

9th BALKAN CONGRESS OF MICROBIOLOGY
22-24 October 2015, Thessaloniki – Makedonia Palace Hotel

Thursday, October 22

15.00 Registration

Antimicrobial resistance

Chairs: **Nicolas Malisiovas** (Thessaloniki), **Sohret Aydemir** (Izmir)

16.00-16.10 **O1**; ANALYSES OF PLASMIDS HARBOURING QUINOLONE RESISTANCE DETERMINANTS IN *ENTEROBACTERIACEAE* STRAINS

B. Eraç, F. Yılmaz, İ. Öztürk, Ş. Aydemir, M. Hoşgör-Limoncu

16.10-16.20 **O2**; GENE EXPRESSION ANALYSIS OF EFFLUX PUMPS' AND OPR D PROTEIN IN HOSPITAL *PSEUDOMONAS AERUGINOSA* ISOLATES FROM PLOVDIV, BULGARIA

A. Petrova, T. Borisova, I. Stanimirova, M. Murdjeva

16.20-16.30 **O3**; CARBAPENEMASE-PRODUCING *ENTEROBACTERIACEAE* AT UNIVERSITY CLINICS IN SKOPJE

A. Kaftandjieva, E. Trajkovska-Dokic, Z. Cekovska, V. Kotevska, G. Jankoska, M. Petrovska, N. Panovski

16.30-16.40 **O4**; CARBAPENEM NONSUSCEPTIBLE BLOODSTREAM ISOLATES IN A TERTIARY CARE HOSPITAL IN MANISA, TURKEY

M.Ç Balıkcı, H. Gazi, S. Kurutepe

16.40-16.50 **O5**; INVESTIGATION OF CARBAPENEM RESISTANCE PROFILES IN *PSEUDOMONAS AERUGINOSA*

S. Bukavaz, M. Duygu Aksoy, H. Murat Tugrul

16.50-17.00 **O6**; FREQUENCY OF ENTEROBACTERIACEAE CARBAPENEMASE PRODUCER IN ALBANIA

A. Koraqi, D. Lacej, B. Arapi, V. Mano, B. Kika, E. Prifti, E. Angjeli, E. Nebiu, L. Fuga

17.00-17.30 Plenary Lecture 1

Branko Jovicic (Belgrade)

Balkan and NDM-1 endemicity: Serbian experience

17.30-18.00 Plenary Lecture 2

Lia Monica Junie (Cluj Napoca)

Molecular basis of *S. aureus* antibiotic resistance

18.00-18.30 Plenary Lecture 3

Athanasios Tsakris (Athens)

Phenotypic Strategies for the Detection and Differentiation of Carbapenemases

19.30 Opening Ceremony

Chairs: **Athanasios Tsakris** (Athens), **Angel Galabov** (Sofia)

20.00-20.30 Opening Lecture
Jean-Claude Piffaretti – President of F.E.M.S.
Antibiotic resistance: a perspective on the future

20.30 Cocktail (Makedonia Palace – Roof)

| |
|---------------------------|
| Friday, October 23 |
|---------------------------|

Bacteriology

Chairs: **Evangelos Anastassiou** (Patras), **Milena Petrovska** (Skopje)

09.00-09.10 **O7**; FIRST ISOLATION OF *BACILLUS SIMPLEX* FROM THE CULTURED GILTHEAD SEABREAM (*SPARUS AURATA*) IN TURKEY
J. Korun, M. Gökoğlu, M. Yılmaz, S. Yağmur Bulguroğlu

09.10-09.20 **O8**; CLONAL DISSEMINATION OF *PROTEUS MIRABILIS*, CARRYING BLAVIM-1, LOCATED IN CLASS 1 INTEGRON, IN BULGARIA
R. Markovska, D. Ivanova, M. Lesseva, E. Keuleyan, T. Stoeva, P. Stankova, V. Popova, I. Mitov

09.20-09.30 **O9**; INFLUENCE OF DIFFERENT FACTORS ON BIOFILM FORMATION BY *STENOTROPHOMONAS MALTOPHILIA* CLINICAL ISOLATES
H. Madi, B. Jovčić, Z. Vasiljević, M. Kojić, J. Lozo

09.30-09.40 **O10**; GENETIC DIVERSITY AND ANTIBIOTIC SUSCEPTIBILITY OF *BACILLUS* sp. SOIL, MANURE AND STRAW ISOLATES FROM SERBIA
M. Biočanin, J. Lozo, S. Stanković, I. Dimkić, D. Šević, D. Fira, T. Berić

09.40-09.50 **O11**; ANTIBIOTIC THERAPY OF INFECTIONS IN SURGICAL PATIENTS – A ROOM FOR IMPROVEMENT
E. Keuleyan, St. Petrov, Il. Batashki, B. Moshev, Sh. Tete, Il. Lozev, D. Panayotova

09.50-10.00 **O12**; INCREASING AWARENESS FOR *CLOSTRIDIUM DIFFICILE* INFECTION AT THE UNIVERSITY CLINICS “MOTHER TERESA”
E. Trajkovska-Dokic, K. Mihajlov, A. Blazevska, N. Jankulovski

10.00-10.10 **O13**; *UREAPLASMA UREALYTICUM* AND *MYCOPLASMA HOMINIS* STRAINS FROM SYMPTOMATIC PATIENTS DISPLAY DECREASED SUSCEPTIBILITY TO QUINOLONES
S. Baka, E. Saltaoura, I. Tsouma, S. Karkatzouli, V. Gennimata, A. Chasiakou, E. Kouskouni

10.10-10.20 **O14**; VARIABILITY AND DIVERSITY OF NASOPHARYNGEAL MICROBIOME IN A POPULATION IN NORTH GREECE: A METAGENOMIC ANALYSIS
P. Siasios, A. Mellidou, N. Malisiovas, G. Gioula

10.20-10.30 **O15**; DETECTION AND IDENTIFICATION OF MYCOBACTERIUM PARATUBERCULOSIS IN MOUFLONS FROM BULGARIA

V. Valcheva, T. Savova-Lalkovska, R. Petrova, M. Bonovska, H. Najdenski, A. Trifonova

10.30-10.40 **O16**; RAPID DETECTION OF BACTERIAL AND FUNGAL PATHOGENS USING A COMMERCIAL MULTIPLEX REAL-TIME PCR (LIGHTCYCLER SEPTIFAST ASSAY) IN SAMPLES OTHER THAN BLOOD

G. Vrioni, V. Pitiriga, K. Theodoridou, C. Tsiamis, A. Stavropoulou, I. Pournou, S. Pournaras, A. Tsakris

10.40-10.50 **O17**; MULTIPLEX BLOOD PCR FOR RAPID DETECTION OF BACTERIAL AND FUNGAL MULTI-PATHOGENS IN PATIENTS WITH PRESUMED SEPSIS

G. Vrioni, V. Pitiriga, K. Theodoridou, A. Stavropoulou, I. Pournou, S. Pournaras, A. Tsakris

10.50-11.00 **O18**; RESISTANCE TO ANTIBIOTICS OF STAPHYLOCOCCUS STRAINS ISOLATED FROM HOSPITALIZED PATIENTS

L.M. Junie, L.M. Simon, S.L. Pandrea

11.00-11.30 Plenary Lecture 4

Denada Lacej (Tirana)

Salmonella as a real and potential zoonotic infection

11.30-12.00 Coffee Break

Immunology - Vaccines

Chairs: **Marianna Murdjeva** (Plovdiv), **Gabriel Ionescu** (Bucharest)

12.00-12.30 Plenary Lecture 5

Marianna Murdjeva (Plovdiv)

Microbiological and immunological aspects of autism

12.30-13.00 Plenary Lecture 6

Gabriel Ionescu (Bucharest)

Are adverse events following immunization a real obstacle for acceptance of vaccination?

13.00-13.30 Plenary Lecture 7

Alexandra-Maria Născuțiu (Bucharest)

The road to non-typhoidal *Salmonella* Vaccine—Hurdles, challenges, perspectives. Review

13.30-13.40 **O 19**; MOLECULAR TYPING OF THE *BORDETELLA PERTUSSIS* VACCINE STRAINS AND ISOLATES CIRCULATING IN SERBIA BETWEEN 1953 AND 2011

T. Pljesa, Q. He, G.a Dakic, I. Cirkovic

13.40-13.50 **O 20**; CREDIBILITY OF LABORATORY RESULTS AS A PRODUCT OF LABORATORY STANDARDIZATION, REGULAR PARTICIPATION IN PROFICIENCY TESTING AND INTERLABORATORY

COMPARISON OF RESULTS: AN EXAMPLE OF HUMAN RABIES
IMMUNOGLOBULIN POTENCY TESTING BY THE RAPID FLUORESCENT
FOCUS INHIBITION TEST

S. Stankov, N. Vranješ, V. Simin, D. Vujin, D. Lalošević

13.50-14.00 **O21**; SEROLOGIC IMMUNE RESPONSE TO COMMON
RESPIRATORY PATHOGENS, ANNUAL SURVEY

**T. Grdanoska, K. Mihalov, Z. Cekovska, V. Kotevska, G. Jankoska,
M. Petrovska, I. Kondova, N. Panovski**

14.00-15.30 Break

Virology

Chairs: **Anna Papa** (Thessaloniki), **Hari Polenakovik** (Dayton, OH; Skopje)

15.30-16.00 Plenary Lecture 8

Anna Papa (Thessaloniki)

Emerging viruses in the Balkans

16.00-16.30 Plenary Lecture 9

Mehmet Ali Oktem (Izmir)

Epidemiology of hantavirus infections among rodents in Thrace Region, Turkey

16.30-17.00 Plenary Lecture 10

Hari M. Polenakovik (Dayton, OH; Skopje)

Antivirals for Hepatitis C in the clinical practice

17.00-17.30 Coffee break

17.30-17.40 **O 22**; DISTRIBUTION OF HCV GENOTYPES AMONG PATIENTS
IN N. GREECE DURING 2009-2014

G. Gioula, D. Mougou, M. Exindari, A. Melidou, E. Orfanou

17.40-17.50 **O23**; THE BURDEN OF INFLUENZA, RS AND HMP VIRAL
INFECTIONS IN CHILDREN 0-6 YEARS OLD DURING 2013-2014 IN
NORTHERN GREECE.

A. Melidou, G. Gioula, M. Exindari, S. Koutrenis, N. Malisiovas

17.50-18.00 **O24**; CORE GENOMIC MUTATIONS AND IL28B
POLYMORPHISM PREDICT THE TREATMENT OUTCOME IN PATIENTS
WITH HEPATITIS C

C. Sultana, G. Opreșan, S. Dinu, M. Delia Teleman,

A. Rosca, C. Oprea, E. Ceausu, S. Ruta

18.00-18.10 **O25**; VIRAL HEMORRHAGIC FEVERS IN BULGARIA –
PREVALENCE AND DISTRIBUTION

I. Christova, E. Panayotova, I. Trifonova, T. Gladnishka

18.10-18.20 **O26**; COMPLETE GENOME SEQUENCE ANALYSIS OF TWO
PSEUDORABIES VIRUS STRAINS THAT WERE ISOLATED IN NORTHERN
GREECE

K. Papageorgiou, N. Suarez, G. Wilkie, G. Filioussis, D. Papadopoulos,

A. Davison, N. Papaioannou, H. Nauwynck, S. Kritas

18.20-18.30 **O27**; VARICELLA OUTBREAKS IN ALBANIA

Saturday, October 24

Drugs

Chairs: **Zeynep Çiğdem Kayacan** (Istanbul), **Jelena Beogović** (Belgrade)

08.30-08.40 **O28**; TIDEGLUSIB PROTECTS NEURAL STEM CELLS AGAINST NMDA RECEPTOR OVERACTIVATION

T. Dagci, G. Armagan, C. Atalayin

08.40-08.50 **O29**; ANTIMICROBIAL ACTIVITIES OF NEWLY DEVELOPED FORMULATIONS OF NETILMICIN

A. Yurdasiper, M. Arıcı, O. Yılmaz, B. Eraç, M. Hoşgör-Limoncu, Ş. Aydemir, N. Özsan, H. Pullukçu, F. Bacakoğlu, M. Özyazıcı

08.50-09.00 **O30**; DESIGN, SYNTHESIS AND BIOLOGICAL EVALUATION OF NEW SUBSTITUTED 5-BENZYLIDENO-2-ADAMANTYLTHIAZOL[3,2-B][1,2,4]TRIAZOL-6(5H)ONES

A. Papisva, A. Geronikaki, Ch. Kamoutsis, A. Ćirić, J. Glamočlija, M. Soković, P. Zoumpoulakis

09.00-09.10 **O31**; EFFECT OF A TRIPLE COMBINATION OF PLECONARIL, MDL-860 AND OXOGLAUCINE ADMINISTERED BY CONSECUTIVE ALTERNATING TREATMENT SCHEME AGAINST COXSACKIEVIRUS B1 NEUROINFECTION IN MICE

A. Stoyanova, I. Nikolova, G. Puerstinger, G. Dobrikov, V. Dimitrov, S. Philipov, A.S. Galabov

09.10-09.20 **O32**; OSELTAMIVIR AND VITAMIN E - A LIVER PROTECTIVE COMBINATION AGAINST INFLUENZA VIRUS INFECTION IN MICE

M. Mileva, D. Krustev, A. Alexandrova, E. Tzvetanova, G. Gegova, A.S. Galabov

09.20-09.30 **O33**; PHENOLIC PROFILE ANALYZES AND IN SITU EXAMINATION OF ANTIMICROBIAL ACTIVITY OF RESINS FROM BUDS OF WOODY PLANTS

T. Janakiev, I. Dimkić, P. Ristivojević, J. Trifković, D. Opsenica-Milojković, T. Berić, S. Stanković

09.30-10.00 Plenary Lecture 11

Angel Galabov (Sofia)

Consecutive Alternating Administration of Triple Combinations of Antivirals on Enteroviruses

10.00-10.30 Plenary Lecture 12

Vaso Taleski (Sthip)

Potential application of silver nanoparticles coatings as antimicrobials

10.30-11.00 Plenary Lecture 13

Lidija Senerovic (Belgrade)

Opportunities for therapeutic application of undecylprodigiosin

11.00-11.30 Coffee Break

Food Microbiology-Parasitology - Mycology

Chairs: **Dragojlo Obradovic** (Belgrade), **Galina Satchanska** (Sofia)

11.30-12.00 Plenary Lecture 14

Radin Dragoslava (Belgrade)

Transmission of foodborne viruses during food handling

12.00-12.10 **O34**; ANTIBACTERIAL AND ANTIFUNGAL ACTIVITY OF PROVIOTIC®

R. Tropcheva, Y. Evstatieva, D. Nikolova, S. Danova, S. Saeva-Kondratenko, P. Petkov, K. Petkov

12.10-12.20 **O35**; EFFECT OF *LACTOCOCCUS LACTIS* BGBU1-4 AND *LACTOBACILLUS SALIVARIUS* BGHO1 IN *LISTERIA MONOCYTOGENES* ATCC19111 INFECTED RATS

J. Lukic, N. Mirkovic, I. Jancic, B. Bufan, M. Milenkovic, P. Milosavljevic, M. Kojic, J. Begovic, J. Lozo

12.20-12.30 **O36**; ACTIVE TOXOCARIASIS: NEED OF HARMONIZATION OF SEROLOGICAL DIAGNOSTICS AND THERAPY

D. Lalosevic, V. Lalosevic, V. Simin, D. Mijatovic, N. Tasic, L. Kuruca, S. Simin

12.30-12.40 **O37**; VIABILITY OF PATHOGENIC MICROORGANISMS IN OSMOTIC SOLUTIONS AS ASSESMENT OF OSMOTIC DEHYDRATION PROCESS SAFETY

I. Filipović, K. Mihajlović

12.40-12.50 **O38**; LACTOCOCCAL PROTEINASE PRTP ENHANCES ANTILISTERIC ACTIVITY OF ENTEROCINS FROM DIFFERENT NICHES

G. Vukotic, N. Mirkovic, B. Jovcic, I. Strahinic, D. Fira, Z. Radulovic, K. Veljović, M. Kojic

12.50-13.00 **O39**; MICROFLORA COUNT AND BIOCHEMICAL ANALYSIS OF LACTIC ACID BACTERIA IN SAMPLES OF SIX TOP BRANDS OF YOGURT

G. Satchanska, V. Ahad, N. Dimov, A. Tomov, A. Doycheva

13.00-13.10 **O40**; ANTIBIOTIC RESISTANCE AND ESBL PHENOTYPES OF GRAM-NEGATIVE BACTERIA ISOLATED FROM MILK

P. Gousia, S. Petsios, H. Sakkas, V. Economou, C. Papadopoulou

13.10-13.20 **O 41**; DEVELOPMENT OF A REAL TIME PCR METHOD FOR THE DETECTION AND ENUMERATION OF PATHOGENIC *VIBRIO PARAHAEMOLYTICUS*

V. Economou, C. Dovas, T. Chassalevris, N. Soultos

13.20-13.30 **O42**; ZOONOTIC POTENTIAL OF E.COLI TO CAUSE URINARY TRACT INFECTION IN HUMANS

D. Lacey, A. Koraqi, R. Skendaj, L. Fuga

13.30-13.40; **O43**; SEROPREVALENCE OF *COXIELLA BURNETII* IN SHEEP AND GOAT WITH HISTORY OF REPRODUCTIVE DISORDERS IN GREECE

G. Filioussis, A. Theodoridis, D. Papadopoulos, S. Vouraki, G. Arsenos

13.40-13.50 **O44**; INVASIVE ASPERGILLOSIS AND HEMATOLOGICAL MALIGNANCIES: COMPARISON OF GALACTOMANNAN ANTIGEN AND REAL-TIME PCR DETECTION

G. Vrioni, K. Theodoridou, M. Mavrouli, C. Tsiamis, E. Dimitroulia, A. Tsakris

13.50-15.00 Break

Environmental Microbiology

Ghairs: **Hristo Najdenski** (Sofia), **Branka Vaciljevic** (Belgrade)

15.00-15.30 Plenary Lecture 15

Hristo Najdenski (Sofia)

Migrating birds as carriers of Zoonotic pathogens

15.30-16.00 Plenary Lecture 16

Stoyan Groudev (Sofia)

Biohydrometallurgy achievements and perspectives

16.00-16.10 **O45**; BATHING WATER QUALITY IN ALBANIA DURING 2013

O. PETRI, V. BARA, A. LUZATI, B. AGOLLI, R. JAUPLLARI, A. KOKALI,

B. KIKA, L. FUGA

16.10-16.20 **O46**; MATHEMATICAL MODELLING OF ANAEROBIC DIGESTION WITH HYDROGEN AND METHANE PRODUCTION

M. Borisov, N. Dimitrova, I. Simeonov

16.20-16.30 **O47**; MICROBIAL ACTIVITY IN THE SOIL UNDER THE ORGANIC AND CONVENTIONAL BEAN PRODUCTION

S. Djuric, M. Vasic, T. Hajnal-Jafari, D. Stamenov, B. Petrović

16.30-16.40 **O48**; GENERATION OF ELECTRICITY BY MICROBIAL FUEL CELL USING BACTERIA FROM DIFFERENT PHYSIOLOGICAL GROUPS

V. Groudeva, R. Ilieva, M. Iliev, S. Groudev

16.40-16.50 **O49**; THE EFFECTS OF FLOODING ON MICROBIOLOGICAL QUALITY AND GENOTOXIC POTENTIAL OF THE SAVA RIVER

J. Kostić, S. Kolarević, M. Kračun-Kolarević, M. Aborgiba,

J. Knežević-Vukčević, Z. Gačić, M. Lenhardt, B. Vuković-Gačić

16.50-17.00 **O50**; PHOTOBIOREACTOR SYSTEM FOR CO₂ SEQUESTRATION FROM BIOGAS-MODELING AND EXPERIMENTAL VERIFICATION

Alexander Dimitrov Kroumov, Gacheva G. V., Pilarski P. S.

17.00-17.30 Next congress, Farewell address