PROGRAMME
of the

17th International Congress
of the

Hungarian Society for Microbiology

Organized
by the

Hungarian Society for Microbiology,
the Faculty of Science, Eötvös Loránd University,
the Hungarian Society for Immunology,
the Foundation of the Hungarian Society for Microbiology

Eötvös Conference in Science

Eötvös Loránd University
Budapest, Hungary
July 8-10, 2015

Programme at a glance

Tuesday, July 7		16.00-19.00	Registration
Wednesday, July 8		8.00-17.00	Registration
	Conference Hall		
		10.30-11.00	Opening Ceremony
		11.00-12.30	Manninger Memorial Session
		12.30-14.30	Lunch break
	Auditorium No. 1		
		14.30-18.00	Frederick William Twort Plenary Session – Extrachromosomal Genetic Elements in Microorganisms
		16.00-16.30	Coffee break
Thursday, July 9		8.00-13.00	Registration
	Auditorium No. 1		
		8.30-10.30	Ignác Fülöp Semmelweis Semi-plenary Session
		10.30-11.00	Coffee break
		11.00-12.30	Oswald Avery Virology Session
		12.30-14.30	Lunch break
		14.30-15.00	Coffee break
		15.00-16.30	Károly Rauss Bacteriology Session
	Auditorium No. 2		
		8.30-10.30	Friedrich Löffler Semi-plenary Session
		10.30-11.00	Coffee break
		11.00-12.20	Carl Friedrich Wilhelm Wehmer Industrial Microbiology Session
		12.20-14.30	Lunch break
		14.30-15.00	Coffee break
		15.00-16.45	János Szolnoki Environmental Microbiology Session
	Classroom No. 1		
		15.00-16.20	Jacques Lucien Monod Industrial Microbiology Session
	Classroom No. 2		
		15.00-16.45	Boris Ephrussi Mycology Session
	Poster Corridor		
		11.00-13.00	Bacteriology Poster Session
		11.00-13.00	Mycology Poster Session

		11.00-13.00	Agricultural Microbiology Poster Session
		13.00-14.30	Environmental Microbiology Poster Session
		13.00-14.30	Food Microbiology Poster Session
		13.30-14.30	Immunology and Parasitology Poster Session
		13.30-14.30	Virology Poster Session
		19.00-	Congress Banquet – Hemingway Restaurant
Friday, July 10		8.00-10.00	Registration
	Auditorium No. 1		
		8.30-10.30	Paul Ehrlich Plenary Session
		10.30-11.00	Coffee break
		11.00-12.15	Christian Gottfried Ehrenberg Environmental Microbiology Session
		12.15-14.00	Lunch break
		14.00-	Closing Ceremony Best Poster Award
	Lunch and Exhibition Corridor		
		14.30	Farewell drink
	Auditorium No. 2		
		11.00-12.30	Franz Meyen Mycology Session
	Classroom No. 1		
		11.00-12.30	György Ivánovics Bacteriology Session
	Classroom No. 2		
		11.00-12.30	Thomas Huckle Weller Immunology and Parasitology Session
		12.30-14.00	Lunch break
	Biological and Geological Collection		
		15.00	Visit to the Biological and Geological Collection of the Faculty of Science, Eötvös Loránd University

Detailed Programme

Wednesday, July 8

Conference Hall

10.30 **Opening Ceremony**

Welcome Addresses of

Károly Márialigeti
President of the Hungarian Society for Microbiology

Péter Surján
Dean, Faculty of Science, Eötvös Loránd University

11.00-12.30 **Manninger Memorial Session**

Chairpersons: Judit Deák, Károly Márialigeti, János Minárovits, Miklós Rusvai and Orsolya Dobay

Manninger Lecture

11.00-11.30
ISTVÁN PÓCSI

STRESS RESPONSES IN THE ASPERGILLI – OMICS-BASED APPROACHES

Department of Biotechnology and Microbiology, Faculty of Science and Technology, University of Debrecen, Debrecen, Hungary

Inaugural Lectures by Honorary Members of the Hungarian Society for Microbiology

11.30-12.00
MIKLÓS MÜLLER

THE HISTORY OF AN ENIGMATIC CELL ORGANELLE, THE HYDROGENOSOME

Muller Laboratory, The Rockefeller University, New York, USA

12.00-12.30
ELISABETH PUCHHAMMER-STÖCKL

CHALLENGES IN TRANSPLANTATION VIROLOGY

Department of Virology, Medical University of Vienna, Vienna, Austria

12.30-14.30 Lunch break

Wednesday, July 8

Auditorium No.1

14.30-18.00 Frederick William Twort Plenary Session – Extrachromosomal Elements in Microbes

Twort, Frederick William (1877 – 1950), English bacteriologist. He studied medicine, and was a professor of bacteriology at the University of London. He investigated the reliability of sugar utilization tests, and described the loss, and acquirement of "fermentation power". He developed a medium to culture leprosy bacillus. He tried to grow viruses in artificial media, because that time smallpox vaccines had to be made in the skin of calves and was almost always contaminated with the bacterial genus *Staphylococcus*. These studies led to the discovery of an agent that could pass through porcelain filters and required bacteria for growth.
Twort published these results in *The Lancet* in 1915 and called the contagion a bacteriolytic agent. Two years latter this bacteriolytic agent was called by Felix D'Hérelle bacteriophage. In World War I. he worked in the diagnostic routine and could no longer pursue his research. Following the war, Twort wanted to use these bacteriolytic agents to cure bacterial diseases in humans and animals. This proved to be unsuccessful.

Chairpersons: Hans Helmut Niller and Erzsébet Nagy

14.30-15.00
TPP-1

♦HANS HELMUT NILLER[1], FERENC BÁNÁTI[2], KÁLMÁN SZENTHE[2], DÁNIEL SALAMON[3] AND JÁNOS MINÁROVITS[4]

ESTABLISHING EPSTEIN-BARR VIRUS LATENCY IN MEMORY B CELLS - IMPLICATIONS FOR TUMORIGENESIS

[1]Medical Microbiology and Hygiene, University of Regensburg, Regensburg, Germany; [2]2RT-Europe Nonprofit Research Ltd., Mosonmagyaróvár, Hungary; [3]Tumor and Cell Biology, Department of Microbiology, Karolinska Institutet, Stockholm, Sweden; [4]Department of Oral Biology and Experimental Dental Research, Faculty of Dentistry, University of Szeged, Szeged, Hungary

15.00-15.30
TPP-2

♦FERENC OLASZ[1], PÉTER PÁL PAPP[1], MÓNIKA SZABÓ[1], TIBOR FARKAS[1], GÁBOR MURÁNYI[1], ANNA HEGYI[1], AMA SZMOLKA[2], ERIK SZAKÁLLAS[1], BÉLA NAGY[2] AND JÁNOS KISS[1]

MOBILE GENOMIC ISLANDS: THE KEY ROLE OF EXTRACHROMOSOMAL AND INTEGRATIVE MOBILE ELEMENTS IN HORIZONTAL GENE TRANSFER

[1]Department of Genetics, Agricultural Biotechnology Center, NARIC, Gödöllő; [2]Institute for Veterinary Medical Research, Centre for Agricultural Research, Hungarian Academy of Sciences, Budapest, Hungary

15.30-16.00

TPP-3

MAITE MUNIESA

HORIZONTAL GENE TRANSFER BY STX PHAGES AND THE EMERGENCE OF PATHOGENIC *ESCHERICHIA COLI*: THE WHOLE PICTURE

Department of Microbiology, Faculty of Biology, University of Barcelona, Barcelona, Spain

16.00-16.30 Coffee break

16.30-17.00
TPP-4

MAJA RUPNIK

GENOME PLASTICITY AND VIRULENCE IN *CLOSTRIDIUM DIFFICILE*

National Laboratory for Health, Environment and Food, NLZOH, Centre for Medical Microbiology, Maribor, Slovenia

17.00-17.30
TPP-5

JUDIT E. SZABÓ[1,2], KINGA NYÍRI[1, 2], RITA HÍRMONDÓ[2], VERONIKA PAPP-KÁDÁR[1, 2], ORSOLYA DOBAY[3], DÓRA SZABÓ[3], JUDIT TÓTH[2] AND ♦BEÁTA G. VÉRTESSY[1, 2]

A NOVEL MECHANISM PROVIDES GENOME QUALITY CONTROL FOR PATHOGENICITY ISLAND TRANSFER IN *STAPHYLOCOCCUS*

[1]Department of Applied Biotechnology, Faculty of Chemical Technology and Biotechnology, Budapest University of Technology and Economics; [2]Institute of Enzymology, Research Centre for Natural Sciences, Hungarian Academy of Sciences; [3]Institute of Medical Microbiology, Faculty of Medicine, Semmelweis University, Budapest, Hungary

17.30-18.00
TPP-6

MANFRED SCHMITT

KILLER TOXINS AND MYCOVIRUSES IN YEAST: WHAT HAVE WE LEARNED FROM 50 YEARS OF RESEARCH ON KILLER YEASTS?

Department of Biosciences, Molecular and Cell Biology, Saarland University, Saarbrücken, Germany

Thursday, July 9

Auditorium No.1

8.30-10.30 Ignác Fülöp Semmelweis Semi-plenary Session

Semmelweis, Ignác Fülöp (1818 – 1865), Hungarian physician, early pioneer of antiseptic procedures, the "savior of mothers". Semmelweis discovered that the incidence of puerperal fever (also known as "childbed fever") could be drastically cut by the use of hand disinfection in obstetrical clinics. Puerperal fever was common in mid-19th-century hospitals and often fatal, with mortality at 10%–35%. Semmelweis proposed the practice of washing hands with chlorinated lime solutions in 1847 while working in Vienna General Hospital's First Obstetrical Clinic. He published a book of his findings in *Etiology, Concept and Prophylaxis of Childbed Fever*. Despite various publications of results where hand washing reduced mortality to below 1%, Semmelweis's observations conflicted with the established scientific and medical opinions of the time and his ideas were rejected by the medical community. Some doctors were offended at the suggestion that they should wash their hands and Semmelweis could offer no acceptable scientific explanation for his findings. Semmelweis's practice earned widespread acceptance only years after his death, when Louis Pasteur confirmed the germ theory.

Chairpersons: Katalin Burián and József Sóki

8.30-9.00
SPP-1
JÓZSEF SÓKI

A TWO-DECADE EXPERIENCE IN EXAMINATION HOW ANTIBIOTIC RESISTANCE GENES ARE INVOLVED IN ANTIBIOTIC RESISTANCE DEVELOPMENT OF *BACTEROIDES* SPP.

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

9.00-9.30
SPP-2

♦KATALIN BURIÁN[1], TÍMEA MOSOLYGÓ[1], ÉVA BOROS[2], ANITA BOGDANOV[1], MARIANNA NAGYMIHÁLY[2], BALÁZS HORVÁTH[2], VALÉRIA ENDRÉSZ[1], ILDIKÓ LANTOS[1], ÉVA KONDOROSI[2], DEZSŐ VIRÓK[1] AND ISTVÁN NAGY[2]

IMPACT OF *CHLAMYDIA TRACHOMATIS* INFECTION AND INTERFERON-GAMMA TREATMENT ON THE HUMAN POLYMORPHONUCLEAR LEUKOCYTE TRANSCRIPTOME

[1]Department of Medical Microbiology and Immunobiology, Faculty of Medicine, University of Szeged; [2]Institute of Biochemistry, Biological Research Centre, Hungarian Academy of Sciences, Szeged, Hungary

9.30-10.00
SPP-3

♦LÁSZLÓ KREDICS[1], MÓNIKA HOMA[1], NIKOLETT BARANYI[1], COIMBATORE SUBRAMANIAN SHOBANA[2], YENDREMBAN RANDHIR BABU SINGH[3], RAJARAMAN REVATHI[4], ANITA RAGHAVAN[4], SÁNDOR KOCSUBÉ[1], LÁSZLÓ GALGÓCZY[1], BALÁZS LEITGEB [5], VENKATAPATHY NARENDRAN[4], TAMÁS PAPP[1], JÁNOS VARGA[1], CSABA VÁGVÖLGYI[1] AND PALANISAMY MANIKANDAN[6]

WIDENING SPECTRUM OF FILAMENTOUS FUNGI CAUSING MYCOTIC KERATITIS

[1]Department of Microbiology, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary; [2]Department of Microbiology, PSG College of Arts and Science; [3]Department of Microbiology, Dr. G.R. Damodaran College of Science; [4]Department of Cornea and Refractive Services, Aravind Eye Hospital and Post-Graduate Institute of Ophthalmology, Coimbatore, India; [5]Institute of Biophysics, Biological Research Centre, Hungarian Academy of Sciences, Szeged, Hungary; [6]Department of Microbiology, Aravind Eye Hospital and Postgraduate Institute of Ophthalmology, Coimbatore, India

SPP-4
10.00-10.30

♦BERNADETT PÁLYI[1], THOMAS STRECKER[2], HEINZ ELLERBROK[3], SYLVIE JONCKHEERE[4], HILDE DE CLERCK[4] AND BORE JOSEPH AKOI[5]

CAPILLARY BLOOD OR VENOUS BLOOD? AN ALTERNATIVE SPECIMEN COLLECTION FOR THE RAPID DIAGNOSIS OF EBOLA VIRUS INFECTION DURING AN OUTBREAK EMERGENCY

[1]Hungarian National Biosafety Laboratory, National Center for Epidemiology, Budapest, Hungary; [2]Institute of Virology, Philipps University Marburg, Marburg, Germany; [3]ZBS-1, Robert Koch Institute, Berlin, Germany; [4]Médecins sans Frontières, Brussel, Belgium; [5]Institut National de Santé Publique, Conakry, Guinea

10.30-11.00 Coffee break

11.00-12.30 Oswald Avery Virology Session

Avery, Oswald Theodore Jr. (1877 – 1955), a Canadian-born American physician and medical researcher. The major part of his career was spent at the Rockefeller University Hospital in New York City. Avery is best known for the experiment (published in 1944 with his co-workers Colin MacLeod and Maclyn McCarty) that isolated DNA as the material of which genes and chromosomes are made. Continuing the research done by Frederick Griffith in 1927, Avery worked with MacLeod and McCarty on the mystery of inheritance. Techniques were available to remove various organic compounds from bacteria, and if the remaining organic compounds were still able to cause R strain bacteria to transform then the substances removed could not be the carrier of genes. S-strain bacteria first had the large cellular structures removed. Then they were treated with protease enzymes, which removed the proteins from the cells before the remainder was placed with R strain bacteria. The R strain bacteria transformed, meaning that proteins did not carry the genes causing the disease. Then the remnants of the R strain bacteria were treated with a deoxyribonuclease enzyme which removed the DNA. After this treatment, the R strain bacteria no longer transformed. This indicated that DNA was the carrier of genes in cells.

Chairpersons: Károly Nagy and József Ongrádi

11.00-11.15
VOP-1

SZILVIA KANIZSAI[1], JÓZSEF ONGRÁDI[1], JÁNOS ARADI[2] AND ♦KÁROLY NAGY[1]

MOLECULAR EVENTS DETERMINING PRIMARY HIV INFECTIONS: NEW APPROACH FOR INHIBITION OF HIV ENTRY

[1]Institute of Medical Microbiology, faculty of Medicine, Semmelweis University, Budapest; [2]Department of Biochemistry, Medical and Health Science Center, University of Debrecen, Debrecen, Hungary

11.15-11.30
VOP-2

♦JÚLIA SARKADI[1], MÁTÉ JANKOVICS[2], ÉVA PÁLLINGER[3], ZOLTÁN KIS[1], ÉVA GÖNCZÖL[1] AND ILDIKÓ VISONTAI[2]

HIGH HUMORAL AND POOR CELL-MEDIATED IMMUNE RESPONSES IN MICE IMMUNIZED WITH A SEASONAL TRIVALENT INACTIVATED INFLUENZA VACCINE, FLUVAL AB (2013/14)

[1]Division of Virology; [2]Quality Assurance, National Center for Epidemiology; [3]Department of Genetics, Cell- and Immunobiology, Faculty of Medicine, Semmelweis University, Budapest, Hungary

11.30-11.45
VOP-3

♦ANNA NAGY[1], ENIKŐ BÁN[1], ORSOLYA NAGY[1], EMŐKE FERENCZI[1], ÁGNES FARKAS[1], KRISZTIÁN BÁNYAI[2], SZILVIA FARKAS[2] AND MÁRIA TAKÁCS[1]

DETECTION OF WEST NILE VIRUS RNA FROM HUMAN URINE AND SERUM SAMPLES DURING THE 2014 SEASONAL PERIOD

[1]Division of Virology, National Center for Epidemiology; [2]Institute for Veterinary Medical Research, Centre for Agricultural Research, Hungarian Academy of Sciences, Budapest, Hungary

11.45-12.00
VOP-4

♦ANDREA HETTMANN[1], ANETT DEMCSÁK[2], GÁBOR DECSI[3], ÁDÁM BACH[4], DÓRA P ÁLINKÓ[4], LÁSZLÓ ROVÓ[4], KATALIN NAGY[3], MÁRIA TAKÁCS AND JÁNOS MINÁROVITS[2]

THE PREVALENCE OF HUMAN PAPILLOMA VIRUS AND TORQUE TENO VIRUS IN HEAD AND NECK CANCER PATIENTS IN SOUTH-EAST HUNGARY

[1]Department of Virology, National Center for Epidemiology, Budapest; [2]Department of Oral Biology and Experimental Dental Research; [3]Department of Oral Surgery, Faculty of Dentistry; [4]Department of Oto-Rhyno- Laryngology and Head-Neck Surgery, Faculty of Medicine, University of Szeged, Szeged; [5]Division of Virology, National Center for Epidemiology, Budapest, Hungary

12.00-12.15
VOP-5

♦IVA PODGORSKI, LAURA PANTÓ, MÁTÉ JÁNOSKA, ORSOLYA MÁRKÓ AND BALÁZS HARRACH

TAXONOMY PROPOSAL FOR OLD WORLD MONKEY ADENOVIRUSES − EXISTENCE OF SEVERAL NON-HUMAN, NON-APE PRIMATE ADENOVIRUS LINEAGES

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

12.15-12.30
VOP-6
♦JÓZSEF ONGRÁDI[1], BALÁZS STERCZ[1], JÓZSEF PÁNOVICS[2] AND KÁROLY NAGY[1]

XMRV – A NEW RETROVIRUS

[1]Institute of Medical Microbiology; [2]Department of Urology, Faculty of Medicine, Semmelweis University, Budapest, Hungary

12.30-14.30 Lunch break

14.30-15.00 Coffee break

15.00-16.30 Károly Rauss Bacteriology Session

Rauss, Károly (1905-1976), medical doctor, microbiologist founder professor of the Microbiology Institute of University of Pécs, member of the German National Academy of Sciences Leopoldina, founder of the Hungarian Society for Microbiology. His main scientific activity escalated for all aspects of enteric bacteria including their taxonomy, antigen structures and virulence properties. Prof Rauss and his colleagues developed and successfully applied several vaccines.

Chairpersons: Levente Emődy and Miklós Füzi

15.00-15.15
BOP-1
MIKLÓS FÜZI

HAS THE USE OF FLUOROQUINOLONES CONTRIBUTED TO THE WIDESPREAD DISSEMINATION OF THE MAJOR INTERNATIONAL CLONES OF METHICILLIN-RESISTANT *STAPHYLOCOCCUS AUREUS* AND EXTENDED-SPECTRUM B-LACTAMASE-PRODUCING *KLEBSIELLA PNEUMONIAE* IN THE HEALTHCARE SETTING?

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

15.15-15.30
BOP-2
♦ADRIENN TÓTHPÁL[1], SZILVIA KARDOS[1], KRISZTINA LAUB[1], TAMÁS TIRCZKA[2], MARK VAN DER LINDEN[3] AND ORSOLYA DOBAY[1]

DISAPPEARANCE OF PCV13 SEROTYPES (INCLUDING 19A) AMONG CARRIED PNEUMOCOCCI IN CHILDREN AGED 1-3 YEARS, WITHIN THE FIRST FEW YEARS OF VACCINATION

[1]Department of Medical Microbiology, Faculty of Medicine, Semmelweis University, Budapest; [2]Pneumococcal Reference Laboratory, National Center for Epidemiology, Budapest, Hungary; [3]German National Reference Center for Streptococci, Department of Medical Microbiology, University Hospital Aachen, Aachen, Germany

15.30-15.45
BOP-3
♦ANITA VARGA-BOGDANOV[1], ILDIKÓ LANTOS[2], ILDIKÓ ESZIK[2], PÉTER BALÁZS[3], JUDIT DEÁK[1], KATALIN BURIÁN[2], VALÉRIA ENDRÉSZ[2] AND DEZSŐ VIRÓK[2]

DETECTION OF *CHLAMYDIA TRACHOMATIS* ATTACHMENT TO EPITHELIAL CELLS BY THE CHLAMYCOUNT SOFTWARE USING IMAGES PRODUCED BY A DNA-CHIP SCANNER

[1]Institute of Clinical Microbiology; [2]Department of Medical Microbiology and Immunology, Faculty of Medicine; [3]Department of Image Processing and Computer Graphics, Institute of Informatics, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary

15.45-16.00
BOP-4

♦JULIANNA MÓZES, EBRAHIMI FATEMEH, RENÁTÓ KOVÁCS, LÁSZLÓ MAJOROS AND GÁBOR KARDOS

CORRELATION BETWEEN CARRIAGE OF VIRULENCE-ASSOCIATED GENES AND LETHALITY IN A NEUTROPENIC MOUSE MODEL AMONG DIFFERENT *PSEUDOMONAS AERUGINOSA* CLONES

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

16.00-16.15
BOP-5

♦DOMONKOS SVÁB[1], BALÁZS BÁLINT[2], GERGELY MARÓTI[3] AND ISTVÁN TÓTH[1]

PROPHAGES OF AN *ESCHERICHIA COLI* O157:H43 STRAIN

[1]Enteric Bacteriology and Alimentary Zoonoses, Institute for Veterinary Medical Research, Centre for Agricultural Research, Hungarian Academy of Sciences, Budapest; [2]Seqomics Biotechnology Ltd., Mórahalom; [3]Microbial Genomics, Institute of Biochemistry, Biological Research Centre, Hungarian Academy of Sciences, Szeged, Hungary

16.15-16.30
BOP-6

♦ISTVÁN TÓTH[1], DOMONKOS SVÁB[1], BALÁZS BÁLINT[2] AND GERGELY MARÓTI[3]

CHARACTERIZATION OF A NOVEL SHIGA TOXIN CONVERTING BACTERIOPHAGE FROM *SHIGELLA SONNEI*

[1]Institute for Veterinary Medical Research, Centre for Agricultural Research, Hungarian Academy of Sciences, Budapest; [2]Seqomics Biotechnology Ltd., Mórahalom; [3]Institute of Biochemistry, Biological Research Centre, Hungarian Academy of Sciences, Szeged, Hungary

19.00 Congress banquet – Hemingway Restaurant

Thursday, July 9

Auditorium No.2

8.30-10.30 Friedrich Löffler Semi-plenary Session

Löffler, Johannes Friedrich August (1852-1915), studied medicine at Würzburg University and at the Friedrich Wilhelm University. He obtained his medical degree at Berlin in 1874. After a period of service as an army doctor, became an assistant in the Imperial Health Office, Berlin, where he was an associate of R. Koch. Then he was professor of hygiene at the University of Greifswald, where he served as rector and after that he became director of the R. Koch Institute for Infectious Diseases in Berlin. In 1884, together with E. Klebs they discovered the organism that causes diphtheria, *Corynebacterium diphtheriae,* commonly known as the Klebs–Löffler bacillus. Concurrently with É. Roux and A. Yersin, he pointed out the existence of a diphtheria toxin. Löffler also discovered the cause of swine erysipelas and swine plague and, with W. Schütz, identified the causative organism of glanders, *Pfeifferella* (*Malleomyces*) *mallei*. With P. Frosch he found that foot-and-mouth disease is caused by a virus - the first time the cause of an animal disease was attributed to a virus - and developed a serum against it.

Chairpersons: Tillmann Lueders, and Tamás Bakonyi

8.30-9.00
LSP-1
TILLMANN LUEDERS

UPDATING THE CONTROLS OF ANAEROBIC HYDROCARBON DEGRADATION IN GROUNDWATER: A MICROBIAL COMMUNITY PERSPECTIVE

Institute of Groundwater Ecology, Helmholtz Zentrum München, Neuherberg, Germany

9.00-9.30
LSP-2
♦ANDRÁS TÁNCSICS[1], MILÁN FARKAS[2], TIBOR BENEDEK[1], SÁNDOR SZOBOSZLAY[2] AND BALÁZS KRISZT[2]

DIFFERENTIAL ENRICHMENT OF FE(III)-REDUCING BACTERIA FROM GROUNDWATER OF THE SIKLÓS BTEX-CONTAMINATED SITE, HUNGARY

[1]Regional University Center of Excellence in Environmental Industry; [2]Department of Environmental Safety and Ecotoxicology, Faculty of Agriculture and Environmental Sciences, Szent István University, Gödöllő, Hungary

9.30-10.00
LSP-3
RONALD P. DE VRIES

NOVEL DEVELOPMENTS IN PLANT BIOMASS DEGRADATION BY FUNGI

Fungal Physiology, CBS-KNAW Fungal Biodiversity Centre and Fungal Molecular Physiology, Utrecht University, Utrecht, The Netherlands

10.00-10.30
LSP-4
♦TAMÁS BAKONYI[1, 2], PETRA FORGÁCH[2], SZILVIA MARTON[3], REBEKA LUCIJANA BERČIČ[2], LILLA VIDA[3], MIKLÓS RUSVAI[3] AND KRISZTIÁN BÁNYAI[2]

IDENTIFICATION OF A NOVEL DENSOVIRUS IN THE DARKLING BEETLE *ZOPHOBAS MORIO*

[1]Department of Microbiology and Infectious Diseases, Faculty of Veterinary Science, Szent István University; [2]Institute for Veterinary Research, Centre for Agricultural Research, Hungarian Academy of Sciences; [3]Department of Pathology, Faculty of Veterinary Science, Szent István University, Budapest, Hungary

10.30-11.00 Coffee break

11.00-12.20 Carl Friedrich Wilhelm Wehmer Industrial Microbiology Session

Wehmer, Carl Friedrich Wilhelm (1858-1935), majored in chemistry and botany at the University of Göttingen and was admitted as a lecturer at the Technical College of Hanover. He started to study fungi in order to use them as a model system for the higher plants, but remained a mycologist throughout his life. The first fungal metabolic product he discovered was the oxalic acid, which was later followed by the discovery of citric acid. Two of his fungal isolates were able to produce relatively higher amounts of citric acid. He denominated them Citromyces, e.g. fungi that are able to overproduce citric acid (in fact, those isolates actually belong to Penicillium). In collaboration with the industry he applied for patents, and in 1893, the first fermentative citric acid process was presented to the market. The project, however, never surpassed the pilot stage for two reasons. One, the fermentor hardware was too expensive for a cheap commodity such as citric acid. Moreover, Wehmer could not find the necessary fermentation conditions that would have provided his fungi a selective advantage over other (contaminating) organisms - particularly regarding the acidity of the medium - and thus growth conditions remained favourable for many fungi, yeasts and bacteria. Nonetheless, Wehmer is rightly considered the pioneer of the highest-volume fungal fermentation process of the world.

Chairpersons: Arthur Ram and Bernhard Seiboth

11.00-11.20
FBP-1

♦ERZSÉBET FEKETE, ANITA OROSZ, LÁSZLÓ KULCSÁR, MICHEL FLIPPHI AND LEVENTE KARAFFA

IDENTIFICATION AND EXPRESSION ANALYSIS OF A SECOND LACTOSE PERMEASE THAT COMPLETES THE UPTAKE OF THIS SUGAR IN *ASPERGILLUS NIDULANS*

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

11.20-11.40
FBP-2

♦ALEKSANDRINA PATYSHAKULIYEVA[1], POST HARM[2], MIAOMIAO ZHOU[1], EDITA JURAK[3], ALBERT J. R. HECK[2], KRISTIINA S. HILDÉN[4], MIRJAM A. KABEL[3], MIIA R. MÄKELÄ[4], MAARTEN A. F. ALTELAAR[2], RONALD P. DE VRIES[1]

UNRAVELING THE ABILITIES OF *AGARICUS BISPORUS* TO DEGRADE PLANT BIOMASS THROUGHOUT ITS LIFE CYCLE

[1]Fungal Physiology, CBS-KNAW Fungal Biodiversity Centre; [2]Biomolecular Mass Spectrometry and Proteomics, Bijvoet Centre for Biomolecular Research and Utrecht Institute for Pharmaceutical Sciences, Utrecht University, Utrecht; [3]Laboratory of Food Chemistry, Wageningen University, Wageningen, Netherlands; [4]Department of Food and Environmental Sciences, University of Helsinki, Helsinki, Finland

11.40-12.00
FBP-3

BERNHARD SEIBOTH

SYSTEMS BIOLOGY APPROACHES FOR *TRICHODERMA REESEI* STRAIN ENGINEERING

Institute of Chemical Engineering, Vienna University of Technology, Vienna, Austria

12.00-12.20
FBP-4

♦LEVENTE KARAFFA[1], RAFAEL DÍAZ[1], BENEDEK PAPP[1], ERZSÉBET FEKETE[1], ERZSÉBET SÁNDOR[2] AND CHRISTIAN P. KUBICEK[3]

A DEFICIENCY OF MANGANESE IONS IN THE PRESENCE OF HIGH SUGAR CONCENTRATIONS IS CRITICAL TO ACHIEVE HIGH ITACONIC ACID YIELDS BY *ASPERGILLUS TERREUS*

[1]Department of Biochemical Engineering, faculty of Science and Technology; [2]Institute of Food Science, Faculty of Agriculture, University of Debrecen, Debrecen, Hungary; [3]ACIB GmbH, Austrian Centre of Industrial Biotechnology, Graz, Austria

12.20-14.30 Lunch break

14.30-15.00 Coffee break

15.00-16.45 János Szolnoki Environmental Microbiology Session

Szolnoki, János (1920-1978), Hungarian microbiologist, he worked as an associate in the Institute for Biological Research in Tihany, in the Soil Science and Agricultural Chemistry Research Institute and then in the Geochemical Research Laboratory in Budapest. Initially, he carried out research mainly in the field of the soil microbiology, and later he was interested in geomicrobiological issues. Among others he conducted research on topics of microbial mobilization of metals and biometallurgy. His conclusions have facilitated the understanding of the process of formation of secondary ore deposits. He also examined the microbiota of crude oil and studied the possibility of microbiology in the hydrocarbon research.

Chairpersons: Tamás Böjti and Károly Márialigeti

15.00-15.15
EOP-1
BÉLA RALOVICH

THE PLACE OF OUR EARTH IN THE UNIVERSE AND TURNING-POINTS IN ITS LIFE (THOUGHTS INDUCED BY THE CLIMATE CHANGE)

Balatonberény, Hungary

15.15-15.30
EOP-2
♦ANNA SZALAY[1], FREDERICK VON NETZER[2] AND LUEDERS TILLMANN[1]

EFFECT OF ELECTRON ACCEPTOR AVAILABILITY ON ANAEROBIC TOLUENE DEGRADER COMMUNITIES IN CONTAMINATED AQUIFERS

[1]Institute for Groundwater Ecology, Helmholtz Zentrum München, Neuherberg, Germany; [2]Department of Civil and Environmental Engineering, University of Washington Seattle, WA, USA

15.30-15.45
EOP-3
♦TAMÁS BÖJTI[1, 2], ROLAND WIRTH[1], GERGELY LAKATOS[3], GERGELY MARÓTI[3], ZOLTÁN BAGI[1] AND KORNÉL L. KOVÁCS[1, 4, 5]

BIOGAS PRODUCTION FROM CHICKEN MANURE

[1]Department of Biotechnology; [2]Institute of Biochemistry, Faculty of Science and Technology, University of Szeged; [3]Institute of Biochemistry, Biological Research Center; [4]Institute of Biophysics, Biological Research Center, Hungarian Academy of Sciences, Szeged; [5]Department of Oral Biology and Experimental Dentistry, Faculty of Dentistry, University of Szeged, Szeged, Hungary

15.45-16.00
EOP-4
♦BALÁZS VAJNA[1], RENÁTA BÁNFI[1], ZSUZSANNA POHNER[1], SZABINA LUZICS[1], ATTILA SZABÓ[1], ADRIENN NAGY[2] AND KÁROLY MÁRIALIGETI[1]

BACTERIAL COMMUNITY STRUCTURE CHANGES DURING COLONIZATION AND FRUITING BODY PRODUCTION OF OYSTER MUSHROOM USING A COMPOSTED NATURAL SUBSTRATE

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

16.00-16.15
EOP-5

♦GÁBOR NYÍRŐ[1], ALEX MIRA[2], KÁROLY MÁRIALIGETI[3] AND FRANCISCO RODRIGUEZ-VALERA[4]

ACCUMULATING EVIDENCE FOR THE ECOPARALOGOUS WAY OF MICROBIAL ADAPTATION

[1]Molecular Medicine Research Group SU HAS, Office for Research Groups Attached to Universities and Other Institutions, Hungarian Academy of Sciences, Budapest, Hungary; [2]Genomics and Health, Centre for Public Health Research (CSISP), Valencia, Spain; [3]Department of Microbiology, Faculty of Science, Eötvös Loránd University, Budapest, Hungary; [4]Division of Microbiology, Microbiology and Plant Production, University Miguel Hernández, San Juan de Alicante, Alicante, Spain

16.15-16.45
SPONSORED LECTURE

FABIO ZENNA

HOW A PHENOTYPE MICROARRAY CREATE A POWERFUL ID SYSTEM

BIOLOG Inc., Hayward, Ca, USA

19.00 Congress banquet – Hemingway Restaurant

Thursday, July 9

Classroom No.1

15.00-16.20 Jaques Lucien Monod Industrial Microbiology Session

Monod, Jacques Lucien (1910 – 1976), French biologist who was awarded a Nobel Prize in 1965. Monod (along with François Jacob) is famous for his work on the *E. coli lac* operon. They came up with a model for how the levels of some proteins in a cell are controlled. In their model, the manufacture of proteins is prevented when a repressor, encoded by a regulatory gene, binds to its operator, a specific site on the DNA next to the genes encoding the proteins. It is now known that repressor bound to the operator physically blocks RNA polymerase from binding to the promoter, the site where transcription of the adjacent genes begins. Study of the control of expression of genes in the *lac* operon provided the first example of a transcriptional regulation system. He also suggested the existence of mRNA molecules that link the information encoded in DNA and proteins. Monod is widely regarded as one of the founders of molecular biology. Monod's interest in the *lac* operon originated from his doctoral dissertation, for which he studied the growth of bacteria in culture media containing two sugars.

Chairpersons: Adrian Tsang and Ronald de Vries

15.00-15.20
FBP-5

♦ÁKOS TÓTH[1], ERNA SZABÓ[2], RITA ELEK[2], ÁGNES HUBERT[3], ISTVÁN NAGY[4], BALÁZS KRISZT[5], ANDRÁS TÁNCSICS[6], ISTVÁN NAGY[3], TERÉZIA BARNA[2] AND JÓZSEF KUKOLYA[7]

CLONING, EXPRESSION AND BIOCHEMICAL CHARACTERIZATION OF ENDOMANNANASES FROM THREE DIFFERENT *THERMOBIFIDA* SPECIES

[1]Department of Applied and Environmental Microbiology, Research Institute of Agro-Environmental Sciences, National Agricultural Research and Innovation Centre, Budapest; [2]Department of Genetics and Molecular Biology, Faculty of Science and Technology, University of Debrecen, Debrecen; [3]Department of Molecular Structural Biology, Max Planck Institute of Biochemistry, Martinsried, Germany; [4]Institute of Biochemistry, Biological Research Centre, Hungarian Academy of Sciences, Szeged; [5]Department of Environmental Safety and Ecotoxicology, Institute of Aquaculture and Environmental Safety; [6]Regional University Center of Excellence in Environmental Industry, Faculty of Agricultural and Environmental Sciences, Szent István University, Gödöllő; [7]Department of Applied and Environmental Microbiology, Research Institute of Agro-Environmental Science, National Agricultural Research and Innovation Centre, Budapest, Hungary

15.20-15.40
FBP-6

♦ROLAND WIRTH[1], GERGELY LAKATOS[2], GERGELY MARÓTI[2], ZOLTÁN BAGI[1], JÁNOS MINÁROVICS[3], KATALIN NAGY[3], ÉVA KONDOROSI[2], GÁBOR RÁKHELY[1,4] AND KORNÉL L. KOVÁCS[1, 3, 4]

COUPLED HYDROGEN AND BIOGAS PRODUCTION FROM ALGAL-BACTERIAL BIOMASS

[1]Department of Biotechnology, Faculty of Science and Technology, University of Szeged; [2]Institute of Biochemistry Biological Research Center, Hungarian Academy of Science; [3]Department of Oral Biology and Experimental Dental Research, Faculty of Dentistry, University of Szeged; [4] Institute of Biophysics, Biological Research Center, Hungarian Academy of Sciences, Szeged, Hungary

15.40-16.00
FBP-7

♦ARTHUR F.J. RAM[1,] JING NIU[1], MARK ARENTSHORST[1], DEEPA NAIR[1], JENS FRISVAD[2], KRISTIAN NIELSEN[2] AND PETER J. PUNT[1, 3]

SYSTEMS GENETICS TO CHARACTERIZE CLASSICAL MUTANTS IN THE INDUSTRIAL HOST *ASPERGILLUS NIGER*: IDENTIFICATION OF A GLOBAL REGULATORY GENE TO BE INVOLVED IN METABOLITE AND PROTEIN PRODUCTION

[1]Molecular Microbiology and Biotechnology, Institute of Biology Leiden, Leiden University, Leiden, The Netherlands; [2]Department for Systems Biology, Technical University of Denmark, Lyngby, Denmark; [3]TNO Microbiology and Systems Biology, Zeist, The Netherlands

16.00-16.20
FBP-8

♦ADRIAN TSANG[1], JUSTIN POWLOWSKI[2]

THE USE OF GOLD-STANDARD GENOMIC INFORMATION IN THE DEVELOPMENT OF AN INDUSTRIAL PLATFORM FOR PROTEINS AND METABOLITES PRODUCTION

[1]Biology; [2]Chemistry and Biochemistry, Concordia University, Montreal, Canada

19.00 Congress banquet – Hemingway Restaurant

Thursday, July 9

Classroom No. 2

15.00-16.30 Boris Ephrussi Mycology Session

Boris Ephrussi (1901-1979) was a geneticist, who started his scientific career as a Russian émigré at University of Paris. In the first phase he studied the effect of intracellular and extracellular factors on the regulation of embryo development. After the Second World War he started working with yeasts at the Rothschild Institute in Paris and later at CNRS in Gif Sur Yvette. He discovered non-Mendelian inheritance of cytoplasmic petite mutation and made it clear that some mitochondrial functions were under the control of self-reproducible cytoplasmic factors called rho.

Chairpersons: Manfred Schmidt and Csaba Vágvölgyi

15.00-15.15
MOP-1

♦RENÁTA TÓTH[1], ADÉL TÓTH[1], CSABA PAPP[1], CSABA VÁGVÖLGYI[1], MARIA F. ALONSO[2], JUDITH M. BAIN[2], LARS-PETER ERWIG[2] AND ATTILA GÁCSER[1]

INVESTIGATION OF THE STAGE SPECIFIC PROCESS OF *CANDIDA PARAPSILOSIS* PHAGOCYTOSIS BY MACROPHAGES AND DETECTION OF INTRACELLULAR SURVIVAL STRATEGIES

[1]Department of Microbiology, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary; [2]Aberdeen Fungal Group, Institute of Medical Sciences, University of Aberdeen, Aberdeen, UK

15.15-15.30
MOP-2

♦ENIKŐ BARABÁS-HAJDU[1], SZABOLCS SÁNDOR[2], TEODORA CIGHIR[3], LÁSZLÓ MAJOROS[4], MÓNIKA KOVÁCS[5] AND ANNA MARÁZ[5]

URINARY TRACT INFECTIONS CAUSED BY *TRICHOSPORON*

[1]Pharmacology, Clinical Pharmacology and Microbiology, Faculty of Pharmacy; [2]Faculty of Medicine, Medical and Pharmaceutical University Targu-Mures, Targu-Mures, Romania; [3]Bacteriology, County Hospital Targu Mures, Romania; [4]Department of Medical Microbiology, Medical and Health Science Center, University of Debrecen, Hungary; [5]Department of Microbiology and Biotechnology, Corvinus University of Budapest, Budapest, Hungary

15.30-15.45
MOP-3

♦GÁBOR NAGY[1], ÉVA BOGÁR[1], ORSOLYA PÁLL[1], KERSTIN VOIGT[2], CSABA VÁGVÖLGYI[1] AND TAMÁS PAPP[1]

LOCALIZATION OF DIFFERENT ISOPRENOID BIOSYNTHETIC PATHWAYS IN *MUCOR CIRCINELLOIDES*

[1]Department of Microbiology, Faculty of Science and Technology, University of Szeged, Szeged, Hungary; [2]Jena Microbial Resource Collection, Leibniz Institute for Natural Product and Infection Biology, Jena, Germany

15.45-16.00
MOP-4

♦EMESE PATAKI[1], RONIT WEISMAN[2,3], MÁTYÁS SIPICZKI[1] AND IDA MIKLÓS[1]

FHL1 CONTROLS TRANSCRIPTION OF THE NITROGEN STARVATION INDUCED GENES IN COOPERATION WITH TORC1 IN *SCHIZOSACCHAROMYCES POMBE*

[1]Department of Genetics and Applied Microbiology, Faculty of Science and Technology, University of Debrecen, Debrecen, Hungary; [2]Department of Molecular Microbiology and Biotechnology, Tel Aviv University, Tel Aviv; [3]Department of Natural Sciences, Open University of Israel, Ranana, Israel

16.00-16.15
MOP-5

♦ÉVA LEITER[1], HEESOO PARK[2], NAK-JUNG KWON[2], TAMÁS EMRI[1], VIKTOR OLÁH[3], ILONA MÉSZÁROS[3], BEATRIX DIENES[4], LÁSZLÓ CSERNOCH , JAE-HYUK YU[2] AND ISTVÁN PÓCSI[1]

MODULATING MITOCHONDRIAL FUNCTION AND MORPHOLOGY IN ♦ HAD LOW IMPACT ON CELLULAR PHYSIOLOGY AND AGEING

[1]Department of Biotechnology and Microbiology, Faculty of Science and Technology, University of Debrecen, Debrecen, Hungary; [2]Department of Bacteriology and Genetics, University of Wisconsin, Madison, Wisconsin, USA; [3]Department of Botany; [4]Department of Physiology, Faculty of Science and Technology, University of Debrecen, Debrecen, Hungary

16.15-16.30
MOP-6

♦HELGA TIMA[1], ANITA RÁCZ[2], ZSUZSANNA GULD[3], CSILLA MOHÁCSINÉ FARKAS[1] AND GABRIELLA KISKÓ[1]

FOOD SAFETY RISK OF DEOXYNIVALENOL, ZEARALENONE, T-2 MYCOTOXINS IN SWINE FEED FROM THREE MANUFACTURERS IN HUNGARY

[1]Department of Microbiology and Biotechnology; [2]Department of Applied Chemistry, Faculty of Food Science; [3]Department of Oenology, Faculty of Horticulture, Corvinus University of Budapest, Budapest, Hungary

19.00 Congress banquet – Hemingway Restaurant

Thursday, July 9

Poster Corridor

11.00-13.00 Bacteriology Poster Session

BPP-1

♦JUDIT DOMOKOS[1], DÓRA SZABÓ[1], BÉLA KOCSIS[1] AND KATALIN KRISTÓF[2]

DETECTION OF PLASMID-MEDIATED QUINOLONE RESISTANCE DETERMINANTS IN ESBL PRODUCING ENTEROBACTERIACEAE STRAINS

[1]Institute of Medical Microbiology; [2]Clinical Microbiology Laboratory, Institute of Laboratory Medicine, Semmelweis University, Budapest, Hungary

BPP-2

♦ADRIENN HANCZVIKKEL[1, 2] AND ÁKOS TÓTH[2, 3, 4]

SILVER-SUSCEPTIBILITY OF MULTIDRUG RESISTANT NOSOCOMIAL GRAM-POSITIVE AND GRAM-NEGATIVE PATHOGENS

[1]Doctoral School on Materials Sciences and Technologies, Óbuda University; [2]Department of Bacteriology, National Center for Epidemiology, Budapest, Hungary; [3]European Program for Public Health Microbiology Training (EUPHEM); [4]European Centre for Disease Prevention and Control (ECDC), Stockholm, Sweden"

BPP-3

♦MOHAMED DAW[1], BIRGIT BABITSCH[2] AND CLAUDINE LEGAULT[3]

PULMONARY TUBERCULOSIS IN LIBYA: SOCIO-DEMOGRAPHIC CHARACTERISTICS OF PULMONARY TUBERCULOSIS IMMIGRANT AND NATIVE PATIENTS IN CHEST CLINIC IN LIBYA

[1]Department of Family Medicine and Public Health, Sirte University, Sirte, Libya; [2]Berlin School of Public Health, Charite – Universitätsmedizin Berlin, Berlin, Germany; [3]Department of Biostatistician Sciences, School of Medicine, Wake Forest University, Winston-Salem, NC, USA

BPP-4

♦BERNADETT KHAYER[1], ILDIKÓ FERENCZNÉ PALUSKA[2], JUDIT TÓTH[3], TIBOR MAGYAR[1] AND ENIKŐ WEHMANN[1]

HUMAN *BORDETELLA BRONCHISEPTICA* ISOLATES FROM HUNGARY

[1]Respiratory Bacteriology, Institute for Veterinary Medical Research, Center for Agricultural Research, Hungarian Academy of Sciences; [2]Bacteriology II, National Center for Epidemiology; [3]Microbiology Laboratory, Synlab Budapest Diagnostic Center, Budapest, Hungary

BPP-5

♦GÁBOR MURÁNYI, JÁNOS KISS AND FERENC OLASZ

EXCISION AND CONJUGAL TRANSFER OF A GENOMIC ISLAND: INVESTIGATIONS OF SGI1-ENCODED ORFS OF UNKNOWN FUNCTIONS

Department for Genetics, Agricultural Biotechnology Institute, National Agricultural Research and Innovation Centre, Gödöllő, Hungary

BPP-6

♦DÓRA PARÓCZAI[1], ZOLTÁN MOLNÁR[2], PÉTER BALÁZS[2] AND DEZSŐ PÉTER VIRÓK[1]

ANDROID SMARTPHONE APPLICATION FOR THE AUTOMATIC COUNTING OF BACTERIAL COLONIES

[1]Department of Medical Microbiology and Immunobiology; [2]Department of Image Processing and Computer Graphics, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary

BPP-7

♦ZSUZSANNA RÓNAI[1, 2], ÁDÁM DÁN[2], ÁGNES CSIVINCSIK[3] AND MIKLÓS GYURANECZ[4]

COMPARATIVE MIRU-VNTR ANALYSIS OF *MYCOBACTERIUM AVIUM* SUBSPECIES ISOLATES OF VETERINARY ORIGIN

[1]Bacteriology; [2]Molecular Biology, Directorate for Veterinary Diagnostics, National Food Chain Safety Office, Budapest; [3]Institute for Diagnostics and Oncoradiology, University of Kaposvár, Kaposvár; [4]Institute for Veterinary Medical Research, Centre for Agricultural Research, Hungarian Academy of Sciences, Budapest, Hungary

BPP-8

TÍMEA MOSOLYGÓ[1], MARION SZATMÁRI[1], JÓZSEF MOLNÁR[1], ANDREA CSONKA[2], ÁKOS CSONKA[1], LEONARD AMARAL[3], KATALIN BURIÁN[1] AND ♦GABRIELLA SPENGLER[1]

NEW PERSPECTIVES IN THE TREATMENT OF *CHLAMYDIA TRACHOMATIS* INFECTIONS: PHENOTHIAZINES AND DISILOXANE DERIVATIVES AS POTENTIAL ANTI-CHLAMYDIAL AGENTS

[1]Department of Medical Microbiology and Immunobiology; [2]Department of Obstetrics and Gynecology, Faculty of Medicine, University of Szeged, Szeged, Hungary; [3]Institute of Hygiene and Tropical Medicine, Universidade Nova de Lisboa, Lisbon, Portugal

BPP-9

♦MELINDA SZILÁGYI-BÓNIZS, DÁVID LUKÁCS AND SÁNDOR BIRÓ

FEAST OR FAMINE: NUTRIENT MEDIATED REGULATION OF DIFFERENTATION IN *STREPTOMYCES GRISEUS*

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

BPP-10

♦AMA SZMOLKA[1], ESTELLA PRUKNER-RADOVCIC[2], IVAN KRIZEK[2] AND BÉLA NAGY[1]

CEFOTAXIMASE (CTX-M) AND QUINOLONE RESISTANCE GENES (QNR) WITH ADDITIONAL ANTIMICROBIAL RESISTANCE MECHANISMS IN COMMENSAL *ESCERICHIA COLI* FROM HEALTHY PIGS

[1]Enteric Bacteriology and Foodborne Zoonoses, Institute for Veterinary Medical Research, Centre for Agricultural Research, Hungarian Academy of Sciences, Budapest, Hungary; [2]Department of Avian Diseases, Faculty of Veterinary Medicine, University of Zagreb, Zagreb, Croatia

BPP-11

♦JUDIT TÓTH[1], ESZTER FEKETE[2], GABRIELLA TERHES[2], ALEXANDER INDRA[3], VERENA PECAVAR[3], EDIT URBÁN[2], HILDA OSZTIE[1] AND ERZSÉBET NAGY[2]

CAPILLARY GEL ELECTROPHORESIS-BASED PCR RIBOTYPING OF *CLOSTRIDIUM DIFFICILE* STRAINS COLLECTED AT TWO SITES OF HUNGARY IN 2014

[1]Microbiology Laboratory, Synlab Budapest Center of Diagnostics, Synlab Hungary Ltd.; [2]Institute of Clinical Microbiology, Faculty of Medicine, University of Szeged, Szeged, Hungary; [3]Austian Agency for Health and Food Safety, AGES, Vienna, Austria

BPP-12

♦ANDRÁS ÁDÁM[1], SZILVIA KAJÁRI[2], PÉTER VÁLYI[2] AND EDIT URBÁN[1]

ROLE OF MALDI-TOF METHOD TO IDENTIFY BACTERIAL SPECIES FROM INFLAMED PERIODONTAL POCKETS

[1]Institute of Clinical Microbiology, Faculty of Medicine; [2]Department of Periodontology, Faculty of Dentistry, University of Szeged, Szeged, Hungary

BPP-13

♦ÉVA SZENTKIRÁLYI[1], ÖRS GYŐRFY[2], BALÁZS ITTZÉS[2], ISTVÁN BÁTAI[2] AND MÓNIKA KERÉNYI[1]

A FOLLOW UP STUDY OF COLONISATION AND SURVIVAL OF MULTDRUG-RESISTANT STRAINS ON THE INNER AND OUTER SURFACE OF THE TAPS IN AN INTENSIVE CARE UNIT

[1]Department of Medical Microbiology and Immunology; [2]Department of Anaesthesiology and Intensive Therapy, Faculty of Medicine, University of Pécs, Pécs, Hungary

BPP-14

REBEKA LUCIJANA BERČIČ[1], ♦TAMÁS BAKONYI[2], DUSAN BENČINA[1]

IS SITE-SPECIFIC RECOMBINASE XERC OF *MYCOPLASMA SYNOVIAE* INVOLVED IN ITS *VLH*A GENE RECOMBINATION?

[1]Department of Animal Science, Biotechnical Faculty, University of Ljubljana, Domžale, Slovenia; [2]Department of Microbiology and Infectious Diseases, Faculty of Veterinary Science, Szent István University, Budapest, Hungary

BPP-15

♦SABINA FIJAN AND SONJA ŠOSTAR TURK

INACTIVATION OF *ENTEROCOCCUS FAECIUM* UTILIZING PEROXYACETIC ACID OR ULTRAVIOLET RADIATION

Faculty of Health Sciences, University of Maribor, Maribor, Slovenia

11.00-13.00 Mycology Poster Session

MPP-1

♦FLÓRA BOHNER[1], RENÁTA TÓTH[1], CABRAL VITOR[2], JOSHUA D. NOSANCHUK[2], CSABA VÁGVÖLGYI[1] AND ATTILA GÁCSER[1]

CHARACTERIZATION OF *CANDIDA PARAPSILOSIS* NULL MUTANTS GENERATED IN THE FRAME OF DELETION LIBRARY

[1]Department of Microbiology, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary; [2]Department of Microbiology and Immunology, Albert Einstein College of Medicine, Bronx, USA

MPP-2

♦ALIZ BOZÓ[1], MARIANNA DOMÁN[1], RENÁTÓ KOVÁCS[1], DAVID S. PERLIN[2], GÁBOR KARDOS[1], TAMÁS KARDOS[3], ZOLTÁN TÓTH[1], QASEM SALEH[1] AND LÁSZLÓ MAJOROS[1]

DOSE ESCALATION STUDIES WITH CASPOFUNGIN AGAINST *CANDIDA GLABRATA*

[1]Department of Medical Microbiology, Medical and Health Science Center, University of Debrecen, Debrecen, Hungary; [2]Public Health Research Institute, New Jersey Medical School-Rutgers, Newark, New Jersey, USA; [3]Department of Pulmonology, Medical and Health Science Center, University of Debrecen, Debrecen, Hungary

MPP-3

BENEDIKTA BALLA, ♦CSABA GERGŐ PAPP, JUDIT SZENZENSTEIN, REGINA BERNÁTSKY, CSABA VÁGVÖLGYI AND ATTILA GÁCSER

INVESTIGATION OF *CANDIDA PARAPSILOSIS* SUSCEPTIBILITY TO CASPOFUNGIN

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

MPP-4

♦KATALIN KISS, ESZTER DARVAS AND JUDIT ZALA

DETECTION OF *ASPERGILLUS* GALACTOMANNAN ANTIGEN IN HUMAN SAMPLES WITH DIFFERENT METHODS

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

MPP-5

ANNAMÁRIA KINCSES[1], GABRIELLA TERHES[1], EDIT URBÁN[1], ♦LÁSZLÓ KREDICS[2] AND ILONA DÓCZI[1]

EPIDEMIOLOGY AND LABORATORY DIAGNOSTICS OF *BLASTOCYSTIS* SPECIES

[1]Institute of Clinical Microbiology, faculty of Medicine; [2]Department of Microbiology, Faculty of Science and Technology, University of Szeged, Szeged, Hungary

MPP-6

♦ISTVÁN PÓCSI[1], MÁRTON MISKEI[1], YUQUAN XU[2], MIN LIN[2] AND ISTVÁN MOLNÁR[3]

SEQUENCING AND ANNOTATION OF THE GENOME OF THE NEMATOPHAGOUS FUNGUS *DRECHMERIA CONIOSPORA* REVEALS THE ARSENAL OF AN ENDOPARASITOID FUNGUS FOR THE INVASION OF ITS HOST ORGANISMS

[1]Department of Biotechnology and Microbiology, Faculty of Science and Technology, University of Debrecen, Debrecen, Hungary; [2]Biotechnology Research Institute, Chinese Academy of Agricultural Sciences, Beijing, China; [3]Natural Products Center, School of Natural Resources and the Environment, University of Arizona, Tucson, AZ, USA

MPP-7

♦LAJOS ÁCS-SZABÓ, BIANKA BALOGH, MATTHIAS SIPICZKI AND IDA MIKLÓS

INVESTIGATION OF THE FUNCTION AND STRUCTURE OF ACE2P - A CONSERVED REGULATOR OF CELL SEPARATION

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

MPP-8

♦LAJOS ÁCS-SZABÓ, ZSUZSANNA HADHÁZI, MATTHIAS SIPICZKI AND IDA MIKLÓS

HOW COULD MEIOTIC DNA BREAKS DEFINE THE FATE OF GENE ORDER IN RELATED SPECIES?

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

MPP-9

♦HAJNALKA CSOMA, LAJOS ÁCS-SZABÓ AND MATTHIAS SIPICZKI

THE MITOCHONDRIAL DNA RFLP ANALYSIS OF *CANDIDA ZEMPLININA* YEAST STRAINS

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

MPP-10

♦EMESE PATAKI, MÁTYÁS SIPICZKI AND IDA MIKLÓS

INTERSPECIFIC COMPLEMENTATION ANALYSIS BETWEEN *SCHIZOSACCHAROMYCES POMBE* AND *CANDIDA ALBICANS*

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

MPP-11

MÓNIKA KOVÁCS, GABRIELLA KISKÓ AND ♦ANNA MARÁZ

LACTOSE UTILIZING ASCOMYCETOUS AND BASIDIOMYCETOUS YEASTS: CELLULAR LOCATION OF ß-GALACTOSIDASE AND RELATION BETWEEN ENZYME ACTIVITY AND BIOMASS YIELD

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

MPP-12

ILDIKÓ NYILASI, KRISZTINA DUDÁS, HAJNALKA JUHÁSZ, STELLA A. KOVÁCS, ANITA KECSKEMÉTI, OTTÓ BENCSIK, ANDRÁS SZEKERES, CSABA VÁGVÖLGYI AND ♦TAMÁS PAPP

INVESTIGATION OF Δ9 AND Δ6 FATTY ACID DESATURASE GENE EXPRESSION IN POLYUNSATURATED FATTY ACID PRODUCING *MORTIERELLA* AND *UMBELOPSIS* STRAINS

Department of Microbiology, faculty of Science and Technology, University of Szeged, Szeged, Hungary

MPP-13

OTTÓ BENCSIK, PÉTER ROZINKA, ESZTER BOKOR, TAMÁS PAPP, ANDRÁS SZEKERES, ♦CSABA VÁGVÖLGYI AND ZSUZSANNA HAMARI

ANALYTICAL MONITORING OF THE EARLY ELEMENTS OF NICOTINIC ACID DEGRADATION PATHWAY IN FILAMENTOUS FUNGI

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

MPP-14

♦ENIKŐ HORVÁTH[1], WALTER PÉTER PFLIEGLER[2] AND MATTHIAS SIPICZKI[1]

FIRST STEP OF SPECIATION OR SIMPLY INTRASPECIES DIVERSITY? TWO PIGMENT-PRODUCING YEAST "SPECIES" SHOW NO DIFFERENCES IN PHYSIOLOGY OR SINGLE-COPY GENE SEQUENCES

[1]Department of Genetics and Applied Microbiology; [2]Department of Biotechnology and Microbiology, Faculty of Science and Technology, University of Debrecen, Debrecen, Hungary

MPP-15

FRUZSINA BAKTI, ANITA KIRÁLY, ANNA MOLNÁR, ♦ÉVA LEITER, TAMÁS EMRI AND ISTVÁN PÓCSI

STUDY ON THE GLUTATHIONE METABOLISM IN THE FILAMENTOUS FUNGUS *ASPERGILLUS NIDULANS*

Department of Biotechnology and Microbiology, Faculty of Science and Technology, University of Debrecen, Debrecen, Hungary

MPP-16

♦TAMÁS EMRI[1], VERA SZARVAS[1], ERZSÉBET OROSZ[1], KÁROLY ANTAL[2], HEESOO PARK[3], KAP-HOON HAN[4], JAE-HYUK YU[3] AND ISTVÁN PÓCSI[1]

INVESTIGATING THE ROLE OF ATFA IN CONTROLLING STRESS RESPONSES IN *ASPERGILLUS NIDULANS*

[1]Department of Biotechnology and Microbiology, Faculty of Science and Technology, University of Debrecen, Debrecen, Hungary; [2]Department of Zoology, Eszterházy Károly College, Eger, Hungary; [3]Department of Bacteriology, University of Wisconsin, Madison, USA; [4]Department of Pharmaceutical Engineering, Woosuk University, Wanju, Republic of Korea

MPP-17

♦JÓZSEF SZARVAS[1], ANDRÁS GEÖSEL[2] AND GERGELY VILLÁS[1]

CHARACTERIZATION OF SOME *PLEUROTUS ERYNGII* ISOLATES IN CULTIVATION TESTS

[1]Mushroom Spawn Plant and Strain Research Laboratory, Biokékes Nonprofit Ltd., Demjén; [2]Department of Vegetable and Mushroom Growing, Faculty of Horticultural Science, Corvinus University of Budapest, Budapest, Hungary

MPP-18

♦JÓZSEF SZARVAS[1], KÁROLY PÁL[2] AND ANDRÁS GEÖSEL[3]

TRIALS FOR DISCRIMINATING *PLEUROTUS ERYNGII* ISOLATES BY PARTIAL *TEF*1A AND *RPB*2 SEQUENCES

[1]Mushroom Spawn Plant and Strain Research Laboratory, Biokékes Nonprofit Ltd., Demjén; [2]Department of Microbiology and Food Technology, Eszterházy Károly College, Eger; [3]Department of Vegetable and Mushroom Growing, Faculty of Horticultural Science, Corvinus University of Budapest, Hungary

MPP-19

ALEXANDRA KOTOGÁN[1], ♦ERIKA BEÁTA KEREKES[1], GABRIELLA BABOS[1], JUDIT KRISCH[2], TAMÁS PAPP[1], MUTHUSAMY CHANDRASEKARAN[3], SHINE KADAIKUNNAN[3], NAIYF S. ALHARBI[3], CSABA VÁGVÖLGYI[1] AND MIKLÓS TAKÓ[1]

BIOCONVERSION OF OILSEED RESIDUES BY *RHIZOMUCOR MIEHEI* FOR PRODUCTION OF PHENOLIC ANTIOXIDANTS

[1]Department of Microbiology; [2]Institute of Food Engineering, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary; [3]Botany and Microbiology Department, King Saud University, Riyadh, Saudi Arabia

MPP-20

OTTÓ BENCSIK, ANNAMÁRIA DÁM, ♦TAMÁS PAPP, CSABA VÁGVÖLGYI AND ANDRÁS SZEKERES

OPTIMIZATION OF THE CULTIVATION CONDITIONS OF *BIPOLARIS ORYZAE*

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

11.00-13.00 Agricultural Microbiology Poster Session

APP-1

♦JÓZSEF ZOLTÁN BORBÉLY, EMESE DEMIÁN, ANITA SZEGŐ, VERONIKA PÓS AND NOÉMI LUKÁCS

DIVERSITY OF dsRNA VIRUSES INFECTING THE *CAPSICUM* GENUS

Department of Plant Physiology and Plant Biochemistry, Faculty of Horticulture, Corvinus University of Budapest, Budapest, Hungary

APP-2

♦RITA KOVÁCS[1], ILDIKÓ PUSPÁN[1], BOGLÁRKA RIZÓ[1], CSILLA IMRE[1], NIKOLETTA PÉK[2], ÁDÁM IMRI[1], ÉVA KÁRPÁTI[2] AND JÓZSEF KUTASI[1]

THE EFFECTS OF BIOCHAR ON RHIZOBACTERIA

[1]Biofil Ltd.; [2]Saniplant Ltd., Budapest, Hungary

APP-3

♦ILDIKÓ PUSPÁN[1], RITA KOVÁCS[1], BOGLÁRKA RIZÓ[1], CSILLA IMRE[1], NIKOLETTA PÉK[2], ÉVA KÁRPÁTI[2], ÁGNES AMBRUS[3] AND JÓZSEF KUTASI[1]

DEMONSTRATION OF PLANT-GROWTH PROMOTION BY STRESS TOLERANT SOIL BACTERIA IN POT AND FIELD SOIL INOCULATION TESTS

[1]Biofil Ltd.; [2]Saniplant Ltd., Budapest, Hungary; [3]Laboratory of Soil Biology, Directorate of Plant Protection, Soil Conservation and Agri-environment, National Food Chain Safety Office, Pécs, Hungary

APP-4

♦BOGLÁRKA RIZÓ[1], RITA KOVÁCS[1], ILDIKÓ PUSPÁN[1], CSILLA IMRE[1], NIKOLETTA PÉK[2], ÉVA KÁRPÁTI[2] AND JÓZSEF KUTASI[1]

COLLECTION OF STRESS TOLERANT SOIL BACTERIA WITH PLANT GROWTH PROMOTING AND SOIL AMELIORATIVE PROPERTIES

[1]Biofil Ltd.; [2]Saniplant Ltd., Budapest, Hungary

APP-5

♦FLÓRA SEBŐK, CSABA DOBOLYI, MÁTYÁS HARTMAN, ANITA RISA, CSILLA KRIFATON, MÁTYÁS CSERHÁTI, SÁNDOR SZOBOSZLAY AND BALÁZS KRISZT

TWO-YEAR STUDY OF THE AFLATOXIN-PRODUCING ASPERGILLUS STRAINS IN THE MAIZE FIELDS OF HUNGARY

Department of Environmental Safety and Ecotoxicology, Faculty of Agriculture and Environmental Sciences, Szent István University, Gödöllő, Hungary

APP-6

LÁSZLÓ TÁLAS[1], BENCE TÁNCZOS[1], JUDIT JÁKIM[1], ANDRÁS TARTALLY[2] AND ♦GÁBOR SZEMÁN-NAGY[1]

REMOVAL OF *RICKIA WASMANNII* (LABOULBENIALES, ASCOMYCETES) INFESTATION FROM *MYRMICA SCABRINORDIS* ANTS

[1]Department of Biotechnology and Microbiology; [2]Department of Evolutionary Zoology and Human Biology, Faculty of science and Technology, University of Debrecen, Debrecen, Hungary

APP-7

TAMÁS MARIK[1], ANDRÁS SZEKERES[1], IRINA S. DRUZHININA[2], ♦CSABA VÁGVÖLGYI[1] AND LÁSZLÓ KREDICS[1]

SEQUENTIAL DIVERSITY OF PEPTAIBOL PROFILES OF *TRICHODERMA* SPECIES CAUSING GREEN MOULD DISEASE OF CULTIVATED MUSHROOMS

[1]Department of Microbiology, Faculty of Science and Technology, University of Szeged, Szeged, Hungary; [2]Institute of Chemical Engineering, Vienna University of Technology, Wien, Austria

APP-8

PÉTER KÖRMÖCZI[1], HENRIETTA ALLAGA[1], RÓBERT KORMÁNYOS[2], GERGŐ KORMÁNYOS[2], ♦CSABA VÁGVÖLGYI[1] AND LÁSZLÓ KREDICS[1]

TEMPERATURE-, PH- AND WATER ACTIVITY DEPENDENCE OF *PHOTORHABDUS LUMINESCENS* STRAINS AND THEIR IN VITRO INHIBITORY EFFECT TO *TRICHODERMA* SPECIES CAUSING MUSHROOM GREEN MOULD DISEASE

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

13.00-14.30 Environmental Microbiology Poster Session

EPP-1

♦ISTVÁN SZABÓ[1], KLÁRA PENTELÉNYI[2] AND BALÁZS KRISZT[1]

AFLATOXIN M1 ANALYZES OF HUMAN BREAST MILK SAMPLES FROM HUNGARY

[1]Department of Environmental Safety and Ecotoxicology, Faculty of Agriculture and Environmental Sciences, Szent István University, Gödöllő; [2]Institute of Genomic Medicine and Rare Disorders, Faculty of Medicine, Semmelweis University, Budapest, Hungary

EPP-2

♦ANDREA PALÁGYI[1], ZOLTÁN BOZÓKI[2], TIBOR AJTAI[2], LÁSZLÓ MANCZINGER[1] AND CSABA VÁGVÖLGYI[1]

TOXICITY INVESTIGATION OF AIR SAMPLES WITH MICROTITER PLATE METHODS

[1]Department of Microbiology; [2]MTA-SZTE Research Group on Photoacoustic Spectroscopy of Optics and Quantum Electronics, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary

EPP-3

♦GERGŐ TÓTH[1], JUDIT HÁHN[2], SÁNDOR SZOBOSZLAY[1], CSILLA KRIFATON[1], JÚLIA RADÓ[1] AND BALÁZS KRISZT[1]

INVESTIGATION OF THE BIODEGRADATION AND CYTOTOXICITY OF VARIOUS HERBICIDES

[1]Department of Environmental Safety and Ecotoxicology; [2]Regional University Center of Excellence, Faculty of Agricultural and Environmental Sciences, Szent István University, Gödöllő, Hungary

EPP-4

♦BÁLINT LÓRÁNT, MÁTÉ LÓKA AND GÁBOR MÁRK TARDY

INVESTIGATION OF BIODEGRADATION KINETICS OF DIFFERENT SUBSTRATES IN MICROBIAL FUEL CELLS (MFCs)

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

EPP-5

♦MÁTYÁS CSERHÁTI, CSILLA KRIFATON, IVETT OROSZ, MELINDA FÓZER AND BALÁZS KRISZT

THE EFFECT OF A SEWAGE PLANT RECONSTRUCTION ON THE WATER QUALITY OF THE RIVER ZAGYVA AT JÁSZBERÉNY CITY

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

EPP-6

♦MILÁN FARKAS[1], ANDRÁS TÁNCSICS[2], FRUZSINA RÉVÉSZ[1], BALÁZS KRISZT[1] AND SÁNDOR SZOBOSZLAY[1]

TRACKING THE ENRICHMENT OF FE(III)-REDUCING BACTERIA IN TWO SLIGHTLY DIFFERENT ENRICHMENT MEDIA

[1]Department of Environmental Safety and Ecotoxicology; [2]Regional University Center of Excellence in Environmental Industry, Faculty of Agriculture and Environmental Sciences, Szent István University, Gödöllő, Hungary

EPP-7

♦ERZSÉBET BAKA[1], ÁKOS TÓTH[1], SZABINA LUZICS[1], SÁNDOR VARGA[1], JUDIT BECZNER[1], ILDIKÓ BATA-VIDÁCS[1], ENDRE SÓS[2], LÁSZLÓ SZABÓ[3], PETER SCHUMANN[4], ERIKA TÓTH[5] AND JÓZSEF KUKOLYA[1]

CORYNECOCCUS HYSTRIXII GEN. NOV., SP. NOV., A XYLAN-DEGRADING BACTERIUM ISOLATED FROM THE FACES OF *HYSTRIX CRISTATA* FROM THE BUDAPEST ZOO AND BOTANICAL GARDEN, HUNGARY

[1]Department of Applied and Environmental Microbiology, Research Institute of Agro-Environmental Sciences, National Agricultural Research and Innovation Centre, Budapest, Hungary; [2]Department of Veterinarian and Conservation, Budapest Zoo and Botanical Garden, Budapest, Hungary; [3]Institute of Materials and Environmental Chemistry, Research Centre for Natural Sciences, Hungarian Academy of Sciences, Budapest, Hungary; [4]Leibniz Institute DSMZ-German Collection of Microorganisms and Cell Cultures, Braunschweig, Germany; [5]Department of Microbiology, Faculty of Science, Eötvös Loránd University, Budapest, Hungary

EPP-8

♦SZABINA LUZICS[1], ÁKOS TÓTH[1], ERZSÉBET BAKA[1], SÁNDOR VARGA[1], CRISTINA LA RICCIA[1], ILDIKÓ BATA-VIDÁCS[1], LÁSZLÓ SZABÓ[2], PETER SCHUMANN[3], ERIKA TÓTH[4] AND JÓZSEF KUKOLYA[1]

XYLANOBACILLUS XYLANOLYTICUS GEN. NOV., SP. NOV., A MODERATELY THERMOPHILIC SPECIES WITHIN THE FAMILY PAENIBACILLACEAE

[1]Department of Applied and Environmental Microbiology, Research Institute of Agro-Environmental Sciences, National Agricultural Research and Innovation Centre; [2]Institute of Materials and Environmental Chemistry, Research Centre for Natural Sciences, Hungarian Academy of Sciences, Budapest, Hungary; [3]Leibniz Institute DSMZ-German Collection of Microorganisms and Cell Cultures, Braunschweig, Germany; [4]Department of Microbiology, Faculty of Science, Eötvös Loránd University, Budapest, Hungary

EPP-9

JUDIT KOSZTIK, SÁRA SZURÓCZKI, ZSUZSA KÉKI, KÁROLY MÁRIALIGETI AND ♦ERIKA TÓTH

NOVEL BACTERIA ISOLATED FROM THE WATER OF A THERMAL BATH, BUDAPEST

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

EPP-10

♦GERGELY KRETT, ZSUZSANNA NAGYMÁTÉ, KÁROLY MÁRIALIGETI AND ANDREA BORSODI

TEMPORAL AND SPATIAL FLUCTUATIONS OF PLANKTONIC BACTERIAL COMMUNITY STRUCTURES OF LAKE HÉVÍZ REVEALED BY DGGE

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

EPP-11

♦ROBERT RAMALEY[1] AND KÁROLY MÁRIALIGETI[2]

MICROBIAL COLONIZATION OF REMOTE AND NEWLY EMERGENT HOT SPRINGS IN HUNGARY AND WESTERN UNITED STATES

[1]Biochemistry and Molecular Biology, University of Nebraska Medical Center, Omaha, USA; [2]Department of Microbiology, Faculty of Science, Eötvös Loránd University, Budapest, Hungary

EPP-12

JÚLIA MARGIT ASZALÓS[1], GERGELY KRETT[1], DÓRA ANDA[1], KÁROLY MÁRIALIGETI[1], BALÁZS NAGY[2] AND ♦ANDREA K. BORSODI[1]

DIVERSITY OF EXTREMOPHILIC BACTERIA IN THE HIGH-ALTITUDE LAKES OF OJOS DEL SALADO VOLCANO, DRY ANDES

[1]Department of Microbiology; [2]Department of Physical Geography, Faculty of Science, Eötvös Loránd University, Budapest, Hungary

EPP-13

♦ANIKÓ MENTES[1], ZSOLT GYULA KERESZTES[2], BOGLÁRKA SOMOGYI[3], KÁROLY MÁRIALIGETI[1], LAJOS VÖRÖS[3] AND TAMÁS FELFÖLDI[1]

TAXONOMIC COMPOSITION OF PICOCYANOBACTERIAL COMMUNITIES IN CENTRAL EUROPEAN LAKES

[1]Department of Microbiology, Faculty of Science, Eötvös Loránd University, Budapest, Hungary; [2]Department of Molecular Biology and Biotechnology, Babeş-Bolyai University, Cluj-Napoca, Romania; [3]Balaton Limnological Institute, Centre for Ecological Research, Hungarian Academy of Sciences, Tihany, Hungary

EPP-14

♦MÁRTON MUCSI[1, 2], TIBOR SZILI-KOVÁCS[1], PETRA NYERKY[2], BARBARA SZIRÁNYI[2], PÉTER CSONTOS[1] AND ANDREA K. BORSODI[2]

GENETIC DIVERSITY AND CATABOLIC ACTIVITY PROFILES OF RHIZOSPHERE BACTERIAL COMMUNITIES FROM SOLONCHAK GRASSLANDS IN APAJPUSZTA, KISKUNSÁG NP, HUNGARY

[1]Institute for Soil Sciences and Agricultural Chemistry, Centre for Agricultural Research, Hungarian Academy of Sciences; [2]Department of Microbiology, Faculty of Science, Eötvös Loránd University, Budapest, Hungary

EPP-15

ZSUZSANNA NAGYMÁTÉ[1], ♦ZSUZSANNA POHNER[1], ANDRÁS KARI[1], CORREA YAN RODRIGUES[2], MEDINA ANDRÉ BORDINASSI[3], CSABA ROMSICS[1], JÓZSEF KUTASI[4], ILDIKÓ PUSPÁN[4], ÉVA KÁRPÁTI[5], RITA KOVÁCS[4] AND KÁROLY MÁRIALIGETI[1]

MONITORING THE SURVIVAL AND EFFECT OF PLANT GROWTH PROMOTING RHIZOBACTERIA APPLIED ON ACIDIC AGRICULTURAL SOIL

[1]Department of Microbiology, Faculty of Science, Eötvös Loránd University, Budapest, Hungary; [2]Bacteriology and Mycology Section, Evander Changes Institute, Ananindeua-Pai; [3]Faculty of Philosophy, Sciences and Languages of Riberrao Preto, University of Sao Paulo, Ribeirao Preto-SP, Brazil; [4]BioFil Ltd.; [5]Saniplant Ltd., Budapest, Hungary

EPP-16

♦RAMÓNA KOVÁCS[1], TIBOR SZILI-KOVÁCS[1], ISTVÁN PARÁDI[2], ANDREA K. BORSODI[3], ANNA FÜZY[1] AND TÜNDE TAKÁCS[1]

MYCORRHIZAL STATUS AND MICROBIAL FUNCTIONALITY OF MYCORRHIZOSPHERE IN RELATION TO VEGETATION TYPES OF SOLONCHAK GRASSLAND IN APAJPUSZTA

[1]Department of Soil Biology and Soil Biochemistry, Institute for Soil Sciences and Agricultural Chemistry, Centre for Agricultural Research, Hungarian Academy of Sciences; [2]Department of Plant Physiology and Molecular Plant Biology; [3]Department of Microbiology, Faculty of Science, Eötvös Loránd University, Budapest, Hungary

EPP-17

♦TÍMEA WILK[1], TIBOR NAGY[2], ENDRE BARTA[2], FERENC OLASZ[1], BALÁZS BÁLINT[3], RÓBERT HERCZEG[3], ISTVÁN NAGY[3, 4], ÁKOS TÓTH[5], SZABINA LUZICS[5] AND JÓZSEF KUKOLYA[5]

DE NOVO GENOME PROJECT OF THE POLYSACCHARIDE DEGRADER BACTERIUM *XYLANOBACILLUS XYLANOSILYTICUS* SP. NOV, GEN. NOV

[1]Laboratory of Microbiology; [2]Agricultural Genomics and Bioinformatics, Agricultural Biotechnology Institute, National Agricultural Research and Innovation Centre, Gödöllő; [3]SeqOmics Biotechnology Ltd., Mórahalom; [4]Sequencing, Biological Research Centre, Hungarian Academy of Sciences, Szeged; [5]Department of Applied and Environmental Microbiology, Research Institute of Agro-Environmental Sciences, National Agricultural Research and Innovation Centre, Budapest, Hungary

EPP-18

♦ZSUZSANNA NAGYMÁTÉ[1], JUDIT LAURA JURECSKA[1], CSABA ROMSICS[1], ÉVA MÉSZÁROS[1, 2], FANNI TÓTH[1], ZSUZSANNA POHNER[1] AND KÁROLY MÁRIALIGETI[1]

PREPARATION OF SCALED-UP DECHLORINATING INOCULUM IN THREE-PHASE ANAEROBIC MICROCOSMS AND MONITORING OF DECHLORINATION PROCESSES

[1]Department of Microbiology, Faculty of Science, Eötvös Loránd University, Budapest, Hungary; [2]Institute of Agricultural Sciences, ETH Zurich, Lindau, Switzerland

EPP-19

ISTVÁN MÁTHÉ[1], ATTILA SZABÓ[2], BALÁZS JÓZSEF NAGY[2], BOGLÁRKA SOMOGYI[3], LAJOS VÖRÖS[3], KÁROLY MÁRIALIGETI[2], ♦TAMÁS FELFÖLDI[1,2]

PLANKTONIC MICROBIAL COMMUNITIES IN HELIOTHERMAL SALINE LAKES WITH DIFFERENT HUMAN IMPACT

[1]Department of Bioengineering, Sapientia Hungarian University of Transylvania, 530104 Miercurea Ciuc, Romania; [2]Department of Microbiology, Faculty of Science, Eötvös Loránd University, Budapest; [3]Balaton Limnological Institute, Centre for Ecological Research, Hungarian Academy of Sciences, Tihany, Hungary

13.00-14.30 Food Microbiology Poster Session

FPP-1

♦BERNADETT DEÁK AND ÁGNES BELÁK

ANTAGONISTIC EFFECT OF MICROORGANISMS ISOLATED FROM FOOD PROCESSING ENVIRONMENT ON FOOD-BORNE PATHOGENIC BACTERIA

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

FPP-2

♦TEKLA ENGELHARDT, ILKA HÓBOR, VIKTÓRIA DELI AND GABRIELLA KISKÓ

EXAMINATION THE BIOFILM FORMATION OF *LISTERIA* SPECIES AND *PEDIOCOCCUS ACIDILACTICI*

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

FPP-3

♦ANNAMÁRIA GERŐCS[1], TIBOR FARKAS[1], KATALIN NEMES-BARNÁS[1], JÁNOS MÁJER[2], BARNA SZŐKE[2] AND FERENC OLASZ[1]

INVESTIGATING THE YEAST MICROBIOTA OF THE BADACSONY WINE REGION: ISOLATION AND CHARACTERIZATION OF INDIGENOUS "TERROIR" STRAINS

[1]Agricultural Biotechnology Institute, National Agricultural Research and Innovation Centre, Gödöllő; [2]Research Institute for Viticulture and Enology, National Agricultural Research and Innovation Centre, Badacsonytomaj, Hungary

FPP-4

♦ERIKA BEÁTA KEREKES[1], ANITA VIDÁCS[1], CSABA VÁGVÖLGYI[1] AND JUDIT KRISCH[2]

MIXED CULTURE BIOFILMS: INHIBITION WITH ESSENTIAL OILS AND THEIR MAIN COMPONENTS

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

FPP-5

♦SZILVIA KOVÁCS, ENIKŐ JUHOS AND TÜNDE PUSZTAHELYI

AFLATOXIN B1 PRODUCTION OF *ASPERGILLUS FLAVUS* UNDER DIFFERENT MEDIUM COMPOSITION

Central Laboratory, Faculty of Agricultural and Food Sciences and Environmental Management, University of Debrecen, Debrecen, Hungary

FPP-6

♦CSILLA KRIFATON[1], ERZSÉBET BAKA[2], ANITA RISA[1], HEDVIG HORVÁTH[1], JÓZSEF KUKOLYA[2] AND BALÁZS KRISZT[1]

COMPARISON OF GENOTOXICITY TESTS USING DIFFERENT CYTOCHROME P450 ENZYMES AND REPORTERS FOR DETECTING AFLATOXINS AND ITS DERIVATIVES

[1]Department of Environmental Safety and Ecotoxicology, Faculty of Agriculture and Environmental Sciences, Szent István University, Gödöllő; [2]Department of Applied and Environmental Microbiology, Research Institute of Agro-Environmental Sciences, National Agricultural Research and Innovation Centre, Budapest, Hungary

FPP-7

♦ZSUZSANNA LIBA AND HENRIETTA VASKÓ

EFFECT OF APPLE ON QUANTITATIVE CHANGES OF PROBIOTICS BACTERIA

Department of Environmental Science, College of Nyíregyháza, Hungary

FPP-8

GÁBOR JÓNÁS[1], ADRIENN TÓTH[1], ♦CSABA NÉMETH[2], TAMÁS NÉMETH[2], DÁVID LÁNG[2], JÓZSEF SURÁNYI[1] AND LÁSZLÓ FRIEDRICH[1]

HIGH HYDROSTATIC PRESSURE TREATMENT OF REDUCED SALT CONTENT DRY PRODUCTS FOR REASONS OF FOOD SAFETY

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

FPP-9

ADRIENN TÓTH[1], ♦CSABA NÉMETH[2], ODETT ELEK[1], DÁVID LÁNG[2], DIÁNA SZIKORÁNÉ NAGY[2], BARBARA CSEHI[1], ISTVÁN DALMADI[1] AND LÁSZLÓ FRIEDRICH[1]

LIQUID EGG WHITE WITH EXTENDED SHELF LIFE AS A BASE FOR FRUIT DRINKS

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

FPP-10

♦TÜNDE PETROVICS[1], ALEXANDRA VERESS[1], TÍMEA WILK[1], ZOLTÁN KERÉNYI[2], RÓBERT KOCSIS[2], TIBOR FARKAS[1], PÉTER PÁL PAPP[1] AND FERENC OLASZ[1]

EXPLORING THE MICROBIOTA OF SAMPLES FROM TRADITIONAL DAIRY PRODUCTS DERIVED FROM A TRANSYLVANIAN FARM

[1]Microbiology Laboratory, Department of Genetics, Agricultural Biotechnology Institute, National Agricultural Research and Innovation Centre, Gödöllő; [2]Research and Development, Hungarian Dairy Research Institute Ltd., Mosonmagyaróvár, Hungary

FPP-11

♦ANITA RISA[1], CSILLA KRIFATON[1], DALMA MAJA DIVINYI[1], MÁTYÁS CSERHÁTI[1], JÓZSEF KUKOLYA[2] AND BALÁZS KRISZT[1]

EXAMINATION OF THE AFB1-DEGRADING PROFILE OF *RHODOCOCCUS* TYPE STRAINS

[1]Department of Environmental Safety and Ecotoxicology, Faculty of Agriculture and Environmental Sciences, Szent István University, Gödöllő; [2]Department of Microbiology, Central Environmental and Food Science Research Institute, Budapest, Hungary

FPP-12

♦JÓZSEF SZARVAS[1], ANDRÁS GEÖSEL[2], VIKTOR PAPP[3], ANITA KISS[1] AND KÁROLY PÁL[4]

IN VITRO INVESTIGATION OF THE EFFECT OF DIFFERENT MUSHROOM EXTRACTS ON PROBIOTIC BACTERIA

[1]Mushroom Spawn Plant and Strain Research Laboratory, Biokékes Nonprofit Ltd., Demjén; [2]Department of Vegetable and Mushroom Growing; [3]Department of Botany and Soroksár Botanical Garden, Faculty of Horticultural Science, Corvinus University of Budapest, Budapest; [4]Department of Microbiology and Food Technology, Eszterházy Károly College, Eger, Hungary

FPP-13

♦ALEXANDRA VERESS[1], TÜNDE PETROVICS[1], EDIT ZAJÁCZ[2], ZOLTÁN KERÉNYI[3], RÓBERT KOCSIS[3], FERENC OLASZ[1] AND PÉTER PAPP[1]

ISOLATION AND IDENTIFICATION OF BACTERIA FOUND IN HONEY SAMPLES

[1]Agricultural Biotechnology Institute, National Agricultural Research and Innovation Centre; [2]Institute of Apiculture and Bee Biology, Research Centre for Farm Animal Gene Conservation, Gödöllő; [3]Research and Development, Hungarian Dairy Research Institute, Mosonmagyaróvár, Hungary

FPP-14

♦ANITA VIDÁCS[1], ERIKA KEREKES[1], JUDIT KRISCH[2] AND CSABA VÁGVÖLGYI[1]

ANTIBACTERIAL EFFECT OF ESSENTIAL OIL COMBINATIONS

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

FPP-15

♦ILDIKÓ BATA-VIDÁCS[1], ERZSÉBET BAKA[1], OLÍVIA CSERNUS[1], ÁKOS TÓTH[1], SZABINA LUZICS[1], SÁNDOR VARGA[1], ZSUZSANNA CSERHALMI[2], SÁNDOR FERENCZI[2], JÓZSEF KUKOLYA[1]

THE EFFECT OF MICROWAVE, RADIO FREQUENCY TREATMENT, AND STEAMING ON THE CONTAMINATING MICROFLORA AND COLOUR OF SPICE PAPRIKA POWDER

[1]Department of Applied and Environmental Microbiology Institute of Agro-Environmental Sciences; [2]Food Science Research Institute, Agricultural Research and Innovation Centre, National Agricultural Research and Innovation Centre, Budapest, Hungary

13.30-14.30 Immunology and Parasitology Poster Session

PPP-1

♦ILDIKÓ LANTOS, ILDIKÓ ESZI, DEZSŐ VIRÓK, TÍMEA MOSOLYGÓ, KATALIN BURIÁN AND VALÉRIA ENDRÉSZ

INTESTINAL CACO-2 CELLS SUPPORT *CHLAMYDIA* REPLICATION AND PRODUCE HUMAN BETA-DEFENSIN-2

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

PPP-2

♦ESZTER JUDIT TÓTH[1], ÉVA BOROS[2], ALEXANDRA HOFFMANN[1], ISTVÁN NAGY[2], MUTHUSAMY CHANDRASEKARAN[3], SHINE KADAIKUNNAN[3], NAIYF S. ALHARBI[3], CSABA VÁGVÖLGYI[1] AND TAMÁS PAPP[1]

INTERACTION OF *CURVULARIA* STRAINS WITH HUMAN THP1 CELLS

[1]Department of Microbiology, Faculty of Science and Informatics, University of Szeged; [2]Biological Research Centre, Hungarian Academy of Sciences, Szeged, Hungary; [3]Botany and Microbiology Department, King Saud University, Riyadh, Saudi Arabia

PPP-3

ADÉL TÓTH[1], ♦ERIK ZAJTA[1, 1], KATALIN CSONKA[1], MIHAI G. NETEA[2] AND ATTILA GÁCSER[1]

CANDIDA PARAPSILOSIS TRIGGERS NLRP3 INFLAMMASOME ACTIVATION – A COMPARISON WIH _CANDIDA ALBICANS_

[1]Department of Microbiology, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary; [2]Department of Medicine, Radboud University, Nijmegen, Netherlands

PPP-4

♦ISTVÁN KUCSERA[1], TIBOR VÁGÓ[2], ELTIGANI A. MAGID[3], RITA FRAKNÓI[4], LÁSZLÓ FÜSTÖS[5], KÁROLY KOVÁCS[5], JÓZSEF PAP-SZEKERES[5] AND ENDRE MÉSZÁROS[6]

HUMAN *DIROFILARIA REPENS* INFECTION WITH UNUSUAL LOCALIZATION – CASE REPORT

[1]Department of Parasitology, National Center for Epidemiology, Budapest; [2]Department of Pathology; [3]Department of Radiology, Bács-Kiskun County Teaching Hospital, Kalocsa; [4]Department of Radiology, St. Rókus Hospital, Baja; [5]Department General Surgery, Bács-Kiskun County Teaching Hospital, Kecskemét; [6]Outpatients' Department of Infectious Diseases, St. Rókus Hospital, Baja, Hungary

PPP-5

♦KATA HORVÁTI[1], SZILVIA BŐSZE[1], BERNADETT BACSA[1], HANNAH P. GIDEON[2], RENE GOLIATH[2], FADHEELA PATEL[2], MOLEBOGENG X. RANGAKA[2], FERENC HUDECZ[1, 3], ROBERT J. WILKINSON[2, 4, 5] AND KATALIN A. WILKINSON[2, 4]

DETECTION OF *MYCOBACTERIUM TUBERCULOSIS* SENSITIZATION USING A MODIFIED INTERFERON-GAMMA RELEASE ASSAY

[1]MTA-ELTE Research Group of Peptide Chemistry, Faculty of Science, Eötvös Loránd University, Budapest, Hungary; [2]CIDRI, IDM, University of Cape Town, Cape Town, South Africa; [3]Department of Organic Chemistry, Faculty of Science, Eötvös Loránd University, Budapest, Hungary; [4] Mill Hill Laboratory, The Francis Crick Institute, London, UK; [5]Department of Medicine, Imperial College London, London, UK

13.30-14.30 Virology Poster Session

VPP-1

♦JUDIT DEÁK[1], FERENC JAKAB[2] AND GÁBOR KEMENESI[2]

SCREENING OF EMERGING VIRAL INFECTIONS UNDER THE CLIMATE CHANGE IN HUNGARY

[1]Institute of Clinical Microbiology, Faculty of Medicine, University of Szeged, Szeged; [2]Virological Research Group and Institute of Biology, Faculty of Sciences and János Szentágothai Research Center, University of Pécs, Pécs, Hungary

VPP-2

♦TAMÁS PÉTER GABELICS, ZOLTÁN LÁSZLÓ TARJÁN, MÓNIKA BALLMANN AND MÁRIA BENKŐ

GENETIC DIVERSITY OF PIGEON CIRCOVIRUSES IN HUNGARY

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

VPP-3

♦ZOLTÁN LÁSZLÓ TARJÁN AND JUDIT J. PÉNZES

FULL GENOME SEQUENCE OF NOVEL CIRCOVIRUSES DETECTED IN LOWER VERTEBRATE ANIMALS

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

Friday, July 10

Auditorium No.1

8.30-10.30 Paul Ehrlich Plenary Session

Ehrlich, Paul (1854 – 1915) was a German physician and scientist who worked in the fields of immunology, hematology, and antimicrobial chemotherapy. He invented the precursor technique to Gram staining bacteria. His laboratory discovered arsphenamine (Salvarsan), the first effective medicinal treatment for syphilis, thereby initiating and also naming the concept of chemotherapy. Ehrlich popularized the concept of a "magic bullet." He also made a decisive contribution to the development of an antiserum to combat diphtheria and conceived a method for standardizing therapeutic serums. In 1908, he received the Nobel Prize in Physiology or Medicine for his contributions to immunology. He was the founder and first director of what is now known as the Paul Ehrlich Institute.

Chairpersons: Erika Tóth and László Kredics

8.30-9.00
ESP-1
PETER SCHUMANN

SENSITIVE DETECTION OF PEPTIDOGLYCAN IN GRAM-NEGATIVE BACTERIA BY A GAS CHROMATOGRAPHIC AND MASS SPECTROMETRIC APPROACH

Services Microorganisms, DSMZ, Braunschweig, Germany

ESP-2
9.00-9.30

ISTVÁN MOLNÁR

TOWARDS "UNNATURAL PRODUCTS": COMBINATORIAL BIOSYNTHESIS OF BIOACTIVE BENZENEDIOL LACTONE POLYKETIDES

Natural Products Center, School of Natural Resources and Environment, University of Arizona, Tucson, AZ, USA

9.30-10.00
ESP-3

KATA HORVÁTI[1], ZSUZSA BARANYAI[1], BERNADETT BACSA[1], MARTIN KRÁTKÝ[2], JARMILA VINŠOVÁ[2], ELEONÓRA SZABÓ[3], ZSUZSA SENONER[3], SÁNDOR DÁVID[1], KINGA FODOR[4], GYULA BALKA[5], MIKLÓS RUSVAI[5], ÉVA KISS[6], GERGŐ GYULAI[6], VINCE GROLMUSZ[7], BEÁTA VÉRTESSY[8], FERENC HUDECZ[1, 9] AND ♦SZILVIA BŐSZE[1]

COMBATING MYCOBACTERIUM TUBERCULOSIS WITH NOVEL COMPOUNDS: HOST CELL TARGETING STRATEGIES IN A SERIES OF IN VITRO AND IN VIVO MODELS

[1]MTA-ELTE Research Group of Peptide Chemistry, Faculty of Science, Eötvös Loránd University, Budapest, Hungary; [2]Department of Inorganic and Organic Chemistry, Faculty of Pharmacy, Charles University, Hradec Králové, Czech Republic; [3]Laboratory of Bacteriology, Korányi National Institute for Tuberculosis and Respiratory Medicine, Budapest, Hungary; [4]Department of State Veterinary Medicine and Agricultural Economics; [5]Department of Pathology and Forensic Veterinary Medicine, Faculty of Veterinary Science, Szent István University, Budapest, Hungary; [6]Laboratory of Interfaces and Nanostructures, Institute of Chemistry, Faculty of Science, Eötvös Loránd University, Budapest, Hungary; [7]Protein Information Technology Group, Faculty of Science, Eötvös Loránd University, Budapest, Hungary; [8]Institute of Enzimology, Research Centre for Natural Sciences, Hungarian Academy of Sciences, Budapest, Hungary; [9]Department of Chemistry, Faculty of Science, Eötvös Loránd University, Budapest, Hungary

10.00-10.30
ESP-4

ATTILA GÁCSER

REGULATION, FUNCTION AND STRUCTURE OF VIRULENCE FACTORS OF *CANDIDA PARAPSILOSIS*

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

10.30-11.00 Coffee break

11.00-12.15 Christian Gottfried Ehrenberg Environmental Microbiology Session

Ehrenberg, Christian Gottfried (1795 – 1876), German naturalist and microscopist, one of the most famous and productive scientists of his time. In 1818, he completed his doctoral dissertation on fungi. In 1820–1825, on a scientific expedition to the Middle East he collected thousands of specimens of plants and animals. Returning, he concentrated on microscopic organisms: examined water, soil, sediment, blowing dust and rock. He described flagellates (*Euglena* spp.), ciliates (*Paramecium* spp.), and fossils, in nearly 400 publications. He was particularly interested in diatoms, radiolaria, foraminifera and dinoflagellates. He recognized, that considerable masses of rock were composed of minute forms of animals or plants. He also demonstrated that the phosphorescence of the sea was due to organisms. He was a member of the Royal Swedish Academy of Sciences, a foreign member of the Royal Society of London.

Chairpersons: Tamás Felföldi and Andrea Borsodi

11.00-11.15
EOP-6

♦KRISTÓF KORPONAI[1], BOGLÁRKA SOMOGYI[2], ATTILA SZABÓ[1], EMIL BOROS[2], LAJOS VÖRÖS[2] AND TAMÁS FELFÖLDI[1]

PURPLE BACTERIAL BLOOM IN AN ALKALINE SODA PAN

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

11.15-11.30
EOP-7

♦NÓRA TUGYI[1], LAJOS VÖRÖS[1], EMIL BOROS[1], KÁROLY MÁRIALIGETI[2], TAMÁS FELFÖLDI[2] AND BOGLÁRKA SOMOGYI[1]

DISTRIBUTION AND ECOLOGY OF PHOTOHETEROTROPHIC BACTERIA IN HUNGARIAN SHALLOW LAKES

[1]Department of Hydrobotany, Balaton Limnological Institute, Centre for Ecological Research, Tihany; [2]Department of Microbiology, Faculty of Science, Eötvös Loránd University, Budapest, Hungary

11.30-11.45
EOP-8

♦DÓRA ANDA[1], JUDIT MAKK[1], GERGELY KRETT[1], LAURA JURECSKA[1], KÁROLY MÁRIALIGETI[1], JUDIT MÁDL-SZŐNYI[2] AND ANDREA BORSODI[1]

THERMOPHILIC BIOFILM AND WELL WATER PROKARYOTIC COMMUNITIES FROM BUDA THERMAL KARST SYSTEM REVEALED BY SEM AND MOLECULAR CLONING

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

11.45-12.00
EOP-9

♦ATTILA SZABÓ[1], KRISTÓF KORPONAI[1], BOGLÁRKA SOMOGYI[2], LAJOS VÖRÖS[2], BALÁZS VAJNA[1], KÁROLY MÁRIALIGETI[1] AND TAMÁS FELFÖLDI[1]

SEASONAL DYNAMICS OF MICROBIAL COMMUNITIES INHABITING TWO DISTINCT TYPES OF ALKALINE SODA PANS

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

12.00-12.15
EOP-10

♦TAMÁS FELFÖLDI[1,2], ERIKA KOVÁCS[2], DEZSŐ RÓBERT FIKÓ[2], GYÖRGY TANKÓ[2], ATTILA SZABÓ[1], ZSUZSANNA NAGYMÁTÉ[1], SZABOLCS SZILVESZTER[2], ISTVÁN MÁTHÉ[2]

UNCONVENTIONAL STRATEGIES FOR THE CULTIVATION OF NEW BACTERIAL STRAINS FROM AQUATIC ENVIRONMENTS

[1]Department of Microbiology, Faculty of Science, Eötvös Loránd University, Budapest, Hungary; [2]Department of Bioengineering, Sapientia Hungarian University of Transylvania, Miercurea Ciuc, Romania

12.15-14.00 Lunch break

14.00 Closing Ceremony, Best Poster Award

Friday, July 10

Auditorium No.2

11.00-12.15 Franz Meyen Mycology Session

Meyen, Franz Julius Ferdinand (1804–1840) was a Prussian physician and botanist. He described *Saccharomyces cerevisiae* Meyen ex E.C. Hansen, the baker's yeast or the brewer's yeast, as well as the Humboldt penguin (*Spheniscus humboldti* Meyen), and other species, as well. He is also known as the author of the first major study in plant anatomy.

Chairpersons: Anna Maráz and Attila Gácser

11.00-11.15
MOP-7

♦TAMÁS EMRI[1], VERA SZARVAS[1], ERZSÉBET OROSZ[1], KÁROLY ANTAL[2], HEE SOO PARK[3], KAP-HOON HAN[4], JAE-HYUK YU[3] AND ISTVÁN PÓCSI[1]

DOES CORE ENVIRONMENTAL STRESS RESPONSE EXIST IN *ASPERGILLUS NIDULANS*?

[1]Department of Biotechnology and Microbiology, Faculty of Science and Technology, University of Debrecen, Debrecen, Hungary; [2]Department of Zoology, Eszterházy Károly College, Eger, Hungary; [3]Department of Bacteriology, University of Wisconsin, Madison, USA; [4]Department of Pharmaceutical Engineering, Woosuk University, Wanju, Republic of Korea

11.15-11.30
MOP-8

♦TÜNDE PUSZTAHELYI[1, 2], TAMÁS EMRI[2] AND ISTVÁN PÓCSI[2]

EXPRESSION OF SRRA STRESS RESPONSE REGULATOR FACTOR AFFECTED BY BOTH CELL WALL INTEGRITY STRESS AND ΔRLMA MUTATION IN *ASPERGILLUS NIDULANS* FILAMENTOUS FUNGUS

[1]Central Laboratory, Faculty of Agricultural and Food Sciences and Environmental Management; [2]Department of Biotechnology and Microbiology, Faculty of Science and Technology, University of Debrecen, Debrecen, Hungary

11.30-11.45
MOP-9

♦ANDREA POMÁZI AND ANNA MARÁZ

BIODEGRADATION ACTIVITY OF CELLULOLYTIC FUNGI ISOLATED FROM COMPOSTING AGRICULTURAL WASTES

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

11.45-12.00
MOP-10

♦GÁBOR SZEMÁN-NAGY[1], GÁSPÁR BÁNFALVI[1], VIKTOR DOMBRÁDI[2] AND ISTVÁN PÓCSI[1]

THE PRIVATE LIFE OF INDIVIDUAL CELLS OF FUNGI FOLLOWED BY HIGH TEMPORAL RESOLUTION, NEAR-INFRARED TIME-LAPSE MICROSCOPY AND DIGITAL IMAGE ANALYSIS

[1]Department of Biotechnology and Microbiology, Faculty of Science and Technology; [2]Department of Medical Chemistry, Faculty of Medicine, University of Debrecen, Debrecen, Hungary

12.00-12.15
MOP-11

CSILLA KOVÁCS, FERENC PELES AND ♦ERZSÉBET SÁNDOR

ENDOPHYTIC FUNGI ISOLATED FROM GTD SYMPTOMATIC GRAPEVINES AND TESTING POTENTIAL BIOCONTROL AGENTS FOR TREATMENT

Institute of Food Science, University of Debrecen, Debrecen, Hungary

12.15-14.00 Lunch break

Friday, July 10

Classroom No.1

11.00-12.30 György Iványovics Bacteriology Session

Iványovics, György (1904–1980), medical doctor, microbiologist, bacteriologist, member of the Hungarian Academy of Sciences, professor of microbiology at the Szeged University, founder of the Hungarian Society for Microbiology. His main research field was general bacteriology first of all the genetics of *Bacillus*. Together with his colleagues Prof Iványovics discovered and characterized several bacillus phages as well as bactericid protein termed megacin produced *B. megaterium* strains.

Chairpersons: Elisabeth Nagy and Orsolya Dobay

11.00-11.15
BOP-7

SZILVIA KARDOS[1], ADRIENN TÓTHPÁL[1], KRISZTINA LAUB[1], KATALIN KRISTÓF[2], ESZTER OSTORHÁZI[1, 2, 3], FERENC ROZGONYI[3] AND ♦ORSOLYA DOBAY[1]

STREPTOCOCCUS AGALACTIAE ISOLATES FROM THE DERMATOLOGY CLINIC OF SEMMELWEIS UNIVERSITY, BUDAPEST

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

11.15-11.30
BOP-8

♦AMA SZMOLKA[1], MÓNI SZABÓ[2], TIBOR NAGY[2], JUDIT PÁSZTI[3], NOÉMI NÓGRÁDY[3], ERZSÉBET ADRIÁN[4], FERENC OLASZ[2] AND BÉLA NAGY[1]

INSIGHT INTO THE MOLECULAR CHARACTERISTICS OF NEW MULTIRESISTANT CLONES AND PLASMIDS OF *SALMONELLA* INFANTIS IN POULTRY AND MAN

[1]Enteric Bacteriology and Foodborne Zoonoses, Institute for Veterinary Medical Research, Centre for Agricultural Research, Hungarian Academy of Sciences, Budapest; [2]Department for Genetics, Agricultural Biotechnology Institute, National Agricultural Research and Innovation Centre, Gödöllő; [3]Department of Phage-typing and Molecular Epidemiology, National Center for Epidemiology; [4]Food and Feed Safety Directorate, National Food Chain Safety Office, Budapest, Hungary

11.30-11.45
BOP-9

♦FATEMEH EBRAHIMI, JULIANNA MÓZES AND GÁBOR KARDOS

CHANGES IN THE DISTRIBUTION OF ASYMPTOMATICALLY CARRIED ESBL-PRODUCING ENTEROBACTERIA AND THEIR ESBL GENES AMONG HEALTHY INDIVIDUALS

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

11.45-12.00
BOP-10

♦ANGÉLA VÁRADI, DOROTTYA FRANYÓ, ANITA KOZÁK, ZSUZSANNA DOMBRÁDI AND JUDIT SZABÓ

PREVALENCE OF BINARY TOXIN POSITIVE *CLOSTRIDIUM DIFFICILE* STRAINS AT THE CLINICS OF THE UNIVERSITY OF DEBRECEN, HUNGARY

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

12.00-12.15
BOP-11

♦ANETT DEMCSÁK[1], GÁBOR DECSI[2], ÁDÁM BACH[3], DÓRA PÁLINKÓ[3], LÁSZLÓ ROVÓ[3], KATALIN NAGY[2], EDIT URBÁN[4], JÓZSEF SÓKI[4] AND JÁNOS MINÁROVITS[1]

DETECTION OF *FUSOBACTERIUM NUCLEATUM* IN SALIVARY SAMPLES OF HEAD AND NECK CANCER PATIENTS BY REAL TIME PCR

[1]Department of Oral Biology and Experimental Dental Research; [2]Department of Oral Surgery, Faculty of Dentistry; [3]Department of Oto-Rhyno-Laryngology and Head and Neck Surgery; [4]Institute of Clinical Microbiology, Faculty of Medicine, University of Szeged, Szeged, Hungary

12.15-12.30
BOP-12

♦ZOLTÁN TIGYI[1], MARIANNA HORVÁTH[1], LÁSZLÓ PÓTÓ[2] AND GYÖRGY SCHNEIDER[1]

COMPARISON OF THE INCIDENCE RATE OF DIFFERENT IRON ACQUISITION SYSTEMS OF COMMENSAL, CLINICAL AND ENVIRONMENTAL *KLEBSIELLA PNEUMONIAE* ISOLATES

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

12.30-14.00 Lunch break

Friday, July 10

Classroom No. 2

11.00-12.30 Thomas Huckle Weller Immunology and Parasitology Session

Weller, Thomas Huckle (1915 –2008) was an American virologist. He studied also medical zoology and received a B.S. and an M.S., with his master's thesis on fish parasites. He, John Franklin Enders and Frederick Chapman Robbins were awarded a Nobel Prize in Physiology or Medicine in 1954 for showing how to cultivate poliomyelitis viruses in a test tube, using a combination of human embryonic skin and muscle tissue. In addition to his research on polio, for which he won the Nobel Prize, Weller also contributed to treating schistosomiasis, and Coxsackie viruses. He was also the first to isolate the virus responsible for varicella. In 1954 he was awarded the George Ledlie prize in recognition of his research on rubella, polio and cytomegalovirus viruses.

Chairpersons: Takács Mária and Rita Oláhné-Szabó

11.00-11.15
POP-1

♦ILDIKÓ ESZIK[1], ILDIKÓ LANTOS[1], FERENC SOMOGYVÁRI[1], KAMIL ÖNDER[2], KATALIN BURIÁN[1], VALÉRIA ENDRÉSZ[1] AND DEZSŐ VIRÓK[1]

DEVELOPMENT OF A qPCR BASED METHOD FOR THE QUANTITATIVE MEASUREMENT OF *CHLAMYDIA TRACHOMATIS* GROWTH

[1]Department of Medical Microbiology and Immunobiology, Faculty of Medicine, University of Szeged, Szeged, Hungary; [2]Department of Dermatology, Paracelsus Medical University, Salzburg, Austria

11.15-11.30
POP-2

♦NÓRA MAGYAR, ÁGNES FARKAS, KATALIN N. SZOMOR AND MÁRIA TAKÁCS

COMPARATIVE STUDY OF ANTIBODY LEVELS DEVELOPED BY VACCINATION AGAINST POLIO VIRUS IN POPULATION AFTER VACCINE TYPE ALTERATION

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

11.30-11.45
POP-3

♦RITA OLÁHNÉ SZABÓ[1], MÓNIKA SEBESTYÉN[1], GYÖRGY KÓCZÁN[1], LÁSZLÓ KŐHIDAI[2] AND FERENC HUDECZ[1, 3]

DRUG TARGETING STRATEGY WITH POLYEPTIDE BASED METHOTREXATE CONJUGATES AGAINST *LEISHMANIA* INFECTION

[1]MTA-ELTE Research Group of Peptide Chemistry, Faculty of Science, Eötvös Loránd University; [2]Department of Genetics, Cell and Immunobiology, Faculty of Medicine, Semmelweis University; [3]Department of Organic Chemistry, Faculty of Science, Eötvös Loránd University, Budapest, Hungary

11.45-12.00
POP-4

MÁRIÓ GAJDÁCS[1], ENRIQUE DOMÍNGUEZ-ÁLVAREZ[2], JADWIGA HANDZLIK[2], KATALIN BURIÁN[1] AND ♦GABRIELLA SPENGLER[1]

REVERSAL OF MULTIDRUG RESISTANCE BY SELENOESTER DERIVATIVES

[1]Department of Medical Microbiology and Immunobiology, Faculty of Medicine, University of Szeged, Szeged, Hungary; [2]Department of Technology and Biotechnology of Drugs, Jagiellonian University, Kraków, Poland

12.00-12.15
POP-5

LEVENTE SZAKÁCS

T-HELPER ACTIVITY IN *MYCOBACTERIUM* INFECTION

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

12.15-12.30
POP-6

KATALIN BURIÁN, ILDIKÓ ESZIK, ILDIKÓ LANTOS, ANITA BOGDANOV, VALÉRIA ENDRÉSZ AND ♦DEZSŐ PÉTER VIRÓK

IMPACT OF INTERFERON-GAMMA ON THE GENE EXPRESSION OF HUMAN EPITHELIAL CELLS

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

12.30-14.00 Lunch break

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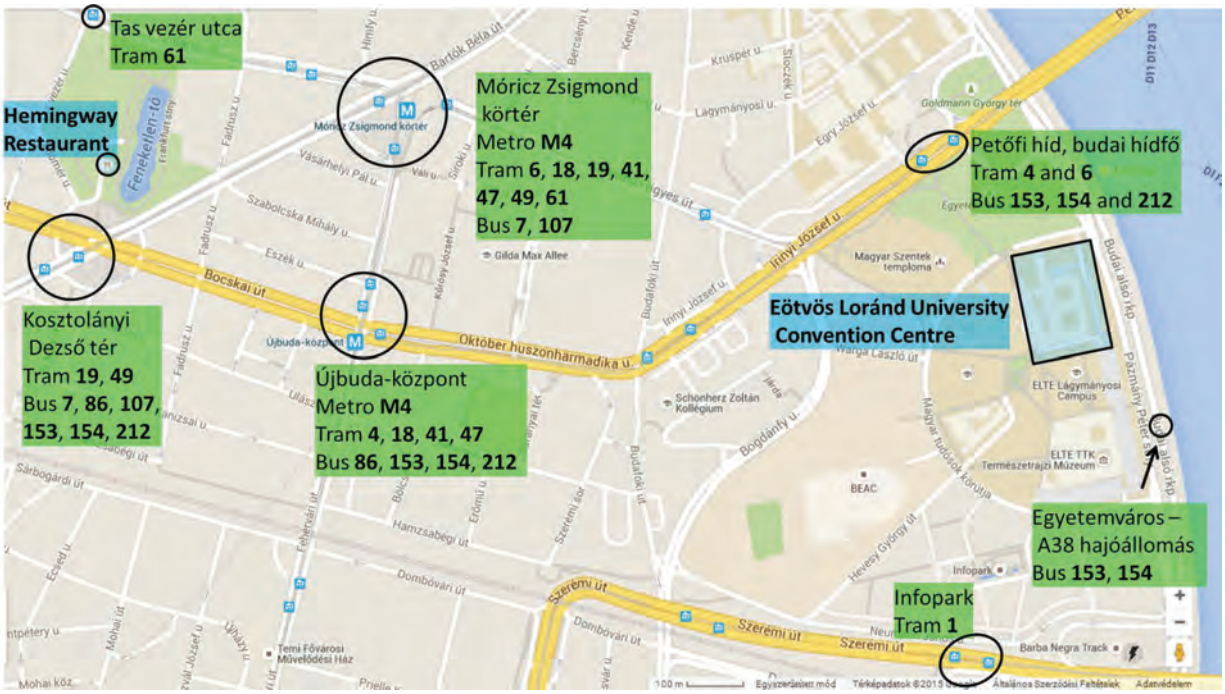
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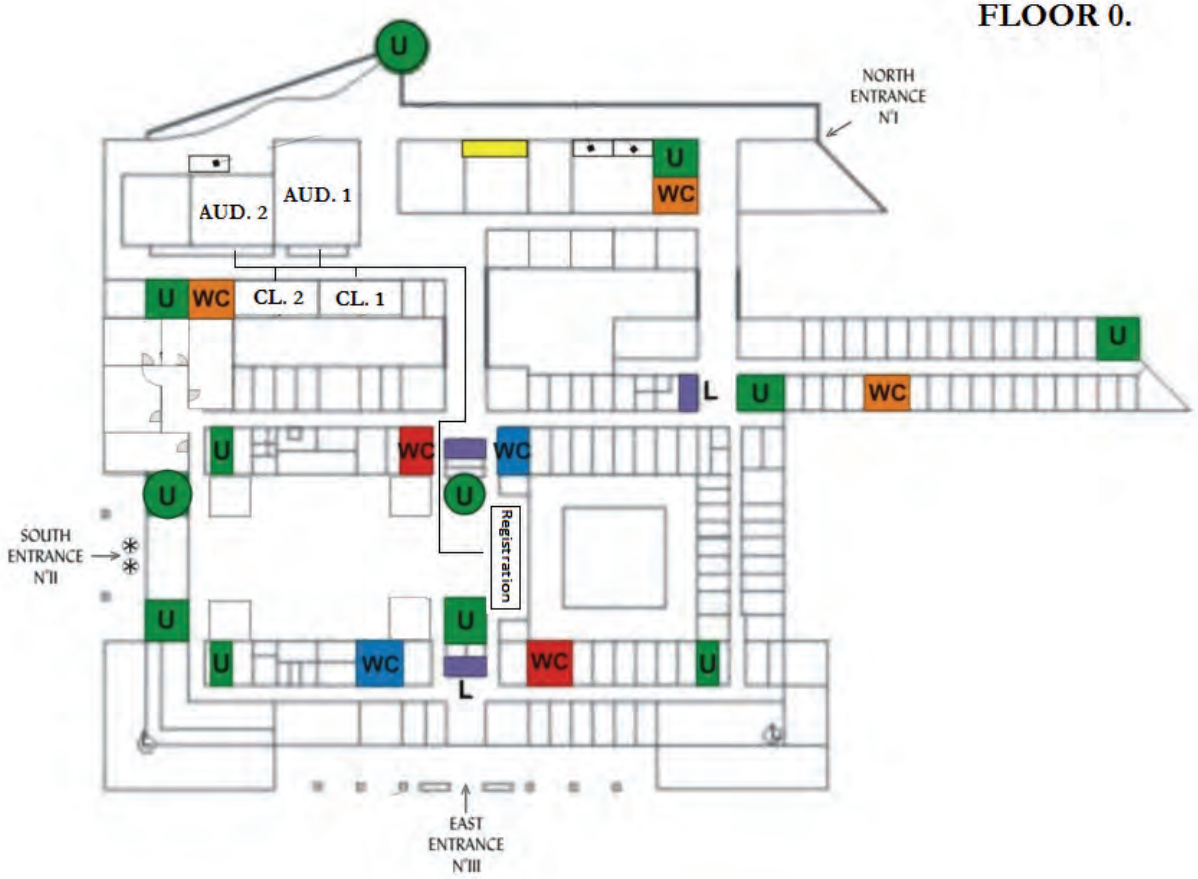
Bartók Béla út
Fehérvári út
Budafoki út
Bogdánfy u.
Goldmann György tér
Egyetemisták parkja
Pázmány Péter stny.
Budai alsó rkp.
Danube
BEAC
Infopark
Barba Negra Track
Schönherz Zoltán Kollégium
ELTE Lágymányosi Campus
ELTE TTK Természetrajzi Múzeum
Magyar Szentek temploma
Temi Fővárosi Művelődési Ház


Irinyi József utca 6-8
Goldmann György tér
Egyetemisták parkja
Egyetemváros - A38
A38 Hajó
Danube
Pázmány Péter stny.
Budai alsó rkp.
6 min
450 m
Magyar tudósok körútja
Magyarországi Egyházak Ökumenikus Tanácsa
Tata Consultancy Services Ltd...
Magyar Szentek temploma
Lágymányosi Ökumenikus Központ
Budapest Presbyterian Church
ELTE Matematikai Múzeum
Eötvös Loránd Tudományegyetem...
Eötvös Loránd Tudományegyetem Természettudományi Kar - Északi Tömb
János út
Google

FLOOR 0.



FLOOR 1.