutes walking distance from Keszthely Railway Station.

Participants coming by car should follow the shields of Hotel Helikon. The hotels are located close to the harbour of Keszthely. The use of the parking place of the Hotel Helikon is free for 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=&wgsx1=&wgsx2=&p1.x=42&p1.y=123>

<http://www.terkepcentrum.hu/index.asp?go=mapszarvashu2&sx=1000&sy=1000&ex=1268.61538461538&ey=3038.453333333333&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 guests of Hotel Helikon will be served in the hotel. All other meals (lunch, dinner) and the Reception will be arranged in the Restaurant of Hotel Helikon on a buffet basis: different main dishes (including vegetarian, etc.), soups and a broad selection of entrées, desserts are always at ones favour.

Emergencies

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

Insurance

The organisers cannot be held responsible for injury to 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 27 %.

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.