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Termékpalettánkon szerepelnek, pl. *Chlamydia trachomatis*, *Mycobacterium tuberculosis*, HSV ½, CMV, EBV, *Plasmodium sp.*, különböző **Hepatitisz és Influenza vírusok** azonosítására szolgáló kitek. A munkafolyamat megkönnyítése érdekében javasoljuk, pl. a **Qiagen QIAamp Viral RNA Mini kit** (Cat. No. 52904) illetve a **QIAamp Mini Kit** (Cat. No. 51304) használatát.



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15th International Congress of the Hungarian Society for Microbiology

P R O G R A M M E

Eötvös Loránd University

Budapest, Hungary

July 18-20, 2007

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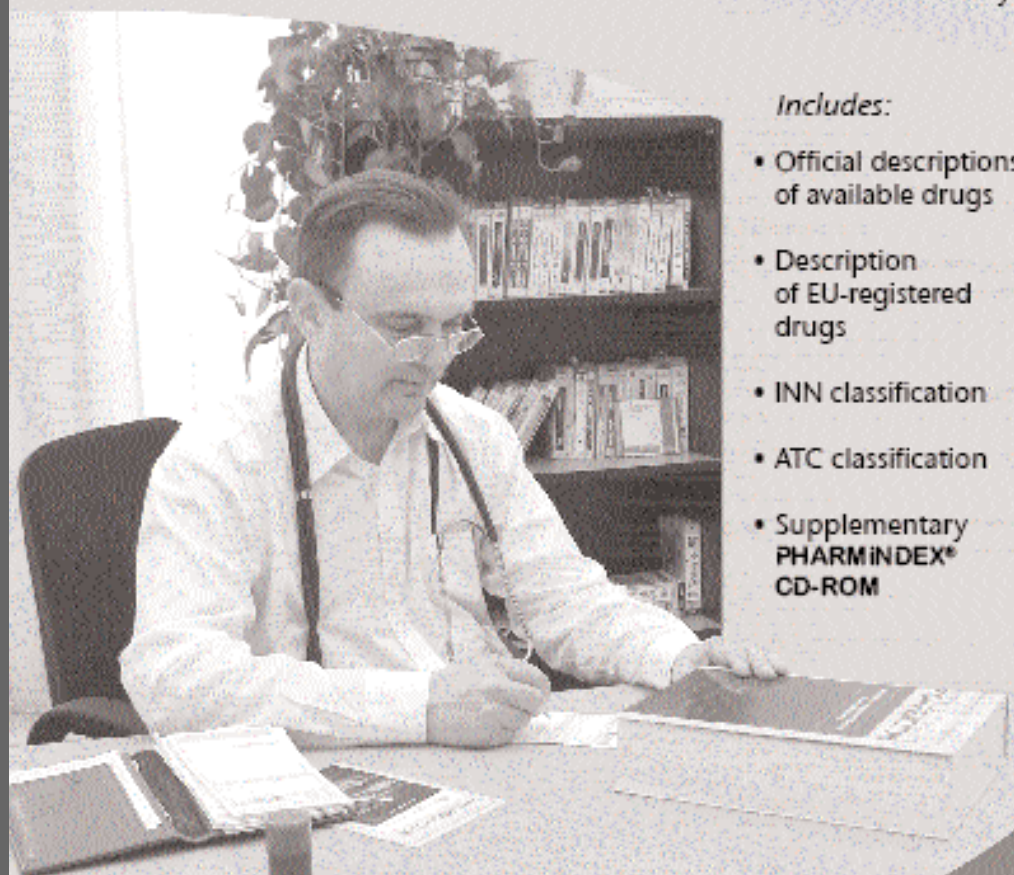
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15th International Congress
of the
Hungarian Society for
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Organized by the

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

Eötvös Workshops of Science Conference



Programme at a glance

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

Classroom No. 2	9.00-12.50 14.00-16.45	Agricultural and Food Microbiology Session Industrial Microbiology Session
Classroom No. 3	10.00-12.25	Beta-lactamase Minisymposium
Poster Corridor	10.00-12.00 16.00-17.30	Environmental Microbiology Poster Session Bacteriology Poster Session and Virology Poster Session
	18.00- 19.30-	Start of the sightseeing at Buda Castle District at the front of Matthias Church Organ Concert in the Matthias Church
Friday, July 20		
Auditorium No. 1	8.30-11.30	Virology Session
Auditorium No. 2	9.00-10.50	Bacteriology Session
Classroom No. 1	9.00-11.45	Environmental Microbiology Session
Poster Corridor	9.00-10.30 10.30-12.00	Mycology Poster Session Agricultural and Food Microbiology Poster Session
The Biological and Geological Collection of the Faculty of Science, Eötvös L. University		
	12.00-13.00	Visit of the Collections and Farewell drink

10.30 Opening Ceremony

Welcome Addresses of

János Minárovits President of the Hungarian Society for Microbiology

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

11.00-15.45 Manninger Memorial Session

Chairpersons: Lajos Gergely and János Minárovits

Manninger Lecture

11.00-11.30

ÉVA CZIRÓK

REMEMBRANCE: FORTY YEARS IN BACTERIOLOGY

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

**Inaugural Lectures by Honorary Members
of the Hungarian Society for Microbiology**

11.30-12.05

STANLEY A. PLOTKIN

NEW AND FUTURE VACCINES

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

12.05-12.40

ILYA BOROVOK, EINAT ROTMAN, JESSICA

BENHAMOU, RACHEL SCHREIBER, GERALD COHEN,
*YAIR AHARONOWITZ

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

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

12.40-14.00 Lunch Break

14.00-15.45 Manninger Memorial Session – Contd.

Chairpersons: József Farkas and János Minárovits

**Inaugural Lectures by Honorary Members
of the Hungarian Society for Microbiology**

- 14.00-14.35 RUDOLF AMANN
**GATEKEEPERS OF THE BIOSPHERE: STUDYING MARINE
MICROORGANISMS WITH ENVIRONMENTAL GENOMICS**
Department of Molecular Ecology, Max Planck Institute of Marine
Microbiology, Bremen, Germany
- 14.35-15.10 SEBASTIAN G. B. AMYES
**SUPERBUGS: THE RECENT EXPANSION OF MULTI-
ANTIBIOTIC RESISTANT BACTERIA**
Centre for Infectious Diseases, University of Edinburgh, Scotland, UK
- 15.10-15.45 PURNENDU C. VASAVADA
**RAPID METHODS AND AUTOMATION IN MICROBIOLOGY:
A QUARTER CENTURY OF DEVELOPMENTS – PROMISE,
PROSPECTS AND CHALLENGES**
University of Wisconsin – River Falls, USA

16.00-18.30 Plenary Session – Vaccines and New Therapeutic Approaches*Chairpersons: Stanley Plotkin and Eva Maria Fenyö***16.00-16.30****VTP-1*****SUZAN SZATHMARY¹, LÁSZLÓ STIPKOVITS², PÉTER GRANDICS³****NOVEL VACCINE TECHNOLOGIES**

¹GalenBio, Carlsbad, California, USA; ²Veterinary Medical Research Institute, Hungarian Academy of Sciences, Budapest, Hungary; ³Sterogene, Carlsbad, California, USA

16.30-17.00**VTP-2*****LASZLO OTVOS JR., MARE CUDIC, GORAN KRAGOL, KRISTINA MOZDZANOWSKA, WALTER GERHARD****FULLY SYNTHETIC PEPTIDE VACCINES TO THE ECTODOMAIN OF THE M2 PROTEIN PROTECT MICE FROM INFLUENZA INFECTION**

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

17.00-17.30**VTP-3****MATTIAS MILD^{1,2}, JOAKIM ESBJÖRNSSON^{1,2}, *EVA MARIA FENYÖ², PATRIK MEDSTRAND¹****FREQUENT INTRAPATIENT RECOMBINATION BETWEEN HIV-1 R5 AND X4 ENVELOPES: IMPLICATIONS FOR CORECEPTOR SWITCH**

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

17.30-17.50 Coffee break

Chairpersons: Yvette Mándi and Julius Rajčáni

17.50-18.10

VTP-4

JULIANNA LISZIEWICZ

DERMAVIR PATCH VACCINE FOR THE TREATMENT OF HIV/AIDS

Genetic Immunity, Budapest, Hungary and Washington, USA, and Marie Curie Chair, Semmelweis University, Budapest, Hungary

18.10-18.40

VTP-5

YECHIEL BECKER

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

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

Wednesday, July 18 Roof-terrace of the Faculty of Science

19.30 Congress Banquet

The 1st Dance Competition of Microbiologists

9.00-13.00 Bacteriology Session*Chairpersons: Tobias Ölschläger and Béla Nagy***9.00-9.45****BOP-1**

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

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

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

9.45-10.00**BOP-2**

*LEVENTE EMÖDY, ORSOLYA BENEDEK

VIRULENCE OF HUMAN PATHOGENIC *YERSINIA* SPECIES

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

10.00-10.15**BOP-3**

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

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

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

10.15-10.30**BOP-4**

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

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

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

10.30-10.45**BOP-5**

*PÉTER ZSOLT FEKETE, BÉLA NAGY

**PHENO AND GENOTYPIC ANALYSIS OF SGI1 POSITIVE
SALMONELLA TYPHIMURIUM ISOLATES IN HUNGARY**

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

10.45-11.00

BOP-6

*GÁBOR NAGY¹, TIBOR PÁL¹, LEVENTE EMŐDY¹, JÖRG HACKER²

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

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

11.00-11.30 Coffee break

Chairpersons: Judit Deák and Levente Emődy

11.30-11.45

BOP-7

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

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

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

11.45-12.00

BOP-8

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

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

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

12.00-12.15

BOP-9

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

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

¹Department of Medical Microbiology and Immunobiology, University of Szeged; ²Polyclinic of Szeged; ³^{1st} Department of Internal Medicine;

⁴Department of Pathology, University of Szeged; ⁵Second Department of Internal Medicine, Semmelweis University, Budapest, Hungary

12.15-12.30

BOP-10

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

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

¹Southern Great Plain Regional Institute, National Public Health and Medical Officers' Services, Szeged; ²National Institute for Animals' Health, Debrecen;

³ÁNTSZ Labor Ltd, Debrecen; ⁴Animal Health and Food Control Station of Hajdú-Bihar County, Debrecen, Hungary

12.30-12.45

BOP-11

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

ENDOTOXIN ANALYSIS BY ELECTROPHORESIS AND MICROCHIP TECHNOLOGY

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

12.45-13.00

BOP-12

*ÁGNES CSANÁDI¹, ILDIKÓ FALUDI¹, ATTIKA CSORBA², TAMÁS JANÁKY², ANDRÁS MICZÁK¹

RIBONUCLEASE RNE/RNG FAMILY PROTEIN FROM *MYCOBACTERIUM SMEGMATIS*

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

14.00-17.20 Environmental Microbiology Session*Chairpersons: Erko Stackebrandt and Károly Máriaiget***14.00-14.30****EOP-1***ERKO STACKEBRANDT, EVELYNE BRAMBILLA,
SYLVIE COUSIN**BIAS OR NOT: THE DIVERSITY OF FLAVOBACTERIA**DSMZ-German Collection of Microorganisms and Cell Cultures,
Braunschweig, Germany**14.30-14.50****EOP-2***ERIKA TÓTH¹, VERONIKA BOHUS¹, JUDIT MAKK¹,
ANNA J. SZÉKELY², KÁROLY MÁRIALIGETI^{1,2}**MICROBIAL COMMUNITY OF THE HIGH PURITY WATER
SYSTEM OF A POWER PLANT**¹Department of Microbiology; ²Cooperation Research Center for the
Environment, Eötvös Loránd University, Budapest, Hungary**14.50-15.10****EOP-3***MARCELL NIKOLAUSZ¹, ANTONIS CHATZINOTAS²,
MÁRTON PALATINSZKY³, GWENAEL IMFELD⁴, PAULA
MARTINEZ¹, MATTHIAS KÄSTNER¹**A NOVEL MULTIPLEX TAXON-SPECIFIC SINGLE NUCLEOTIDE
PRIMER EXTENSION ASSAY FOR THE DETECTION OF
MICROORGANISMS**¹Department of Bioremediation; ²Department of Environmental Microbiology,
UFZ Helmholtz Centre for Environmental Research, Leipzig, Germany;³Department of Microbiology, Eötvös Loránd University, Budapest, Hungary;⁴Department of Isotope Biogeochemistry, UFZ Helmholtz Centre for
Environmental Research, Leipzig, Germany**15.10-15.25****EOP-4***MÁRTON PALATINSZKY¹, MARCELL NIKOLAUSZ²,
KÁROLY MÁRIALIGETI¹**PREFERENTIAL LIGATION DURING CLONE LIBRARY
CONSTRUCTION CAUSE BIASED COMMUNITY COMPOSITION
PICTURE**¹Department of Microbiology, Eötvös Loránd University, Budapest, Hungary;²Department of Bioremediation, UFZ-Helmholtz Centre for Environmental
Research, Leipzig, Germany**15.25-16.00 Coffee break**

16.00-16.30

EOP-5

*MILTON S. DA COSTA, NUNO EMPADINHAS
**ACCUMULATION AND BIOSYNTHESIS OF COMPATIBLE
 SOLUTES IN THERMOPHILES AND HYPERTHERMOPHILES**

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

16.30-16.50

EOP-6

*GÁBOR RÁKHELY^{1,2}, JUDIT BALOGH², DÓRA LATI-
 NOVICS¹, LÍVIA S. PALÁGYI-MÉSZÁROS¹, EDIT GYŐRI¹,
 TÍMEA BALOGH¹, KORNÉL L. KOVÁCS^{1,2}

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

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

16.50-17.05

EOP-7

ZSUZSANNA POHNER^{1,2}, TAMÁS FELFÖLDI^{1,2}, *BALÁZS
 VAJNA¹, KATALIN BARKÁCS^{2,3}, KÁROLY MÁRIALIGETI^{1,2}
**EFFECT OF BIOFILM CARRIERS ON THE MICROBIAL DIVERSI-
 TY IN A "LIVING MACHINE"**

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

17.05-17.20

EOP-8

*GÁBOR NYÍRÓ^{1,3}, GABINO SANCHEZ-PEREZ², ALEX
 MIRA³, MATILDE SUBLIMI-SAPONETTI³, LEJLA PASIC³,
 FRANCISCO RODRIGUEZ-VALERA³

**ADAPTATION OF THE *SALIBACTER RUBER* PROTEOME TO
 CHANGING SALINITY BY SPECIALIZED PARALOGS:
 THE CONCEPT OF ECOPARALOGS**

¹Department of Microbiology, Eötvös Loránd University, Budapest, Hungary;
²Department of Biochemistry and Molecular Biology, Dalhousie University,
 Halifax, Canada; ³Department of Microbiology, Universidad Miguel Hernandez,
 Alicante, Spain

8.30-13.00 Virology Session – Regulatory Mechanisms*Chairpersons: Peter Medveczky and László Ötvös***8.30-8.55****VOP-1**

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

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

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

8.55-9.20**VOP-2***JÚLIUS RAJČÁNI¹, VLADIMÍRA ĎURMANOVÁ¹, MICHAL SAPÁK², JÁN KOŠOVSKÝ¹, INGBORG REŽUCHOVÁ¹, MARCELA KÚDELOVÁ¹, MILAN BUC²**IMMUNE RESPONSE AND CYTOKINE PRODUCTION FOLLOWING IMMUNIZATION WITH EXPERIMENTAL HERPES SIMPLEX VIRUS 1 (HSV-1) VACCINES**¹Institute of Virology, Slovak Academy of Sciences; ²Department of Immunology, Medical Faculty of Comenius University, Bratislava, Slovak Republic**9.20-9.35****VOP-3***ANITA KOROKNAI¹, FERENC BÁNÁTI¹, GYÖRGY FEJÉR², HANS HELMUT NILLER³, DÁNIEL SALAMON¹, JÁNOS MINÁROVITS¹**ANALYSIS OF HISTONE H3 AND H4 ACETYLATION AND HISTONE H3-K4 METHYLATION AT THE LATENT EBV PROMOTER LMP-1**¹Microbiological Research Group, National Center for Epidemiology, Budapest, Hungary; ²Max-Planck Institute for Immunobiology, Freiburg, Germany; ³Institute for Medical Microbiology and Hygiene, University of Regensburg, Germany**9.35-9.50****VOP-4***FERENC BÁNÁTI¹, ANITA KOROKNAI¹, MÁRIA TAKÁCS², DÁNIEL SALAMON¹, HANS HELMUT NILLER³, JÁNOS MINÁROVITS¹**EFFECT OF CPG METHYLATION ON BINDING OF NUCLEAR PROTEINS TO THE EBER 1 PROMOTER OF EPSTEIN-BARR VIRUS**¹Microbiological Research Group; ²Division of Virology, National Center for

Epidemiology, Budapest, Hungary; ³Institute for Medical Microbiology and Hygiene, University of Regensburg, Germany

9.50-10.05

VOP-5

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

REGULATION OF CD23 EXPRESSION BY DNA METHYLATION AND HISTONE ACETYLATION

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

10.05-10.20

VOP-6

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

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

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

10.20-10.35

VOP-7

*LÁSZLÓ OROSZ¹, LAJOS KEMÉNY², KLÁRA MEGYERI¹
VESICULAR STOMATITIS VIRUS INFECTION TRIGGERS APOPTOSIS ASSOCIATED WITH DECREASED $\Delta DDNP63A$ AND INCREASED BAX LEVELS IN THE IMMORTALIZED HACAT KERATINOCYTE CELL LINE

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

10.35-11.00 Coffee break

Virology Session – Persistent infections

Chairpersons: Tibor Vályi-Nagy and József Kónya

11.00-11.25

VOP-8

TIBOR VÁLYI-NAGY

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

Dept. of Pathology, University of Illinois, College of Medicine, Chicago, USA

- 11.25-11.40 VOP-9**
 *KRISZTINA SZARKA¹, ANNAMÁRIA SZABÓ^{1,2}, ENIKŐ FEHÉR¹, GYÖRGYI SZLÁDEK¹, ETELKA D. TÓTH², ILDIKÓ MÁRTON², ILDIKÓ TAR²
ETIOLOGICAL ROLE OF HPV AND TTV INFECTION IN ORAL CARCINOGENESIS
¹Department of Medical Microbiology; ²Faculty of Dentistry, Medical and Health Science Center, University of Debrecen, Hungary
- 11.40-11.55 VOP-10**
 ENIKŐ FEHÉR¹, JUDIT KISS^{1,2}, ILDIKÓ TAR², *KRISZTINA SZARKA¹
CORRELATION OF HPV PREVALENCE, CLINICAL AND PATIENT DATA IN INDIVIDUALS WITH ORAL PRECANCEROUS LESIONS
¹Department of Medical Microbiology; ²Faculty of Dentistry, Medical and Health Science Center, University of Debrecen, Hungary
- 11.55-12.10 VOP-11**
 *TAMÁS GÁLL¹, TAMÁS MAJOR^{1,2}, KRISZTINA SZARKA¹
EFFECT OF CIDOFOVIR THERAPY ON HPV COPY NUMBER IN A CASE OF JUVENILE RECURRENT RESPIRATORY PAPILLOMATOSIS
¹Department of Medical Microbiology; ²Clinic of Otorhinolaryngology and Head & Neck Surgery, Medical and Health Science Center, University of Debrecen, Debrecen, Hungary
- 12.10-12.25 VOP-12**
 ESZTER GYÖNGYÖSI, ENIKŐ FEHÉR, ANITA SZALMÁS, *JÓZSEF KÓNYA
ANTI-VCA IGG TITER AND SEROLOGIC MARKERS OF REACTIVATING EPSTEIN-BARR VIRUS INFECTION
 Department of Medical Microbiology, Medical Center, University of Debrecen, Hungary
- 12.25-12.40 VOP-13**
 *GÁBOR KULCSÁR¹, KATINKA BELÁK², MARYLÉNE TIGNON³, FRANK KOENEN³, KATALIN FÁBIÁN¹, TÍMEA BARNÁ¹, RÉKA LÉVAI¹, ATILA FARSANG¹
THE BIOLOGICAL FEATURES OF A CLASSICAL SWINE FEVER VIRUS WITH WILD BOAR ORIGIN: OUTCOMES OF A TEST IN DOMESTIC PIGS
¹Central Agricultural Office, Directorate of Veterinary Medical Products, Budapest, Hungary; ²National Veterinary Institute, Uppsala, Sweden; ³Veterinary and Agrochemical Research Centre, Bruxelles, Belgium

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

Chairpersons: Attila Horváth and Károly Nagy

14.00-14.05

KÁROLY NAGY

INTRODUCTION – STIS' IN DEVELOPED WORLD

Institute of Medical Microbiology, Semmelweis University, Budapest, Hungary

14.05-14.35

STD-1

ANGELIKA STARY

NUCLEIC ACID AMPLIFICATION TECHNIQUES IN THE DIAGNOSIS OF STIS'

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

14.35-14.55

STD-2

KÁROLY NAGY

SIGNIFICANCE OF HIV DRUG RESISTANCE IN THE MANAGE- MENT OF AIDS

Institute of Medical Microbiology, Semmelweis University, Budapest, Hungary

14.55-15.15

STD-3

ATTILA HORVÁTH

MIGRATION AND SYPHILIS IN CENTRAL EUROPE

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

15.15-15.35

STD-4

JUDITH DEÁK

MOLECULAR DIAGNOSTICS AND CLINICAL RELEVANCE OF CHLAMYDIA TRACHOMATIS INFECTIONS

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

15.35-15.55

STD-5

JOSEPH ONGRÁDI

GENITAL HERPES – AN UPDATE

Institute of Public Health, Semmelweis University, Budapest, Hungary

15.55-16.15

STD-6

ISTVÁN SZILLER

HPV VACCINES AND THEIR APPLICATION IN GYNECOLOGI- CAL PRACTICE

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

9.00-15.45 Mycology Session*Chairpersons: Teun Boekhout and Anna Maráz***9.00-9.30****MOP-1**

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

THE EXPANDING REALM OF CRYPTOCOCCUS NEOFORMANS

Centraalbureau voor Schimmelcultures, Utrecht, The Netherlands

9.30-9.50**MOP-2***ISTVÁN PÓCSI¹, ANDREA FEKETE¹, ÁGNES GYETVAI¹, TAMÁS EMRI¹, BÉLA LENKEY¹, MIKLÓS PESTI², LEVENTE EMÓDY³, LAJOS GERGELY⁴**CONNECTION BETWEEN THE OXIDATIVE STRESS TOLERANCE AND VIRULENCE OF CANDIDA ALBICANS – BIOMEDICAL AND PHARMACEUTICAL CONSIDERATIONS**¹Department of Microbial Biotechnology and Cell Biology, Faculty of Science, University of Debrecen, Hungary; ²Department of General and Environmental Microbiology, Faculty of Science; ³Department of Medical Microbiology and Immunology, Medical School, University of Pécs, Hungary; ⁴Department of Medical Microbiology, University of Debrecen, Hungary**9.50-10.10****MOP-3***PALANISAMI MANIKANDAN¹, SÁNDOR KOCSUBÉ², ILONA DÓCZI³, VENKATAPATHY NARENDRAN¹, MADHAVAN BHASKAR⁴, JÁNOS VARGA¹, ZSUZSANNA ANTAL², CSABA VÁGVÖLGYI², RAJARAMAN REVATHI¹, ERZSÉBET NAGY³, LÁSZLÓ KREDICS²**ASPERGILLUS KERATITIS: EPIDEMIOLOGICAL FEATURES, MOLECULAR IDENTIFICATION, ANTIFUNGAL SUSCEPTIBILITY AND CLINICAL OUTCOME AT THE ARAVIND EYE HOSPITAL IN SOUTH INDIA**¹Aravind Eye Hospital, Tamilnadu, India; ²Department of Microbiology, Faculty of Sciences; ³Department of Clinical Microbiology and Diagnostics, Faculty of Medicine, University of Szeged, Hungary; ⁴Department of Microbiology, Coimbatore Medical College, Coimbatore, India**10.10-10.25****MOP-4***FERENC SOMOGYVÁRI¹, JULIANNA SERLY^{1,2}, ÁGNES FERENCZY^{1,2}, ILONA DÓCZI², CSABA VÁGVÖLGYI³, ELIZABETH NAGY², YVETTE MÁNDI¹**DIFFERENTIAL DIAGNOSTIC OPPORTUNITIES IN FUNGAL SEPSIS BY REAL-TIME PCR**

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

10.25-10.40 Coffee break

Chairpersons: Julius Subik and István Pócsi

10.40-11.10

MOP-5

JULIUS SUBIK

MULTIDRUG RESISTANCE REGULATION IN YEAST

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

11.10-11.25

MOP-6

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

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

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

11.25-11.40

MOP-7

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

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

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

11.40-12.00

MOP-8

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

STRUCTURE AND DYNAMICS OF THE ANTIFUNGAL PROTEIN PAF BY NMR

¹Department of Biochemistry, Centre of Arts, Humanities and Sciences, University of Debrecen, Hungary; ²Division of Molecular Biology, Biocenter,

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

12.00-12.30

SPONSORED PRESENTATION

HELMUT WINKELMANN

STEAM STERILIZATION TECHNOLOGY FOR LABORATORY APPLICATIONS

Systec Ltd, Wettenberg, Germany and Labssystem Ltd, Budapest, Hungary

12.30-13.30 Lunch break

Chairpersons: Vladimir Mrša and Peter Raspor

13.30-14.00

MOP-9

VLADIMIR MRŠA

YEAST CELL WALL PROTEINS AND THEIR BIOTECHNOLOGICAL POTENTIAL

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

14.00-14.30

MOP-10

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

BIODIVERSITY AND FUNCTIONS OF YEAST IN GRAPE/WINE MICROBIAL COMMUNITY

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

14.30-14.45

MOP-11

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

POLYPHASIC TAXONOMY OF *ASPERGILLUS* SECTION *NIGRI*

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

14.45-15.00

MOP-12

*LÓRÁNT HATVANI¹, SÁNDOR KOCSUBÉ¹, LÁSZLÓ MANCZINGER¹, ZSUZSANNA ANTAL¹, ANDRÁS SZEKERES³, IRINA S. DRUZHININA², CHRISTIAN P. KUBICEK², CSABA VÁGVÖLGYI¹, LÁSZLÓ KREDICS¹
PLEUROTUS GREEN MOULD DISEASE: A PCR-BASED TEST FOR THE RAPID DETECTION OF THE CAUSATIVE AGENTS, TRICHODERMA PLEUROTOPHILUM AND TRICHODERMA FULVIDUM

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

15.00-15.15

MOP-13

*MÓNIKA MOLNÁR¹, NANCY KLECKNER²
A STUDY ON CHROMOSOMAL INTERACTIONS AND SOMATIC PAIRING IN DIPLOID SCHIZOSACCHAROMYCES POMBE CELLS

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

15.15-15.30

MOP-14

*TAMÁS EMRI, ZSOLT MOLNÁR, MELINDA SZILÁGYI, ANIKÓ JUSTYÁK, TÜNDE PUSZTAHELYI, ISTVÁN PÓCSI
REGULATION OF THE EXTRACELLULAR CHITINASE AND PROTEINASES IN AUTOLYSING ASPERGILLUS NIDULANS CULTURES

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

15.30-15.45

MOP-15

*ATTILA GÁCSE¹, DÁVID TRÓFA¹, WILHELM SCHÄFER², JOSHUA D. NOSANCHUK^{1,3}
TARGETED GENE DELETION IN A CLINICAL CANDIDA PARAPSILOSIS ISOLATE DEMONSTRATES THE ROLE OF SECRETED LIPASE IN VIRULENCE AND PATHOGENESIS

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

9.00-12.50 Agricultural and Food Microbiology Session*Chairpersons: Wilhelm Holzapfel and József Farkas***9.00-9.30****FOP-1*****WILHELM H. HOLZAPFEL^{1,2}, LEON M.T. DICKS¹****MODERN CHALLENGES FOR THE APPLICATION OF LACTIC ACID BACTERIA FOR THE BENEFIT OF MANKIND**¹Department of Microbiology, Stellenbosch University, South Africa; ²School of Life and Food Sciences, Handong Global University, Pohang, South Korea**9.30-9.50****FOP-2****JÓZSEF FARKAS^{1,2}, CSILLA MOHÁCSI-FARKAS³****RAPID INSTRUMENTAL METHODS FOR INVESTIGATION OF MICROBIOLOGICAL CONTAMINATION OF FOODS**¹Central Food Research Institute; ²Department of Refrigeration and Livestock Products' Technology; ³Department of Microbiology and Biotechnology, Faculty of Food Science, Corvinus University of Budapest, Hungary**9.50-10.05****FOP-3*****REYHANEH SARIRI, SHAHIN AHMADVAND****ANTIMICROBIAL ACTIVITY OF TURNIP EXTRACTS**

Department of Biology, Gilan University, Rasht, Iran

10.05-10.20**FOP-4*****GÁBOR KARDOS^{1,2}, ZSUZSANNA GALÁNTAI⁴, JÚLIA MÉSZÁROS⁴, IBOLYA TURCSÁNYI², ANDREA BISTYÁK², ÁGNES JUHÁSZ⁵, IVELINA DAMJANOVA⁶, JUDIT PÁSZTI⁶, ISTVÁN KISS¹****DIVERSITY OF THERMOTOLERANT CAMPYLOBACTERS IN CHICKEN-DERIVED ABATTOIR AND COMMERCIAL EGG SAMPLES IN A HUNGARIAN COUNTY**¹Department of Microbiology; ²Department of Pathology, Central Agricultural Office, Debrecen, Hungary; ³Department of Medical Microbiology, University of Debrecen; ⁴Hajdú-Bihar County Agricultural Office, Foodchain Safety and Animal Health Directorate, Debrecen; ⁵ÁNTSZ Laboratory Ltd, Debrecen; ⁶National Center for Epidemiology, Budapest, Hungary**10.20-10.35****FOP-5*****TÍMEA VIZI, SZILÁRD KUN, QUANG D. NGUYEN, JUDIT M. REZESSY-SZABÓ****UTILIZATION OF PREBIOTICS BY VARIOUS BACTERIAL STRAINS**

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

10.35-11.00 Coffee break

11.00-11.20

FOP-6

KASHI YECHEZKEL

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

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

11.20-11.35

FOP-7*BORBÁLA BIRÓ¹, ANNA FÜZY¹, LYUDMILA P. ANTONYUK², ALEXANDER A. KAMNEV², ANDRÁS LUKÁCS¹, TAMÁS NÉMETH¹**REGULAR DYNAMICS OF PLANT-MICROBIAL COLONIZATION IN SEWAGE-SLUDGE TREATED SOILS**¹Research Institute for Soil Science and Agricultural Chemistry, Hungarian Academy of Sciences, Budapest, Hungary; ²Institute of Biochemistry and Physiology of Plants and Microorganisms, Russian Academy of Sciences, Saratov, Russia

11.35-11.50

FOP-8*ANTAL HEGEDŰS¹, PÉTER PACSUTA², BORBÁLA BIRÓ¹
EARLY GROWTH RETARDATION OF MYCORRHIZA-INOCULATED TOMATO, BUT BETTER YIELD FINALLY IN A SOIL FREE SYSTEM¹Juhász Gyula Pedagogical Faculty, University of Szeged; ²BIO-deTECHt Ltd, Érd; ³Research Institute for Soil Science and Agricultural Chemistry, Hungarian Academy of Sciences, Budapest, Hungary

11.50-12.05

FOP-9*MARGIT A. KORBÁSZ¹, ILDIKÓ BATA-VIDÁCS¹, NÓRA SZÉKELY², HUSSEIN DAOOD³, JÓZSEF FARKAS¹, ÉVA ANDRÁSSY¹, JUDIT BECZNER¹**THE MICROBIAL CONTAMINATION OF DRIED PAPRIKA BERRIES**¹Department of Microbiology, Central Food Research Institute; ²Department of Microbiology and Biotechnology, Corvinus University of Budapest; ³Department of Analytics, Central Food Research Institute, Budapest, Hungary

12.05-12.20

FOP-10

ZOLTÁN NAÁR

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

Department of Botany, Eszterházy Károly College, Eger, Hungary

12.20-12.35**FOP-11**

ANNA FÜZY, TIBOR TÓTH, *BORBÁLA BIRÓ
**MYCORRHIZAL COLONIZATION RATES AFFECTED BY
DROUGHT AND SALINITY IN A MODEL EXPERIMENT**

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

12.35-12.50**FOP-12**

CSABA LITKEI¹, VINCE ÖRDÖG¹, *ILONA VILLÁNYI²
SOIL ALGAE AS POTENTIAL HYDROGEN PRODUCERS

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

14.00-16.45 Industrial Microbiology Session*Chairpersons: Christian Kubicek and Sándor Biró***14.00-14.30****IOP-1**

CHRISTIAN P. KUBICEK

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

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

14.30-14.50**IOP-2**

*SÁNDOR BIRÓ, ZSUZSANNA BIRKÓ, ZSUZSANNA KISS

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

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

14.50-15.10**IOP-3***LEVENTE KARAFFA¹, ERZSÉBET FEKETE¹, CHRISTIAN P. KUBICEK², ATTILA SZENTIRMAI¹, BERNHARD SEIBOTH²**INDUCTION OF EXTRACELLULAR β -GALACTOSIDASE (*BGA1*) FORMATION BY D-GALACTOSE IN *HYPOCREA JECORINA* IS MEDIATED BY GALACTITOL**¹Department of Genetics and Applied Microbiology, Faculty of Science, University of Debrecen, Hungary; ²Research Area Gene Technology and Applied Biochemistry, Institute of Chemical Engineering, TU Wien, Austria**15.10-15.30****IOP-4***GÁBOR RÁKHELY^{1,2}, KORNÉL L. KOVÁCS^{1,2}**MICROBES FOR THE ENVIRONMENTALLY SOUND ENERGY CARRIERS**¹Department of Biotechnology, University of Szeged; ²Institute of Biophysics, Biological Research Center, Hungarian Academy of Sciences, Szeged, Hungary**15.30-15.45****IOP-5**

*ERIKA KAJDÁCSI, ZSUZSA ANTUNOVICS, MATTHIAS SIPICZKI

SELECTION OF ANTAGONISTIC YEAST FROM APPLE SURFACE MICROBIOTA

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

15.45-16.00

IOP-6

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

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

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

16.00-16.15

IOP-7

ALI MIRJALILI

MICROBIAL CONTAMINATION OF CELL CULTURES: A TWO YEARS STUDY

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

16.15-16.30

IOP-8

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

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

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

16.30-16.45

IOP-9

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

MODELLING SEPTATION IN FISSION YEAST

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

10.00 – 12.25 Beta-lactamase Minisymposium*Chairpersons: Sebastian G.B. Amyes and Tibor Pál***10.00-10.05**

TIBOR PÁL

WELCOME AND INTRODUCTIONDepartment of Medical Microbiology and Immunology, University of Pécs,
Hungary**10.05-10.25****BLS-1**

GYULA MESTYÁN

DETECTION OF VARIOUS BETA-LACTAMASESDepartment of Medical Microbiology and Immunology, University of Pécs,
Hungary**10.25-10.45****BLS-2**

ÉVA LÁNYI

QUALITY CONTROL IN BETA-LACTAMASE DETECTION

Clinic of Pediatrics, University of Pécs, Hungary

10.45-11.05**BLS-3***BALÁZS LIBISCH¹, ÁKOS TÓTH¹, IVELINA DAMJANOVA², MÁRIA GACS¹, MIKLÓS FÜZI¹**TRENDS IN THE PREVALENCE RATE OF ESBL AND ACQUIRED METALLO- β -LACTAMASE PRODUCERS AMONG GRAM-NEGATIVE CLINICAL ISOLATES IN HUNGARY**¹Department of Bacteriology; ²Department of Molecular Epidemiology, National Center for Epidemiology, Budapest, Hungary**11.05-11.25****BLS-4**

*ORSOLYA DOBAY, FERENC ROZGONYI, KÁROLY NAGY

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

Institute of Medical Microbiology, Semmelweis University, Budapest, Hungary

11.25-11.45**BLS-5***DÓRA SZABÓ, FERENC ROZGONYI, KÁROLY NAGY
ASSOCIATION OF BETA-LACTAMASE PRODUCTION WITH OTHER PARTICULARLY QUINOLONE RESISTANCE MECHANISMS

Institute of Medical Microbiology, Semmelweis University, Budapest, Hungary

11.45-12.05**BLS-6**

JÓZSEF SÓKI

 β -LACTAM RESISTANCE AMONG ANAEROBES

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

12.05-12.25**BLS-7**

MARIANNE KONKOLY THEGE

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

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

10.00-12.00 Environmental Microbiology Poster Session

EPP-1

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

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

¹Department of Microbiology, Eötvös Loránd University, Budapest, Hungary;

²Department of Environmental Protection and Environmental Safety, Szent
István University, Gödöllő, Hungary

EPP-2

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

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

¹Department of Biotechnology, University of Szeged; ²Institute of Biophysics,

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

EPP-3

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

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

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

EPP-4

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

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

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

EPP-5

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

**TAXONOMICAL DIVERSITY OF MYCOTA IN A PHYTOREMEDI-
ATED CHERNOZEM RELATED TO CADMIUM AND SELENIUM
LOADING**

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

EPP-6

*KRISZTIÁN HALÁSZ¹, ANDRÁS GEÖSEL¹, NOÉMI LUKÁCS¹, ZOLTÁN BRATEK², ZOLTÁN ILLYÉS²

APPLYING SYMBIOTIC FUNGI TO GERMINATE HUNGARIAN NATIVE ORCHIDS

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

EPP-7

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

COMPARATIVE BACTERIOLOGICAL INVESTIGATIONS ON THE DRINKING WATER NETWORK OF BUDAPEST

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

EPP-8

*BEATRIX KAPUSINSZKY¹, ANITA KERN², ZSÓFIA BARNA², KATALIN SZOMOR¹, GYÖRGY BERENCSEI¹, MÁRTA VARGHA²

DETECTION OF VIRUSES IN HUNGARIAN SURFACE WATERS

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

EPP-9

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

THE IMPORTANCE OF MULTIRESTANT PSEUDOMONAS AERUGINOSA ON BIOREMEDIATED SITES

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

EPP-10

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

CULTIVATION BASED BACTERIAL DIVERSITY OF THE SEDIMENT OF LAKE BALATON

Department of Microbiology, Eötvös Loránd University, Budapest, Hungary

EPP-11

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

MONITORING THE EFFECT OF TEMPERATURE INCREASE ON THE BIOGAS PRODUCING MICROBIAL COMMUNITY

BY MOLECULAR METHODS

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

EPP-12

BALÁZS KRISZT¹, *MÁTYÁS CSERHÁTI¹, SÁNDOR SZOBOSZLAY¹, ANDRÁS TÁNCICS², KÁROLY MÁRIALIGETI², ISTVÁN NAGY³, JÓZSEF KUKOLYA⁴
CLONING AND EXPRESSION OF CATECHOL 1,2 DIOXYGENASES FROM *RHODOCOCCUS GLOBERULUS* AK36 AND *R. RHODOCHROUS* AK40 STRAINS

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

EPP-13

*GABRIELLA MÁTHÉ-GÁSPÁR¹, TIBOR SZILI-KOVÁCS¹, TÜNDE TAKÁCS¹, EMESE SIPTER², PÉTER MÁTHÉ³, ATILA ANTON¹
ENVIRONMENTAL IMPACT OF SOIL POLLUTION WITH TOXIC ELEMENTS

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

EPP-14

*ROLAND MISETA, MÁRTON PALATINSZKY, KÁROLY MÁRIALIGETI, ANDREA K. BORSODI
BACTERIAL COMMUNITIES OF THERMAL-KARSTIC SPRINGS OF SOUTH TRANS-DANUBIUM

Department of Microbiology, Eötvös Loránd University, Budapest, Hungary

EPP-15

ZSUZSANNA NÉMETH
MICROBICIDAL ACTIVITY OF NEW DISINFECTANTS – EXPERIENCES OF TESTING FOR FOOD INDUSTRY USE

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

EPP-16

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

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

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

EPP-17

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

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

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

EPP-18

JUDIT PAPP

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

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

EPP-19

*ENIKŐ SAJBEN¹, ZSUZSANNA ANTAL¹, LÁSZLÓ
MANCZINGER¹, ADRIENN NAGY², CSABA VÁGVÖLGYI¹
**TAXONOMICAL AND PHYSIOLOGICAL INVESTIGATION OF
BACILLUS STRAINS ANTAGONISTIC TO OYSTER MUSHROOM
PATHOGENIC PSEUDOMONADS**

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

EPP-20

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

TESTS OF MICROBIOLOGICAL HYDROCARBON DEGRADATION ON CONTAMINATED GROUNDWATER SAMPLES

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

EPP-21

*TIBOR SZILI-KOVÁCS¹, DANA ELHOTTOVÁ²
**GLUCOSE INDUCED RESPIRATION IN CLAY SUBSTRATES
 DURING SUCCESSION ON A COLLIERY HEAP**

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

EPP-22

*TIBOR SZILI-KOVÁCS¹, IMRE CSERNI², KRISZTINA R. VÉGH¹, KÁLMÁN RAJKAI¹, TAMÁS NÉMETH¹
**FERTILIZER EFFECT ON CARBON DYNAMICS OF THREE
 DIFFERENT TEXTURE SOILS UNDER TOMATO**

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

EPP-23

SÁNDOR SZOBOSZLAY¹, *BÉLA ATZÉL¹, SÁNDOR RÚZS- MOLNÁR², ERIKA TÓTH³, JÓZSEF KUKOLYA², BALÁZS KRISZT¹
**CHRYSEOBACTERIUM HUNGARICUM SP. NOV., ISOLATED
 FROM HYDROCARBON CONTAMINATED SOIL**

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

EPP-24

*ÁKOS TÓTH¹, ANITA MOHR¹, ÉVA MÉSZÁROS¹, CSABA ROMSICS¹, TAMÁS RIKKER², KÁROLY MÁRIALIGETI¹, SÁRA RÉVÉSZ¹
**MICROBIAL COMMUNITY ANALYSIS OF TCE CONTAMINATED
 SITES AND TECHNOLOGY IMPROVEMENT FOR ENHANCED
 BIOREMEDIATION**

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

EPP-25

*KAROLINA VARGA¹, ÉVA MÉSZÁROS¹, ANITA MOHR¹, CSABA ROMSICS¹, TAMÁS RIKKER², KÁROLY MÁRIALIGETI¹, SÁRA RÉVÉSZ¹
**PROKARYOTE DIVERSITY OF TCE CONTAMINATED SITES IN
 HUNGARY**

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

EPP-26

*DIÁNA VIRÁG, ZOLTÁN NAÁR, ATTILA KISS
INVESTIGATION OF POTENTIAL BIOLOGICAL IMPACT OF DISTINCTIVE PESTICIDES AND THEIR DEGRADATES

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

EPP-27

*TAMÁS TAUBER^{1,2}, KATALIN KÉKESI³, IMRE GYARMATI⁴, KÁROLY MÁRIALIGETI^{1,2}, ERIKA M. TÓTH¹
EFFECT OF TEMPERATURE INCREASE ON BACTERIA COMMUNITY OF A SLUDGE DIGESTER DETECTED BY CHEMOTAXONOMICAL METHODS

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

16.00-17.30 Bacteriology Poster Session

BPP-1

RAZIEH P. JAKTAJI
RNA POLYMERASE MODULATION AND TRANSCRIPTION ACTIVITY

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

BPP-2

*BOGLÁRKA SELLYEI¹, ZSUZSANNA VARGA¹, ÉVA IVANICS², TIBOR MAGYAR¹
DIVERSITY OF AVIAN PASTEURELLA MULTOCIDA ISOLATES IN HUNGARY

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

BPP-3

*KATALIN JÁNOSI¹, LÁSZLÓ MAKRAI¹, ISTVÁN HAJTÓS¹, JÁNOS VARGA¹, ATTILA E. TIRIÁN², LÁSZLÓ FODOR¹
COMPARATIVE STUDY OF THE METABOLIC FINGERPRINT OF HISTOPHILUS SOMNI STRAINS ISOLATED FROM FARM ANIMALS

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

BPP-4

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

REVERSAL OF MULTIDRUG RESISTANCE BY ESSENTIAL OIL COMPONENTS

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

BPP-5

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

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

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

BPP-6

*MÓNIKA KERÉNYI¹, BÉLA SEBŐK², HEATHER E. ALLISON³, TIBOR PÁL¹, IMRE SCHNEIDER⁴, FERENC HARANGI⁵

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

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

BPP-7

*TÜNDE KISS¹, EIRWEN MORGAN², GÁBOR NAGY¹

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

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

BPP-8

*ZOLTÁN TIGYI¹, WIEBKE GÄHRS², LEVENTE EMÓDY¹,

JOSEF MAKOVITZKY

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

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

BPP-9

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

AMPLIFICATION OF DNA FRAGMENTS FROM NEOLITHIC AND MUMMIFIED REMAINS

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

BPP-10

*GYÖRGY SCHNEIDER^{1,2}, ÁGNES SONNEVEND³, LEVENTE EMÓDY², BÉLA NAGY¹, TIBOR PÁL²

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

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

BPP-11

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

SERUM-FREE CULTURE MEDIA BASED ON CYCLODEXTRIN/LIPID COMPLEXES

Cyclolab R&D Laboratory Ltd, Budapest, Hungary

BPP-12

*ZSUZSANNA TAPASZTI¹, PETRA FORGÁCH¹, CSABA KÖVÁGÓ¹, LÁSZLÓ BÉKÉSI¹, TAMÁS BAKONYI¹, MIKLÓS RUSVAI²

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

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

VPP-1

*KRISZTIÁN BÁNYAI¹, ELEONORA LORUSSO²,
ALESSANDRA CAVALLI³, CANIO BUONAVOGLIA²,
ANTONIO LAVAZZA³, VITO MARTELLA²

IDENTIFICATION OF NEW GROUP C ROTAVIRUS STRAINS IN PIGLETS

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

VPP-2

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

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

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

VPP-3

*ENIKŐ BARABÁS-HAJDU, LILLA IBOLYA TOMOS, ZOLTÁN KOVÁCS

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

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

VPP-4

MÁRTA CSIRE¹, *BERNADETT PÁLYI¹, GÁBOR MIKALA², ISTVÁN VÁLYI-NAGY³, IMRE CSEH⁴, VILMOS FÜLÖP⁴, MÁRTA BENCZIK⁵, CSABA JENEY⁵, TIBOR TAKÁCS⁵, YOUNES SALEH ALI¹, ERZSÉBET BARCSAY¹, MÁRIA TAKÁCS¹, GYÖRGY BERENCSEI¹, MÁRIA VISY⁶

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

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

VPP-5

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

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

Department of Clinical Microbiology, University of Szeged, Hungary

VPP-6

*KRISZTIÁN HALÁSZ¹, ANDRÁS GEÖSEL¹, MELINDA BRAY², JÓZSEF SZARVAS², CSABA HAJDÚ², NOÉMI LUKÁCS¹

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

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

VPP-7

*BEATRIX KELE, MARIANNA PAPPNÉ ÁBRÓK, JUDITH DEÁK

EPIDEMIOLOGICAL IMPORTANCE OF SPORADIC HUMAN CALCIVIRUSES

Department of Clinical Microbiology, University of Szeged, Hungary

VPP-8

*KLÁRA MEGYERI¹, GYÖRGY SEPRÉNYI², ENIKŐ SONKOLY³, YVETTE MÁNDI¹, LAJOS KEMÉNY³, ÉVA GALLYAS⁴

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

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

VPP-9

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

TREATMENT OF FIRE BLIGHT BY BACTERIOPHAGES

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

VPP-10

LÁSZLÓ KUCSERA

THE HISTORY OF THE ERADICATION PROGRAM AGAINST SYLVATIC RABIES IN HUNGARY

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

VPP-11

JELA MISTRÍKOVÁ¹, ANNA CHALUPKOVÁ¹, ZUZANA HRABOVSKÁ¹, MÁRIA HRICOVÁ¹, MIROSLAVA ŠUPOLÍKOVÁ¹, *JÚLIUS RAJČÁN²

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

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

VPP-12

*ANITA SZEGŐ¹, NATASHA ENÜNLÜ², DORINA VELICEASA², SACHIN DESMUKH², HONGMEI SUN^{1,3}, LÁSZLÓ SZILÁK², NOÉMI LUKÁCS^{1,2}

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

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

VPP-13

*MÁRIA TAKÁCS¹, ÁGNES DENCS¹, CSENGE CSISZÁR¹,
ERZSÉBET RUSVAI¹, VILMOS PÁLFI², GYÖRGY
BERENCSI¹

PREVALENCE OF TTV AND HEV IN SWINES AND PIGLETS IN HUNGARY

¹Division of Virology, National Center for Epidemiology, Budapest, Hungary;

²Central Veterinary Institute, Budapest, Hungary

VPP-14

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

**DEVELOPMENT OF PSEUDORABIES VIRUS-BASED
TRANSSYNAPTIC GENE DELIVERY VECTORS**

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

VPP-15

*TIBOR FARKAS¹, SÁNDOR KECSKEMÉTI¹, GÁBOR KAR-
DOS^{1,2}, SÁNDOR BELÁK³, ISTVÁN KISS¹

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

¹Department of Microbiology, Veterinary Diagnostic Directorate, Central
Agricultural Office; ²Departments of Medical Microbiology, University of

Debrecen, Hungary; ³Department of Virology, National Veterinary Institute and
Swedish Agricultural University, Uppsala, Sweden

VPP-16

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

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

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

8.30-11.30 Virology Session – Methodological Developments

Chairpersons: Miklós Rusvai and János Minárovits

8.30-8.45

VOP-14

*ZOLTÁN DEMETER, ELENA ALINA PALADE, MIKLÓS RUSVAI

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

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

8.45-9.00

VOP-15

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

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

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

9.00-9.15

VOP-16

ZSOLT BOLDOGKŐI

HERPESVIRUS-MEDIATED DELIVERY OF FLUORESCENT ACTIVITY MARKER GENES TO NEURONS

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

9.15-9.30

VOP-17

*GYULA BALKAI¹, ÁKOS HORNÝÁK², RÉKA LÉVAI³, TÍMEA BARNA³, GÁBOR KULCSÁR³, MIKLÓS RUSVAI¹

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

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

9.30-9.45

VOP-18

*CSABA KŐVÁGÓ¹, ZSUZSANNA TAPASZTI¹, MIKLÓS RUSVAI²

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

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

9.45-10.00

VOP-19BRIGITTA LÁSZLÓ, ENIKŐ FEHÉR, JÓZSEF KÓNYA,
*ANITA SZALMÁS**METHYLATION CASSETTE ASSAY TESTING FOR INACTIVATION OF HUMAN IL-10 PROXIMAL PROMOTER**Department of Medical Microbiology, Medical and Health Science Center,
University of Debrecen, Hungary-----
10.00-10.30 Coffee break**10.30-11.30 Virology Session – Phylogenetics and epidemiology***Chairpersons: Balázs Harrach and Mária Takács*

10.30-10.45

VOP-20*LÁSZLÓ KISS^{1,2}, ENDRE SEBESTYÉN³, EMESE LÁSZLÓ¹,
PÁL SALAMON⁴, ERVIN BALÁZS³, KATALIN SALÁNKI¹
**NUCLEOTIDE SEQUENCE ANALYSIS OF PEANUT STUNT
VIRUS RP ISOLATE, PROVE THE ROLE OF RECOMBINATION IN
CUCUMOVIRUS EVOLUTION**¹Agricultural Biotechnology Center, Gödöllő, Hungary; ²Department of Plant Pathology, Corvinus University of Budapest, Hungary; ³Agricultural Research Institute, Hungarian Academy of Sciences, Martonvásár, Hungary; ⁴Fitoteszt Bt., Berkesz, Hungary

10.45-11.00

VOP-21*PETRA FORGÁCH¹, TAMÁS BAKONYI^{1,2}, ARMIN
DEUTZ³, NORBERT NOWOTNY²
**PREVALENCE OF HEPATITIS E VIRUS ANTIBODIES IN OCCU-
PATIONAL GROUPS WITH DIFFERENT EXPOSURE TO SWINE**¹Department of Microbiology and Infectious Diseases, Faculty of Veterinary Science, Szent István University, Budapest, Hungary; ²Zoonoses and Emerging Infections Group, Clinical Virology, Clinical Department of Diagnostic Imaging, Infectious Diseases and Clinical Pathology, University of Veterinary Medicine, Vienna, Austria, ³District Veterinarian, Murau, Styria, Austria

11.00-11.15

VOP-22*GYŐZŐ L. KAJÁN¹, ANDREW J. DAVISON², BALÁZS
HARRACH¹, VILMOS PALYA³, TIBOR PAPP¹, RAJMUND
STEFANCSIK¹, MÁRIA BENKŐ¹
**SEQUENCING AND COMPARATIVE ANALYSIS OF A GOOSE
AND A TURKEY ADENOVIRUS**¹Veterinary Medical Research Institute, Hungarian Academy of Sciences, Budapest, Hungary; ²MRC Virology Unit, Institute of Virology, Glasgow, UK; ³CEVA-Phylaxia Inc, Budapest, Hungary

11.15-11.30

VOP-23

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

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

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

9.00-10.50 Bacteriology Session – In Memoriam Béla Lányi*Chairpersons: Ferenc Rozgonyi and Miklós Füzi***9.00-9.05**

MIKLÓS FÜZI

DR. BÉLA LÁNYI – COMMEMORATION

National Center for Epidemiology, Budapest, Hungary

9.05-9.20**BOP-13**

*MIKLÓS FÜZI, ZSOLT VÉGH

ANTIBIOTIC RESISTANCE OF MAJOR NOSOCOMIAL PATHOGENS IN HUNGARY

National Center for Epidemiology, Budapest, Hungary

9.20-9.35**BOP-14***JUDIT SZABÓ¹, ÁKOS TÓTH², IVELINA DAMJANOVA², GÁBOR KARDOS¹, ZSUZSA DOMBRÁDI¹, MIKLÓS FÜZI², PIROSKA OROSI³**OUTBREAK OF COLONISATION BY EXTENDED SPECTRUM β -LACTAMASE (ESBL) PRODUCING *SERRATIA MARCESCENS* STRAINS IN A NEONATAL INTENSIVE CARE UNIT**¹Department of Medical Microbiology, Medical and Health Science Center, University of Debrecen, Debrecen; ²National Center for Epidemiology, Budapest; ³Clinical Hygiene Ward, Medical and Health Science Center, University of Debrecen, Hungary**9.35-9.50****BOP-15**ZSUZSANNA DOMBRÁDI¹, FERENC BODNÁR², ÁGNES BORBÉLY¹, ÁRPÁD PÉTERFFY², JÓZSEF KÓNYA¹, PIROSKA OROSI⁴, VIKTOR DOMBRÁDI³, *JUDIT SZABÓ¹**MOLECULAR ANALYSIS OF VANCOMYCIN RESISTANT *ENTEROCOCCUS FAECALIS* STRAIN ISOLATED IN DEBRECEN**¹Department of Medical Microbiology; ²Department of Cardiac Surgery; ³Department of Medical Chemistry; ⁴Clinical Hygiene Ward, Medical and Health Science Center, University of Debrecen, Hungary**9.50-10.05****BOP-16**

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

OPTIMALIZATION OF PULSED-FIELD GEL ELECTROPHORESIS FOR ANTIBIOTIC RESISTANT STAPHYLOCOCCI,

ENTEROCOCCI, AS WELL AS *LISTERIA MONOCYTOGENES* AND *STREPTOCOCCUS PNEUMONIAE*

Institute of Medical Microbiology, Semmelweis University, Budapest, Hungary

10.05-10.20

BOP-17

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

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

¹Institute of Medical Microbiology, Semmelweis University, Budapest, Hungary;

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

10.20-10.35

BOP-18

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

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

¹Institute of Medical Microbiology, Semmelweis University, Budapest, Hungary;

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

10.35-10.50

BOP-19

*ANDRÁS FÜLÖP¹, GÁBOR RÁKHELYI^{1,2}, KORNÉL L. KOVÁCS^{1,2}

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

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

8.30-11.45 Environmental Microbiology Session

Chairpersons: Milton S. da Costa and Marcell Nikolausz

8.30-9.00

EOP-9

*HERMANN J. HEIPIEPER¹, GWENAEL IMFELD², NADJA KABELITZ¹, HOWARD JUNCA³, MATHIAS KÄSTNER¹

MONITORING OF SOIL BIOREMEDIATION PROCESSES USING LIPIDS AS BIOMARKERS

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

9.00-9.30

EOP-10

*HAUKE HARMS, SHOKO FURUNO, LUKAS Y. WICK

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

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

9.30-9.50

EOP-11

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

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

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

9.50-10.05

EOP-12

*ZSÓFIA BARNA, MIHÁLY KÁDÁR, MÁRTA VARGHA

FINGERPRINTING LEGIONELLAE – CHALLENGE AND ALTERNATIVES

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

10.05-10.20

EOP-13

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

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

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

10.20-10.40 **Coffee break**

Chairpersons: Herman Heipieper and Erika Tóth

10.40-11.00

EOP-14

*JAN FROUZ¹, VÁCLAV KRÍŠTÛFEK¹, DANA ELHOTTOVÁ¹, ERIKA M. TÓTH², ANDREA K. BORSODI², ANNA RUSZNYÁK², EVA UHLÍROVÁ³, ALICA CHRONÁKOVÁ^{1,3}, PETR BALDRIAN⁴, KÁROLY MÁRIALIGETI²

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

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

11.00-11.15

EOP-15

*ANDRÁS TÁNCSICS¹, ERZSÉBET BAKA¹, SÁRA RÉVÉSZ¹, ISTVÁN SZABÓ², SÁNDOR SZOBOSZLAY², KÁROLY MÁRIALIGETI¹

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

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

11.15-11.30

EOP-16

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

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

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

11.30-11.45

EOP-17

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

MOLECULAR ANALYSIS OF THE BACTERIAL COMMUNITY IN AN INDUSTRIAL WASTEWATER SYSTEM

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

9.00-10.30 Mycology Poster Session

MPP-1

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

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

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

MPP-2

*IDA MIKLÓS^{1,2}, ZSOLT SZILÁGYI¹, STEPHEN WATT², ERIKA ZILAHY¹, GYULA BATTÁ¹, ZSUZSA ANTUNOVICS¹, KLÁRA ENCZI¹, RÉKA NAGY¹, ERZSÉBET SZÁSZI¹, JÜRG BÄHLER², MATTIAS SIPCZKI¹

TRANSCRIPTIONAL REGULATION IN *SCHIZOSACCHAROMYCES POMBE* CELLS

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

MPP-3

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

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

Dept. of Microbiology, Faculty of Sciences, University of Szeged, Hungary

MPP-4

*MÓNIKA KOVÁCS¹, IGOR STUPAREVIČ², VLADIMIR MRŠA², ANNA MARÁZ¹

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

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

MPP-5

*LINDA SÁRGA, ZOLTÁN GAZDAG, MIKLÓS PESTI
OXIDATIVE STRESS STUDY OF *SACCHAROMYCES CEREVISIAE* MUTANTS CARRYING GENES DELETED IN SPHINGOLIPID AND ERGOSTEROL BIOSYNTHESIS

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

MPP-6

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

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

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

MPP-7

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

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

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

MPP-8

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

ASPERGILLUS TAMARII KERATITIS

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

MPP-9

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

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

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

MPP-10

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

IMPROVED DIAGNOSTIC METHOD IN FUNGAL SEPSIS BY REAL-TIME PCR

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

MPP-11

*LÁSZLÓ IRINYI, GYÖRGY J. KÖVICS, ERZSÉBET SÁNDOR

A PHYLOGENETIC STUDY ON DIFFERENT *PHOMA* SPECIES

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

MPP-12

*LÁSZLÓ NAGY, CSABA VÁGVÖLGYI, TAMÁS PAPP
EVOLUTIONARY INSTABILITY OF FRUITING BODY TYPES AMONG COPRINOID HOMOBASIDIOMYCETES

Department of Microbiology, University of Szeged, Hungary

MPP-13

*ZSUZSANNA KONCZI¹, KATALIN HUSZTI¹, ZOLTÁN NAÁR¹, ANDRÁS KISS¹, ÁRPÁD SZÉCSI²

PCR-BASED DETECTION OF HUNGARIAN *FUSARIUM GRAMINEARUM* ISOLATES

¹Laboratory of Molecular Biology, Eszterházy Károly College, Eger, Hungary;

²Plant Protection Institute, Hungarian Academy of Science, Budapest, Hungary

MPP-14

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

FUNGAL DIVERSITY OF HUNGARIAN SANDY REGIONS

Department of Microbiology, University of Szeged, Hungary

MPP-15

*MARYAM SADEGHI¹, BEHROOZ SH. BEHBOODI²
AVENOINDOLIN: A DEFENSIVE PROTEIN IN OAT GRAINS INHIBIT IN-VITRO GROWTH OF *RHIZOCTONIA SOLANI*

¹Department of Plant Pathology, Azad University, Science & Research Campus,

Poonak, Tehran, Iran; ²Department of Cell and Molecular Biology, University

College of Biology, University of Tehran, Iran

MPP-16

*IVAN KOSALEC¹, STJEPAN PEPELJNJAK¹, SUZANA HADINA², LJILJANA PINTER², DANKO HAJSIG³

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

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

MPP-17

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

SENSITIVITY OF DIFFERENT ZYGOMYCETES TO THE SESTERTERPENE, OPHIOBOLIN-A

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

MPP-18

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

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

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

MPP-19

*LEJLA DURAKOVIĆ¹, SULEJMAN REDZEPOVIĆ², SANDI
ORLIĆ², ANDREA SKELIN², FRANE DELAŠ¹, SENADIN
DURAKOVIĆ¹

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

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

MPP-20

*SENADIN DURAKOVIĆ¹, SANDI ORLIĆ², SULEJMAN
REDZEPOVIĆ², ANDREA SKELIN², FRANE DELAŠ¹, LEJLA
DURAKOVIĆ¹

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

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

MPP-21

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

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

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

MPP-22

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

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

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

MPP-23

*BEHROOZ SH. BEHBOODI, SEYEDEH KHORSHID HEYDARI

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

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

MPP-24

*ILDIKÓ KÁKONYI, KÁROLY VIDA, ANNA MARÁZ
INFLUENCE OF FERMENTATION CONDITIONS ON VIABILITY AND ETHANOL PRODUCTION OF *KLUYVEROMYCES LACTIS* AND *K. MARXIANUS*

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

MPP-25

*GÁBOR PÉTER, JUDIT TORNAI-LEHOCZKI, DÉNES DLAUCHY

OGATAEA THERMOPHILA SP. NOV., A NEW METHYLO-TROPHIC YEAST SPECIES

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

MPP-26

ÁKOS SVEICZER¹, *ANNA MÓNUS¹, PÉTER BUCHWALD²

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

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

MPP-27

JÓZSEF SZARVAS¹, MÁRIA VASTAGNÉ CSORBA¹, *ZOLTÁN NAÁR²

EFFICIENCY COMPARISON OF FUNGICIDES AGAINST FUNGAL PATHOGENS OF CULTIVATED MUSHROOM

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

10.30-12.00 Agricultural and Food Microbiology Poster Session

FPP-1

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

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

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

FPP-2

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

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

¹Institute of Food Processing, Quality Control and Microbiology; ²Department of Economic Analysis and Statistical Sciences; ³Department of Animal

Husbandry, Breeding and Nutrition, Centre of Agricultural Sciences, University of Debrecen, Hungary

FPP-3

*MAJA ŠEGVIĆ KLARIĆ, IVAN KOSALEC, STJEPAN PEPELJNJAK

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

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

FPP-4

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

DEVELOPMENT OF A SYNBiotic AND ITS IMPLICATION IN FOOD PROCESSING

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

FPP-5

*ILDIKÓ BATA-VIDÁCS¹, RENÁTA SZÖRÉNYI², JUDIT BECZNER¹

THE EFFECT OF TECHNOLOGICAL STRESS ON BACTERIAL SPORES AND VEGETATIVE CELLS

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

FPP-6

RÉKA ÁGOSTON, *CSILLA MOHÁCSI-FARKAS
MODELLING THE EFFECT OF HEAT STRESS ON SURVIVAL OF *LISTERIA MONOCYTOGENES* 4AB IN TRYPTIC SOY BROTH AND MILK

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

FPP-7

*ÁGNES BELÁK¹, FRIEDA JORGENSEN², JANET E.L. CORRY³

COMPARISON OF MULTIPLICATION ABILITY OF POULTRY-RELATED CAMPYLOBACTERS DURING ENRICHMENT

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

FPP-8

*BOGLÁRKA LÉNÁRT, ZSUZSANNA FEJES, ZOLTÁN NAÁR

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

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ZSUZSANNA FEJES, ADRIENN BÁRDOS, *ZOLTÁN NAÁR

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

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

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ANTIBIOTIC RESISTANT ENTERIC BACTERIA IN BROILER HOUSES

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SUCCESSION OF FUNGAL COMMUNITY IN WHEAT STRAW COMPOST

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INVESTIGATION OF THE BACTERIAL AND FUNGAL COMMUNITY CHANGES DURING OYSTER MUSHROOM

(PLEUROTUS SP.) SUBSTRATE PRODUCTION

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

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VIKTÓRIA BÓDAI

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

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

DECOMPOSITION RATES OF BT CORN AND NON-BT CORN RESIDUES IN THE SOIL

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ADRIENN BÁRDOS, ZSUZSANNA FEJES, *ZOLTÁN NAÁR

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

IN-VITRO PROBIOTIC PROPERTIES OF NON-STARTER LACTIC ACID BACTERIUM *LACTOBACILLUS CASEI* SUBSP. *CASEI*

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

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PRODUCTION AND PURIFICATION OF EXTRACELLULAR PHY-TASE FROM *ASPERGILLUS NIGER*

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