



International Conference on Antimicrobial Research

1- 3 October 2014 Madrid, Spain



PROGRAM OUTLINE

- The conference presentations will start on Wednesday 1 October at 11:00, although there will be a registration period from 9:00 to 11:00 in the morning. The Conference will finish on Friday 3 October around 17:15. In any case, attendees will be able to pick up the conference materials at the registration desk at any time during the conference. The conference/registration desk will be placed at the main Hall on the 1st floor of the central block at the conference venue (Faculty of Medicine- Complutense University of Madrid)
- Oral presentations will take place according to the following general structure in two different halls at the conference venue (Faculty of Medicine- Complutense University of Madrid):

Hall 1: "Ramon y Cajal" lecture theatre (Gran Anfiteatro "Ramon y Cajal"). It is on the 2nd floor of the central block at the conference venue

Hall 2: "Profesor Botella" room (Sala "Profesor Botella") It is on the 1st floor of the central block at the conference venue

ORAL PRESENTATIONS SCHEDULE			
	WEDNESDAY, 1 OCTOBER 2014	THURSDAY, 2 OCTOBER 2014	FRIDAY, 3 OCTOBER 2014
HALL 1	Clinical and medical microbiology, infectious diseases and antimicrobials. Public health. Strengthening of innate immune system as antimicrobial strategy	Antimicrobial chemistry Antimicrobial natural products. I: Peptides	Antimicrobial natural products II: Terrestrial and marine organisms. Biocontrol. Biosynthesis of antimicrobials
HALL 2	Biofilms Bacteriophages	Antimicrobial materials science and surface chemistry. Antimicrobials in consumer products Techniques and Methods Antimicrobial physics	Antimicrobial resistance - Mechanisms of action of antimicrobial agents. Attenuation of virulence as antimicrobial strategy

- There will be 5 poster sessions at Main Hall on the 1st floor of the central block at the conference venue (Faculty of Medicine- Complutense University of Madrid), according the following schedule:

POSTER PRESENTATIONS SCHEDULE		
Day	Time	Sessions
Wednesday, 1 October	From 16:30 to 17:45	<ul style="list-style-type: none"> • Clinical and medical microbiology, infectious diseases and antimicrobials. Public health. Strengthening of innate immune system as antimicrobial strategy • Biofilms • Bacteriophages
Thursday, 2 October	From 10:45 to 11:30	<ul style="list-style-type: none"> • Antimicrobial materials science and surface chemistry. Antimicrobials in consumer products
	From 17:00 to 17:45	<ul style="list-style-type: none"> • Techniques and Methods • Antimicrobial physics. Biocides • Antimicrobial chemistry • Antimicrobial natural products. I: Peptides
Friday, 3 October	From 10:45 to 11:30	<ul style="list-style-type: none"> • Antimicrobial natural products II: Terrestrial and marine organisms.
	From 16:30 to 17:15	<ul style="list-style-type: none"> • Biocontrol. Biosynthesis of antimicrobials • Antimicrobial resistance - Mechanisms of action of antimicrobial agents. Attenuation of virulence as antimicrobial strategy

Posters are expected to be posted during the whole day assigned from 9:00 AM to 19:00 PM (approximately). Presenters are expected to be available for discussion of their posters during the corresponding sessions.

**III International Conference on Antimicrobial Research – ICAR2014
Madrid (Spain), 1-3 October 2014**

9:00-11:00	WEDNESDAY, 1 OCTOBER 2014 – MAIN HALL REGISTRATION & COFFEE (Registration can also be done at any time during the Conference)
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ORAL PRESENTATIONS

WEDNESDAY, 1 OCTOBER 2014 - (HALL 1)

Clinical and medical microbiology, infectious diseases and antimicrobials. Public health.
Strengthening of innate immune system as antimicrobial strategy

Chair: Dr. Lucio Lombardo (Hospital Umberto I of Torino, Italy)

11:00-11:30	Keynote lecture: Rapid Detection and Identification of Microbial Agents Prof. Ali Karami (Research Center of Molecular Biology, Baqiyatallah University of Medical Sciences, Iran)
11:30-11:45	<i>Helicobacter pylori</i>-targeted biomaterials to prevent gastric cancer Inês Gonçalves
11:45-12:00	<i>Pseudomonas aeruginosa</i> diversification at early infection stages in cystic fibrosis lungs Ana Margarida Sousa
12:00-12:15	<i>In vitro</i> and <i>in vivo</i> analyses of the antipsychotic phenothiazine compound triflupromazine as an antimicrobial agent Shauroseni Palchoudhuri
12:15-12:30	Isolation of clinical strains of <i>Staphylococcus epidermidis</i> from a Portuguese hospital and assessment of their relationship between biofilm formation capacity and antimicrobial resistance Ana Isabel da Costa Freitas
12:30-12:45	Characterization of clinical methicillin sensitive <i>Staphylococcus aureus</i> isolates with reduced susceptibility to chlorhexidine Leila Vali
12:45-13:00	Prevalence and genetic relatedness of ESBL-producing <i>E. coli</i> from pig holdings and humans in the Dutch-German border region Silvia García Cobos
13:00-13:15	Retreatment of relapsing small intestinal bacterial overgrowth with Rifaximin polymorph α is effective and safe Lucio Lombardo
13:15-14:45	LUNCH BREAK (Buffet - Main Hall)

Chair: Prof. Alex Broom (University of Queensland, Australia)

14:45-15:00	Why are we unable to change antibiotic prescribing over time? A sociological analysis of the factors underpinning antibiotic use hospitals Alex Broom, Emma Kirby
15:00-15:15	Efficient national surveillance for healthcare-associated infections Bram van Bunnik
15:15-15:30	Use of computer tool in antibiotic prescription Giuseppe Friscia
15:30-15:45	Beyond infectious diseases: impact of antibiotic use on the changing trend of esophageal adenocarcinoma Zhiheng Pei
15:45-16:00	Study of Antimicrobial resistance pattern among pediatric patients in emergency department (PED) in an Egyptian hospital- A step forward to start antimicrobial stewardship program Mona Mohiedden Abdelhalim Hussein
16:00-16:15	Microbiological analysis of bacterial and fungal Late onset sepsis in Neonatal Intensive Care Unit Cairo University- Egypt Mona Mohiedden Abdelhalim Hussein
16:15-16:30	Virulence genes distribution and antibiotic resistance patterns of <i>Escherichia coli</i> strains isolated from patients with community acquired urinary tract infections in central Mexico Teresa Estrada-Garcia
16:30-17:45	POSTER SESSION & COFFEE BREAK (Main Hall)
<p align="center">Chair: Prof. Akinori Takaoka (Hokkaido University, Japan)</p>	
17:45-18:00	Direct and indirect roles of RIG-I for antiviral defense against hepatitis B virus in human hepatocytes Akinori Takaoka
18:00-18:15	Vitamin D: the foundation of Human Innate Immunity Ashok Kapse
18:15-18:30	Vaginal levels of lactic acid and NGAL in vulvovaginal candidiasis and bacterial vaginosis: Are they responsible for the different immune responses? Joziani Beghini, Paulo Giraldo
18:30-18:45	Experimental evaluation of the action of antihistaminic drug methidiazine singly and in combination against <i>Mycobacterium tuberculosis</i> Sujata Ghosh Dastidar
18:45-19:00	Laboratory diagnosis of purulent otitis by analysing enzyme activity of blood serum for the ability to destroy peptidoglycan Viktoryia Ziamko
19:00-19:15	Management of Chronic Periodontitis using Metronidazole local drug delivery device as an adjunct to subgingival debridement: A clinical, microbiological & molecular study Sangeeta Singh

19:15-19:30	Antimicrobial Photodynamic Therapy: From Bench to Bedside and Vice Versa Tak-Wah Wong
19:30-19:45	Characterisation of anti-bacterial factors in marine fish blood by cell-based assay and by proteomic approach Miao Dong

WEDNESDAY, 1 OCTOBER 2014 (HALL 2)

Biofilms

Chair: Prof. Dirk Linke (University of Oslo, Norway)

11:30-11:45	Trimeric Autotransporter Adhesins (TAAs) and strategies for their inhibition Dirk Linke
11:45-12:00	Bacterial Surface Sensing: Proteome and subsequent Virulence of bacteria depend on inorganic surface properties Jerome Bruzaud
12:00-12:15	Polymicrobial biofilms in cystic fibrosis – the role of atypical bacteria in the consortia and impact in antibiotic treatment Susana Lopes
12:15-12:30	Anti-biofilm peptide combinations against <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> Paula Jorge
12:30-12:45	Antimicrobials in salivary concentration modify oral multispecies biofilm Antonio Pedro Ricomini Filho
12:45-13:00	Crowning, novel <i>Escherichia coli</i> colonizing behaviour: implications for the development of new anti-biofilms formation drugs José María Gómez Gómez
13:00-13:15	Chitosan effect upon biofilm formation of multiresistant <i>Staphylococcus aureus</i> strains Eduardo Costa
13:15-14:45	LUNCH BREAK (Buffet - Main Hall)
Chair: Prof. Katsutoshi Hori (Nagoya University, Japan)	
14:45-15:00	Adhesion property of the highly adhesive bacterium <i>Acinetobacter</i> sp. Tol 5 mediated by a new trimeric autotransporter adhesin Katsutoshi Hori
15:00-15:15	Regulatory Role of GntR type Transcriptional Factor LutR in Biofilm Formation of <i>Bacillus subtilis</i> Ayten Karatas
15:15-15:30	Medical biofilms easily simulated in 96-well microtiter plates Luciana Calheiros Gomes
15:30-15:45	Conventional antibiotics in form of nanospheres prevent biofilm formation and provide infection control Margarida Fernandes
15:45-16:00	Current approaches to reduction marine biofilm formation Todorka Vladkova
16:00-16:15	Analysis of Activity of Blood Serum and IgG for the Ability to Destroy Biofilms microorganisms Viktoryia Ziamko

16:15-16:30	Withdrawn
16:30-17:45	POSTER SESSION & COFFEE BREAK (Main Hall)
Bacteriophages	
Chair: Dr. Yves Briers (University of Leuven, Belgium)	
17:45-18:30	Keynote lecture: Artilynsins are a novel class of enzyme-based antibacterials that quickly kill (multidrug-resistant) <i>Pseudomonas aeruginosa</i> and their persisters: from concept to application Dr. Yves Briers (University of Leuven, Belgium) and Dr. Stefan Miller (Lisando GmbH, Germany)
18:30-18:45	Antibacterial target discovery: Lessons learned from bacteriophages An Van den Bossche
18:45-19:00	The past, present and future of phage therapy: experience of the Eliava Institute Marina Tediashvili
19:00-19:15	Membrane fusion in the final step of phage lysis Ry Young

THURSDAY, 2 OCTOBER 2014 (HALL 1)

Antimicrobial chemistry	
Chair: Prof. Xinyong Liu (Shandong University, China)	
09:00-09:15	Design, Synthesis and Anti-HIV Evaluation of Novel DAPY Derivates Targeting an Additional Tolerant Region II in The NNRTI Binding Pocket Xinyong Liu
09:15-09:30	Antimicrobial activity of newly synthesized indolizidines Petra Olejníková
09:30-09:45	Evaluation of antimicrobial efficiency of new polymers Apostolos Vantarakis
09:45-10:00	From azoloquinolones to azoloquinolones through selenadiazoloquinolones Viktor Milata
10:00-10:15	Fluoroquinolone-metal complexes: a route to counteract bacterial resistance? Paula Gameiro
10:15-10:30	Plant systemic acquired resistance inducers – salt derivatives of benzo[1,2,3]thiadiazole-7-carbothioic acid, S-methyl ester (BTH) as bifunctional ionic liquids Marcin Smiglak
10:30-10:45	Withdrawn
10:45-11:30	POSTER SESSION & COFFEE BREAK (Main Hall)
Chair: Dr. Goutam Gupta (Los Alamos National Laboratory, USA)	
11:30-11:45	Design and synthesis of antimicrobial cyclic lipopeptides Marta Planas Grabuleda
11:45-12:00	Design and synthesis of antimicrobial peptidotriazoles Lidia Feliu Soley
12:00-12:15	Naturally occurring and synthetic derived catechins induce membrane alterations and reduce MRSA phenotype Enrique Barrajón Catalán
12:15-12:30	Probing the mechanisms of pyoverdine recognition by the FpvA receptor using molecular simulations Benjamin Bouvier
12:30-12:45	Pyoverdine analogues: design, chelating properties and molecular recognition Christine Cezard
12:45-13:00	Stilbene inclusion complexes as a natural-based strategy with improved anti-<i>Campylobacter</i> activity Filomena Silva
13:00-13:15	DNA aptamers blocking activity botulinum toxin type A Igor Shemyakin
13:15-13:30	Antimicrobial activity and cytotoxicity of novel eugenol derivatives Rafael Lund

13:30-15:00	LUNCH BREAK (Buffet - Main Hall)
Antimicrobial natural products. I: Peptides	
Chair: Dr. Martin Held (D-BSSE / ETH, Switzerland)	
15:00-15:15	High throughput activity screening of secreted peptides Martin Held
15:15-15:30	The X marks the spot: investigations on the site of action of a cyclic antimicrobial peptide Kathi Scheinpflug
15:30-15:45	Honey glycoproteins containing antimicrobial peptides, Jelleins of the Major Royal Jelly Protein 1, are responsible for the lytic and bactericidal activities of honeys Katrina Brudzynski, Calvin Sjaarda
15:45-16:00	A novel natural product, humidimycin (MDN-0010), that potentiates the antifungal activity of caspofungin and itraconazole Francisca Vicente
16:00-16:15	<i>Mytilus galloprovincialis</i> immunity and Myticin C Marco Franzoi
16:15-16:30	Cathelicidins in the Tasmanian devil (<i>Sarcophilus harrissii</i>) Katherine Belov
16:30-16:45	Chemistry and antimicrobial potential of BuMAP-34, a novel buffalo myeloid cathelicidin Varuna P. Panicker, Sisilamma George
16:45-17:00	S20 - a synthetic peptide - as an antimicrobial and anticancerous agent Varuna P. Panicker, Sisilamma George
17:00-17:45	POSTER SESSION & COFFEE BREAK (Main Hall)
Chair: Prof. Maria Luisa Mangoni (La Sapienza University of Rome, Italy)	
17:45-18:00	A frog skin-derived antimicrobial peptide against <i>Pseudomonas aeruginosa</i>-induced infections Maria Luisa Mangoni
18:00-18:15	Antimicrobial combination therapies: a network perspective Paula Jorge
18:15-18:30	Interaction of OP-145, a derivative of human cathelicidin LL-37, with bacterial plasma membrane and cell wall components: impact of secondary structure and aggregation status Nermina Malanovic
18:30-18:45	Mechanism of LL-37 pore formation Enea Sancho-Vaello
18:45-19:00	The impact of hLF1-11 antimicrobial peptide immobilization on its antimicrobial activity Fabiola Costa

19:00-19:15	Salivary gland cells transcriptome of a medicinal leech Vassili Lazarev
19:15-19:30	Application of lactoferricin B to control microbial spoilage in cold stored fresh foods Laura Quintieri
19:30-19:45	Genome mining of beneficial soil bacteria for novel antimicrobials and enzymes Victor J Carrión
19:45-20:00	Antimicrobial properties of membrane-active dodecapeptides derived from MSI-78 Claudia Monteiro

THURSDAY, 2 OCTOBER 2014 (HALL 2)

Antimicrobial materials science and surface chemistry. Antimicrobials in consumer products

Chair: Prof. Mark Willcox (University of New South Wales, Australia)

09:00-09:15	Human clinical testing of antimicrobial contact lenses Mark Willcox
09:15-09:30	A new highly antimicrobial bio-inspired protein-based polymer designed for medical devices André da Costa
09:30-09:45	Inhibition of in vivo microbial colonisation of biomaterials based on cationic peptide Melimine Ren Chen
09:45-10:00	Enzyme multilayer coatings inhibit quorum sensing-regulated <i>Pseudomonas aeruginosa</i> biofilm formation on silicone urinary catheters Kristina Ivanova
10:00-10:15	Development of durable antimicrobial textiles for health care and sports applications using <i>N</i>-halamine Chemistry Subhas Ghosh
10:15-10:30	From mono-functional enzymatic coatings to bi-functional coatings to impair <i>Staphylococci</i> adhesion Diana Filipa Barros Alves
10:30-10:45	An alginate lyase functional coating catalysis-independent to prevent <i>P. aeruginosa</i> adhesion Diana Filipa Barros Alves
10:45-11:30	POSTER SESSION & COFFEE BREAK (Main Hall)
Chair: Dr. Raechelle D'Sa (University of Liverpool, United Kingdom)	
11:30-11:45	Recognition and selective bacterial adhesion on porous polymer films Juan Rodriguez-Hernandez
11:45-12:00	Multigradient porous surfaces for bacterial removal: role of the pore size and pore chemistry Juan Rodriguez-Hernandez
12:00-12:15	Antibacterial and fungicidal plastics by dendritic hyperbranched polymer-copper-hybrids Christoph Gneupel
12:15-12:30	Study of molecular parameters of polysaccharide layer on surface antiadhesive properties Pascal Thebault
12:30-12:45	Characterization and mitigation of fungal growth on polymer coated building materials Nicole Pianegonda
12:45-13:00	Facile immobilization of enzymes on electrospun nanofibrous membranes William Cloete

13:00-13:15	Preventing bacteria spread using the photodynamic effect in polymer-coated antimicrobial surfaces Ariane Felgenträger
13:15-13:30	Photoinactivation with fullerenes Kyle Moor
13:30-15:00	LUNCH BREAK (Buffet - Main Hall)
Techniques and Methods	
Chair: Dr. Laurence Lins (Gembloux Agro-Bio Tech - University of Liege, Belgium)	
15:00-15:15	Complementary biophysical tools to investigate lipid specificity in the interaction between bioactive molecules and the plasma membrane Magali Deleu, Laurence Lins
15:15-15:30	Diffusion, Bioavailability and Reactivity of Antibiotics against <i>Staphylococcus aureus</i> Biofilms: a New Approach by Dynamic Fluorescence Imaging Karine Steenkeste
15:30-15:45	Discrimination of <i>Escherichia (E.) coli</i> outer membrane mimetic systems by ATR-FTIR spectroscopy Maria Feio
15:45-16:00	Tools of testing efficacy of photodynamic inactivation to pathogenic microorganisms <i>in vitro</i> and <i>ex vivo</i> Helena Bujdakova
16:00-16:15	Insight into mechanistic aspect of photodynamic inactivation of <i>Candida albicans</i> Aleksandra Taraszkiewicz
16:15-16:30	Phototherapy - A possibility in daily oral care? Nadja Bjurshammar
16:30-16:45	The value of morphological characterisation of bacterial colonies in microbial diagnosis and clinical decision-making Ana Margarida Sousa
16:45-17:00	Antimicrobial efficacy gaseous ozone on berries and baby leaf vegetables Silvia de Candia
17:00-17:45	POSTER SESSION & COFFEE BREAK (Main Hall)
Antimicrobial physics	
Chair: Dr. Tim Maisch (University Medical Center Regensburg, Germany)	
17:45-18:00	Vitamins fight back – fast and effective killing of multiresistant bacteria by light activation of Vitamin B2 derivatives Tim Maisch
18:00-18:15	Fast and effective killing of <i>Bacillus atrophaeus</i> endospores by light-activated vitamin B2 derivatives Tim Maisch

18:15-18:30	What are we really seeing? Investigating the relevance of traditional antimicrobial assays for nanomaterials Kate Sheehy
18:30-18:45	Antibacterial activity of silver nanoparticles: sensitivity of different <i>Salmonella</i> serovars Carmen Losasso
18:45-19:00	Combined effects of temperature and electro-activated solutions on inactivation of spores of the <i>Clostridium sporogenes</i> and <i>Geobacillus stearothermophilus</i> in pea and corn purees Viacheslav Liato
19:00-19:15	Inactivation of <i>Candida albicans</i> by cold atmospheric plasma jet Aline Chiodi Borges

FRIDAY, 3 OCTOBER 2014 (HALL 1)

Biocontrol. Biosynthesis of antimicrobials
Antimicrobial natural products II: Terrestrial and marine organisms

Chair: Prof. Oleg Reva (University of Pretoria, South Africa)

09:00-09:15	Analysis of the complete genome sequence of batumin producing strain <i>Pseudomonas batumici</i> UCMB-321 revealed that the whole batumin synthesis encoding operon was acquired by horizontal gene transfer Oleg Reva
09:15-09:30	Antibacterial and antibiofilm properties of tryptoquivalines and meroditerpenes isolated from marine-derived and soil fungi of the genus <i>Neosartorya</i> Lucinda Janete da Silva Bessa
09:30-09:45	The power of microbial volatile organic compounds Paolina Garbeva
09:45-10:00	Identification of loci associated with antimicrobial activity in <i>Burkholderia gladioli</i> strain UAPS07070 Eduardo Seynos
10:00-10:15	Different growth kinetics and their impacts on production of enterocin OS13 following by applying different purification strategies for recovering of high yield bacteriocin Ahmed Osama El-Gendy
10:15-10:30	Antimicrobial activity of Se⁰/Te⁰ – based nanoparticles of bacterial origin Emanuele Zonaro
10:30-10:45	Antibacterial activity of multiple plant essential oils and their potential use as food preservatives Julian Thielmann
10:45-11:30	POSTER SESSION & COFFEE BREAK (Main Hall)
Chair: Dr. Omar Amin (Parasitology Center, USA)	
11:30-11:45	Common human parasites and pathogens and their natural remedies in the USA Omar Amin
11:45-12:00	Plant extracts rich in gallotannins show greater inhibition of spoilage bacteria and antioxidant activity than extracts high in flavonoids and phenolic acids Petri Widsten
12:00-12:15	Fungi treated with small mass chemical effectors exhibit increased antimicrobial activity against facultative bacterial and yeast pathogens Christoph Zutz
12:15-12:30	Cinnamic acid in the control of planktonic and sessile cells of <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> Joana Filipa Fernandes Malheiro
12:30-12:45	Antimicrobial Effects of Blueberry, Raspberry and Strawberry Aqueous Extracts on Pathogenic Bacteria and Their Effects on Virulence Genes Expression in <i>Vibrio cholera</i> Hazim Khalifa

12:45-13:00	Synergic behaviour of main polyphenolic compounds of <i>Cistus salviifolius</i> against <i>Staphylococcus aureus</i> Laura Tomás Menor
13:00-13:15	The comparison of antimicrobial activity of extracts obtained by subcritical water extraction process (SWE) from agro-food plant residues as raw material Grzegorz Bańcarz
13:15-13:30	Studies on Finishing of Silk using Aloe Vera Vinay Guddo Nadiger
13:30-15:00	LUNCH BREAK (Buffet - Main Hall)
Chair: Prof. Fatih Demireci (Anadolu University, Turkey)	
15:00-15:15	Antimicrobial activity of an anthocyanin rich blueberry extract, purified using SPE Sara Silva
15:15-15:30	Investigation of the Antituberculous Effect in Vivo of the New Remedies Timur Zveryachenko
15:30-15:45	The new weapon for nosocomial infections: <i>Cymbopogon citratus</i> essential oil Pedro de Pina Catarino Pires
15:45-16:00	Antimicrobial evaluation and fatty acid compositions of essential oils of <i>Helianthus annuus</i> Seed in multiresistant <i>Staphylococcus aureus</i> derived from milk Patrícia da Silva Nascente
16:00-16:15	<i>Piper betel</i> and <i>Phyllanthus niruri</i> Extract as Natural Antimicrobial Solution Eraricar Salleh
16:15-16:30	Ellagic acid derivatives from <i>Terminalia chebula</i> Retz. increase the susceptibility of <i>Pseudomonas aeruginosa</i> to stress by inhibiting polyphosphate kinase Prince Sharma
16:30	CONFERENCE CLOSURE
16:30-17:15	POSTER SESSION & COFFEE BREAK (Main Hall)

FRIDAY, 3 OCTOBER 2014 (HALL 2)

Antimicrobial resistance - Mechanisms of action of antimicrobial agents
Attenuation of virulence as antimicrobial strategy

Chair: Dr. Jette E. Kristiansen (Southern Danish University (SDU), Denmark)

09:30-10:15	Keynote lecture: Role of efflux pumps in bacterial resistance Dr. Goutam Gupta (Los Alamos National Laboratory, USA)
10:15-10:30	Non-antibiotic drugs and their potentiality in reversal of multidrug resistance in microorganisms Jette Elisabeth Kristiansen
10:30-10:45	Effect of thioridazine on the elimination of plasmids coding for drug resistances and other properties in <i>Pseudomonas aeruginosa</i> Sujata Ghosh Dastidar
10:45-11:30	POSTER SESSION & COFFEE BREAK (Main Hall)
Chair: Dr. Florentine Marx (Innsbruck Medical University, Austria)	
11:30-11:45	New insights into the mechanistic function of the antifungal protein PAF: the link between cAMP/PKA signalling, lipid biosynthesis and calcium homeostasis Florentine Marx
11:45-12:00	Genome-wide discovery of leishmanial drug-resistance genes by Cos-seq Christopher Fernandez-Prada
12:00-12:15	Large-scale differential selection analysis on influenza A and B neuraminidase gene: a new approach for studying antiviral drug resistance and reduced susceptibility Vanessa Correia
12:15-12:30	Antimalarial drug resistance: Monitoring artemisinin resistance in <i>Plasmodium falciparum</i> in Odisha state of India Ruchi Gupta
12:30-12:45	Identification of Thioridazine Resistance Inducing Mutations in <i>Staphylococcus aureus</i> Lars Christian Lund
12:45-13:00	Glycoproteins of <i>Mycobacterium tuberculosis</i> as virulence determinants-deglycosylated attenuated vaccines Vijaya Satchidanandam
13:00-13:15	A Drug Repositioning Screen Identified Pentetic Acid as a Potential Therapeutic Agent to Suppress Elastase-mediated Virulence of <i>Pseudomonas aeruginosa</i> Sang Sun Yoon
13:15-13:30	Quorum quenching enzymes as a novel antipathogenic strategy Ana Otero
13:30-15:00	LUNCH BREAK (Buffet - Main Hall)

Chair: Prof. Karina Gin (National University of Singapore, Singapore)

15:00-15:15	Distribution of Antibiotic Resistant Bacteria in tropical aquatic systems Karina Gin
15:15-15:30	Novel bis-benzimidazole exhibits selective inhibition of <i>E. coli</i> topoisomerase IA through metal chelation based mechanism: A way to overcome multi-resistant strains Devapriya Sinha
15:30-15:45	Withdrawn
15:45-16:00	Proteomics and functional analysis of outer membrane vesicles from <i>E. coli</i> Medicharla V Jagannadham
16:00-16:15	Withdrawn
16:30	CONFERENCE CLOSURE (in Hall 1)
16:30-17:15	POSTER SESSION & COFFEE BREAK (Main Hall)

POSTER PRESENTATIONS (MAIN HALL)

WEDNESDAY, 1 OCTOBER 2014		
From 16:30-17:45		
Clinical and medical microbiology, infectious diseases and antimicrobials. Public health. Strengthening of innate immune system as antimicrobial strategy		
Code	Title	Presenter(s)
W1	Examination of thioridazines potentiating effect on chlorhexidine against Methicillin-resistant <i>Staphylococcus aureus</i>	Mikkel Aarøe
W2	Cloning and Expression of Synthetic Genes Encoding the Broad Antimicrobial Spectrum Bacteriocins SRCAM 602, OR-7, E-760 and L-1077, by Recombinant <i>Pichia pastoris</i>	Sara Arbulu Ruiz
W3	Drug-resistant tuberculosis in Poland in 2012	Ewa Augustynowicz-Kopeć, Anna Zabost
W4	Molecular tests for the detection of drug-resistant tuberculosis	Ewa Augustynowicz-Kopeć, Anna Zabost
W5	Application of targeted delivery methods for optimization of distribution of concentration of rifampicin	Kulzhan Berikkhanova, Zarina Shulgau, Nurgozhin Talgat
W6	Investigation of the synergistic antifungal activities of the novel cationic steroid antibiotics CSA-8, CSA-13, CSA-44, CSA-131 and CSA-138 against <i>Candida</i> species isolated from various cultures in a Turkish Hospital	Ayşev Seher Birteksöz Tan
W7	Antimicrobial susceptibility pattern of bacterial isolates from surgical site infections from a tertiary care cancer centre	Sanjay Biswas
W8	Identification of bats that act as reservoirs or hosts for viral diseases by the sequencing of mitochondrial DNA b gene	Pedro Carnieli Junior
W9	The profile of consumers' habits and hygiene analysis of the animal based foods form purchasing to consumption period in the cities of Aegean Region, Turkey	Harun Cerit
W10	Blueprint of the serotype distribution and antimicrobial resistance in human salmonellosis in Belgium (2009-2013)	Pieter-Jan Ceyskens
W11	Study on the production of HA antigen reagent for quality control of pandemic influenza vaccine	Yejin Choi
W12	Strong synergism of peptides derived from fish (<i>Pleuronectes americanus</i>) show activity in vitro and in vivo against <i>Klebsiella pneumoniae</i>	Simoni Dias
W13	The evaluation of pathogen bacteria profile of "çiğ köfte" (raw meatball) and its lettuce marketed in populous cities of Turkey	Emek Dümen
W14	Determining presence of <i>Listeria monocytogenes</i> and serological typing of the isolates in kashar cheese samples sold in Istanbul	Emek Dümen
W15	Risk factors for fecal carriage of carbapenemase producing Enterobacteriaceae (CPE) among intensive care unit patients from a tertiary care center in India	Rajni Gaind
W16	In vitro antimicrobial susceptibility of <i>Propionibacterium acnes</i> isolated from acne patients in India	Rajni Gaind

W17	Study of antibiotic sensitivity of microorganisms isolated from the fungal-bacterial associations of respiratory tract	Anatoliy Godovalov
W18	Antimicrobial treatment of nonspecific men's urethritis as a promising method for the treatment of infertility	Anatoliy Godovalov
W19	Antibacterial activity of Antarctic lichens against MDR nosocomial pathogens isolated from Chilean hospitals	Gerardo González-Rocha
W20	The occurrence and effect of some antibiotics on <i>Streptococcus mutans</i> in dental caries in Jos	Mary Istifanus Francis
W21	Prevalence and characterization of extended-spectrum-β-lactamase-producing <i>Escherichia coli</i> and <i>Klebsiella pneumoniae</i> in ready-to-eat vegetables	Hong-Seok Kim
W22	Relationship between ciprofloxacin resistance and extended-spectrum beta-lactamase (ESBL) production in <i>Escherichia coli</i> Isolates from female patients with urinary tract infections in Turkey	Fatma Koksall Cakirlar
W23	Identification of <i>Candida</i> species using CHROMagar and their evaluation of susceptibility testing with Sensititre YeastOne colorimetric antifungal microdilution panel	Emine Kucukates
W24	Antibiotic Resistance of Viridans Group Streptococci Isolated from Dental Plaques	Si Young Lee
W25	Trend of bacteria isolated from patients with acne vulgaris in a Japanese university hospital	Keisuke Nakase
W26	Microbiology and clinical outcomes of intra-abdominal infections in a tertiary hospital ICU, one year period	Demetrio Pérez Civantos
W27	Initial experience with procalcitonin (PCT) determination and its use for guidance in treatment of critically ill patients with severe pneumonia	Demetrio Pérez Civantos
W28	<i>In vitro</i> adherence of <i>Staphylococci</i> to polymeric and biologic hernia mesh implants	Bárbara Pérez Köhler
W29	Monovalent D-Mannosides as FimH Antagonists – A Novel Therapy for Urinary Tract Infections	Said Rabbani
W30	Molecular analysis of class I integron genes in clinical <i>Staphylococcus</i> isolates	Rashid Ramazanzadeh
W31	Remarkable antibiotic resistance of <i>Pantoea agglomerans</i> , opportunistic bacteria in patients with immunodeficiency	Ninfa Ramírez Durán
W32	Antimicrobial susceptibility, virulence factors and enterotoxigenic genes of food isolates of coagulase-positive <i>Staphylococcus</i>	Cristina Santos Pintado
W33	Phenotypic and molecular characterization to determine the antimicrobial profile in <i>Acinetobacter baumannii</i> : support for clinical practice management	Thaís Sincero
W34	Phenotypic and genotypic detection of Extended Spectrum Beta-lactamases into <i>Escherichia coli</i> , <i>Klebsiella pneumoniae</i> and <i>Enterobacter</i> spp. inpatients at a university hospital in southern Brazil	Thaís Sincero
W35	Antibiotic susceptibility of fecal <i>E. coli</i> isolates from human stool sample, Turkey	Serap Süzük
W36	Lantibiotic Nai-107 rescues <i>Drosophila melanogaster</i> from fatal injection with <i>Staphylococcus aureus</i>	Thomas Thomsen

W37	Rapid Changes in Serotype and Antimicrobial Resistant Profile of Penicillin-nonsusceptible Pneumococci by Introduction of PCV7	Takeaki Wajima
W38	Toxin profile, phenotype and antimicrobial resistance of <i>Bacillus cereus</i> in Korean fermented soybean products	Jin-Hyeok Yim
W39	Molecular sub-typing and genetic characteristics of <i>Campylobacter</i> isolated in China	Maojun Zhang
W40	Synergetic effect of lactobacillus extract and disinfectant against biofilm <i>Staphylococcus aureus</i> cells isolated from oral cavity of Tunisian children	Tarek Zmantar
W41	Topographic pharmacokinetics of Interleukin-1 beta, encapsulated into the autologous erythrocyte ghosts	Kulzhan Berikhanova, Zarina Shulgau
W42	Antibacterial mechanisms and immunomodulatory activities of chicken cathelicidin-2	Marina Kraaij
W43	Effect of inactivated influenza vaccine in combination with chitosan derivatives on dendritic cells	Olga Lebedinskaya
W44	Deregulation of iron metabolism during <i>Listeria monocytogenes</i> infection in mice is not dependent on hepcidin expression	Ana Carolina Moreira
W45	Asoxime (HI-6) is able to modulate immunization efficacy by keyhole limpet hemocyanin in mouse model	Miroslav Pohanka
W46	Novel Benzothiadiazole-7-Carboxylic Acid Derivative as the Inducer of systemic resistance against viruses in tobacco plants	Henryk Pospieszny, Marcin Smiglak
W47	Intestinal response to β -glucan oral immunostimulation involves cathelicidin mediated pro-inflammatory activities in the rainbow trout	Paulina Schmitt Rivera
W48	Antimicrobial activity of trout hepcidin during the innate immune response in fish	Paulina Schmitt Rivera
W49	Screening for nasal carriage of coagulase-positive staphylococci and their methicillin resistance and toxin profiles in healthy dogs and their owners in South Korea	Hee-Myung Park, Jae-Ik Han
Biofilms		
W50	Identification and Characterization of a Putative Mega Polysaccharide Gene Cluster in <i>Enterococcus faecium</i>	Liaqat Ali
W51	Engineering <i>E. coli</i> to visualise antibiotic resistance in biofilms	Elli Amanatidou
W52	In vitro activities of new cationic steroid antibiotics against <i>Legionella pneumophila</i>	Ayşev Seher Birteksöz Tan
W53	Anti-biofilm Activity of Lactobacillus mucosae Extracellular Extracts against Staphylococcus aureus from ovine mastitis	Dobroslava Bujnakova
W54	Effectiveness of 'Ya-Sa-Marn-Phlae' on <i>Staphylococcus epidermidis</i> and <i>Pseudomonas aeruginosa</i> biofilms	Sasitorni Chusri
W55	Photodynamic Antimicrobial Chemotherapy (PACT) decreases the viability of biofilm produced by <i>Candida albicans</i>	Maricilia Costa
W56	Withdrawn	
W57	Screening assay to identify <i>Acinetobacter baumannii</i> biofilm inhibitors from a microbial natural products collection	Mercedes de la Cruz Moreno

W58	Inhibition of pre-formed or formed <i>Pseudomonas aeruginosa</i> biofilms by antibiotics and antimicrobial cationic peptides	Sibel Dosler
W59	Linalool: a natural strategy to control biofilms of <i>Acinetobacter baumannii</i>	Andreia Duarte
W60	Interactions between bacteria of a marine benthic biofilm: antibiofilm activity of a <i>Pseudomonas</i> bacterium against a <i>Flavobacterium</i> strain	Alain Dufour
W61	Antibacterial and antibiofilm activities of cyclolipopeptides produced by a marine bacterium <i>Pseudoalteromonas</i> sp. hCg-6	Alain Dufour
W62	Post-antibacterial effect of two cationic peptides on staphylococcal biofilm	Daria Eroshenko
W63	Antibacterial and antioxidant efficacy of chitosan edible films added with <i>Thymus vulgaris</i> and <i>Thymus mastichina</i> essential oils obtained from organic growth.	Juana Fernández-López
W64	The time profile of cell adhesion of the highly adhesive bacterium <i>Acinetobacter</i> sp. Tol 5	Yoshihide Furuichi, Katsutoshi Hori
W65	Characterization of a Trimeric Autotransporter Adhesin from a highly adhesive bacterium <i>Acinetobacter</i> sp. Tol 5	Shogo Yoshimoto
W66	The potential application of vanillin for control of <i>Cronobacter sakazakii</i> and its biofilm formation in the reconstituted infant formula	Na-Young Lee, Tae-Jin Cho
W67	Syngonanthus nitens extract in precursor systems of liquid crystalline: action against biofilm of <i>Candida albicans</i>	Luciani Gaspar de Toledo
W68	Adsorption and biodegradation of reactive orange 16 by <i>Funalia trogii</i> 200800 in a biofilm reactor using activated carbon as a supporting medium	Yen-Hui Lin
W69	Synergic interactions between <i>Candida albicans</i> and oral bacteria in a three-species biofilm model	Indira Moraes Gomes Cavalcanti
W70	The effect of diacetyl rhein on biofilm formation of <i>Staphylococcus aureus</i>	Pavel Novy
W71	Antibiotic resistance and biofilm formation of <i>Staphylococcus aureus</i> clinical isolates	Jongkon Saising
W72	Bioactive Plant Metabolites Reverses Resistant of MRSA Biofilms to Ampicillin	Carolina Santiago
W73	TTO and Terpinen-4-ol inhibit biofilm resistant clinical isolates of <i>Candida albicans</i>	Luís Carlos Spolidorio
W74	Withdrawn	
W75	Novel enzymatic antimicrobial and anti – biofilm system	Barbara Thallinger
W76	Effect of 16S rRNA methyltransferase RmtD on biofilm formation and pyocyanin production in <i>Pseudomonas aeruginosa</i> PAO1	Darija Viducic
W77	Low adhesive surfaces significantly reducing biofilm formation	Todorka Vladkova
W78	Withdrawn	
W79	Effect of Chilean propolis on metabolic activity and architecture in <i>Streptococcus mutans</i> biofilm	Jorge Jesús Veloz Pérez

Bacteriophages		
W80	Control of <i>Escherichia coli</i> O157:H7 on fresh-cut iceberg lettuce by immersing in bacteriophage mixture (STP-1, STP-2, and Esc-COP-1)	Tae-Jin Cho, Na-Young Lee
W81	Emergence of bacteriophage-resistant <i>Salmonella</i> cells in broilers during phage therapy	Maria Pilar Cortés, Jennifer Otero
W82	Bacteriophage endolysins to detect <i>Clostridium</i> species associated with cheese spoilage	Natalia Gómez Torres
W83	Epidemiological and clinical efficacy of bacteriophages in the treatment and prevention of infectious diseases	Natalia Nikolaevna Voroshilova
W84	Withdrawn	

THURSDAY, 2 OCTOBER 2014 From 10:45-11:30 and from 17:00-17:45		
Antimicrobial materials science and surface chemistry. Antimicrobials in consumer products		
Code	Title	Presenter(s)
T1	Biobased antibacterial finishing for textiles	David De Smet
T2	Anti- <i>Campylobacter</i> activity of resveratrol and its inclusion complex with hydroxypropyl- γ -cyclodextrin: a potential preservative for the food industry	Fernanda Domingues, Andreia Duarte
T3	Covalent grafting of hyaluronic acid onto PMMA for antifouling applications	Raechelle D'Sa
T4	Studies on biocidal properties of textile materials modified by silane compounds	Joanna Foksowicz- Flaczyk, Judyta Walentowska
T5	Antimicrobial effects of silver nanoparticles on planktonic and sessile communities of pathogenic bacteria	Roberto Ricardo Grau
T6	Antibacterial Activity of Surface Coated Versatile Substrates from Catechol Conjugated Polyquaternary	Chan Jin Jeong, Sung Young Park
T7	Antibacterial Application of Functionalized Soluble Graphene	Chan Jin Jeong, Sung Young Park
T8	Bactericidal effect of encapsulated caprylic acid on <i>Listeria monocytogenes</i>	Ana Jiménez
T9	Antimicrobial activity of whey protein isolate edible films incorporating carvacrol and eugenol	Nelly Luz Leyva Povich
T10	Antibacterial performance of bovine lactoferrin-fish gelatine electrospun nanocomposites	Raul Machado
T11	Fabrication of SELP/Ag nanocomposite materials with antimicrobial properties by electrospinning and solvent casting	Raul Machado
T12	Zinc oxide as an alternative to conventional preservatives: antimicrobial properties and use in cosmetic products	Julia Pasquet
T13	Bactericidal efficiency of UV-active TiO ₂ thin films on adhesion and viability of <i>Listeria monocytogenes</i> and <i>Pseudomonas fragi</i>	Christophe Soumet
T14	Fluorine activity of antibacterial ammonium hexafluorosilicate solution for the prevention of dental caries	Toshiyuki Suge
T15	The influence of nanosilver incorporated into the surface of packaging on the quality and storage of cut gerberas (cultivar 'Kimsey')	Patrycja Sumińska
T16	Antimicrobial properties of copper in polyvinyl acetate and silicone nasal packs. An in vitro model of bacterial adhesion and survival	Javier Campanini Salinas
T17	Synthesis and antibacterial properties of some new fluorine containing nitrofurans	Daniel Végh
T18	Withdrawn	
Techniques and Methods		
T19	Potassium Clavulanate Supplemented Modified Charcoal-Cefoperazone-Deoxycholate Agar for Quantitative detection of	Jungwhan Chon

	Campylobacter in Chicken Carcass Rinse	
T20	VITEK® 2: An automated antimicrobial susceptibility testing for detection of yeasts	Patrícia da Silva Nascente
T21	A protocol for screening protein-protein interaction inhibitors with the “Two phages” Two Hybrid Assay	Lucia Grenga
T22	Application of synthetic adsorbents to antimicrobials separation processes	Mari Hara
T23	Use of the collections of pathogenic bacteria from the Microbial Resource Centre CIRM-BP to evaluate the antibacterial potential of candidate molecules	Emmanuelle Helloin
T24	Separation, identification of methicillin-resistant from methicillin-susceptible <i>Staphylococcus aureus</i> in blood and their antimicrobial susceptibility by electrophoretic methods in fused silica capillaries etched with supercritical water	Marie Horká
T25	Surveillance for community outbreaks of human adenoviruses in Southern Taiwan, January to June 2014: Use of virus isolation and anti-adenovirus ELISA (IgM) test	Ting-Chun Hung
T26	Response of Escherichia coli O157:H7 against various antimicrobials under the spaceflight analogue	Hye Won Kim
T27	Challenges in antimicrobial activity testing of dry surfaces	Joachim Koeser
T28	TLR expression in dendritic cells under the influence virus vaccines in combination with chitosan as adjuvant	Olga Lebedinskaya
T29	Comparison of different methods for detection of methicillin susceptibility in Coagulase-Negative Staphylococci	Liudmila Liubasovskaia
T30	Synergistic effects of soy sauce and essential oils on Escherichia coli O157:H7, Salmonella Typhimurium, and Listeria monocytogenes	Hyeree Moon
T31	Identification and characterization of halophilic actinomycetes by sequence analysis of 16S rRNA gene and antibiotic susceptibility testing	Ninfa Ramírez Durán
T32	Synthetic biology for the design of antimicrobial peptides	Steven Schmitt
T33	Expression, Purification and Characterization of Antimicrobial Peptides using engineered Green Fluorescent Protein's Scaffold	Nagasundarapandian Soundrarajan
T34	Approach to target searching for β -amino fatty acid containing lipopeptides in cyanobacteria using LC-HRMS technique	Petra Urajova
Antimicrobial physics. Biocides		
T35	Membrane dipole modifiers affect the channel forming activity of cecropins	Svetlana Efimova
T36	Membrane bound structure of SSL-25: an antibiotic peptide present in human sweat	Philipp Mühlhäuser
T37	Silver nanoparticles as antibacterial towards <i>Listeria monocytogenes</i>	Simone Belluco
T38	Study of antimicrobial compounds for the footwear sector	Marcelo Bertazzo
T39	Efficacy of neutral electrolysed water against <i>Pseudomonas</i> spp. in washing contaminating ready-to-eat vegetables	Silvia de Candia
T40	Postadaptonal resistance to antibiotics of bacteria from organic foods	Rebeca Gadea Fernández

T41	Postadaptonal resistance to biocides of bacteria from organic foods	Rebeca Gadea Fernández
T42	Control of bacteria isolated from frozen foods using preservatives	Kiyo Okazaki
T43	Modulatory effect of LL-37 (cathelicidin) peptide in human macrophages stimulated by LPS	Denise Palomari Spolidorio
T44	Influence of an acidifier on antibiotic resistant <i>E.coli</i> counts in feces of weaning pigs	Nataliya Roth
T45	Resistance to biocides and antibiotics following adaptation to quaternary ammonium compounds in food-associated bacteria	Christophe Soumet
Antimicrobial chemistry		
T47	Synthesis and Biological Activity of Some Novel Thiadiazole Derivatives	Ulviye Acar
T48	Synthesis Antifungal and Anticholinesterase Activity Evaluation of Some Substituted Carbodithioic Acid (3,4-Disubstituted-Phenylcarbamoyl)-Methyl Esters	Ulviye Acar
T49	The Design and Functional Characterization of the Antimicrobial And Antibiofilm Activities of MelitAP-27, a Rationally Designed Hybrid Peptide	Ammar Almaaytah
T50	Pyoverdine analogues: Trojan horse strategy against <i>Pseudomonas aeruginosa</i>	Benjamin Bouvier
T51	Theoretical investigation on the origin of the stereoselectivity in the alkylation of 2-oxopiperazine enolates	Christine Cezard
T52	Diphenyl diselenide (PhSe) ₂ inhibits biofilm formation by <i>Candida albicans</i> by a mechanism evolving ROS production	Maricilia Costa
T53	Synthesis of some novel Antimicrobial Sulfonamid-arylyazo H-Acid	Hatem Elsayed Mohamed Hussien Gaafar
T54	Withdrawn	
T55	Discovery of Novel Arylazinylthioacetanilides as Potent HIV-1 NNRTIs Using “Follow-on”-based Lead Optimization Strategy	Xinyong Liu
T56	Design, Synthesis and Anti-HIV Evaluation of Novel DAPY Derivates Targeting an Additional Tolerant Region II in The NNRTI Binding Pocket	Xinyong Liu
T57	From nitrogenous cationic surfactant as disinfectant to o-substituted pyrazines as the antituberculotics– synthesis and evaluation	Jan Marek
T58	The evaluation of sonication influence on antimicrobial activity of ZnO nanoparticles	Malgorzata Mizielińska
T59	Withdrawn	
T60	Changes in tularemia progression due to melatonin in a BALB/c mouse model	Miroslav Pohanka
T61	Investigating transformation and degradation of scaffold compounds in the rumen to advance the development of methanogen-specific inhibitors	Ron Ronimus
T62	Synthesis and Biological Activity Observation of Some New	Begüm Nurpelin Sağlık

	Thiazole Derivatives	
T63	Synthesis, Anticandidal and Anticholinesterase Activity of Some Benzothiazole Derivatives	Begüm Nurpelin Sağlık
T64	Application of photochromism to the molecular design of antimicrobial agents: synthesis of phenolic derivatives and their bactericidal activity based on a photo-reaction with ultraviolet-A light	Akihiro Shirai
T65	Optimization of a 1-H-benzimidazole fragment hit yields biologically active, high-efficiency inhibitors for glutamate racemase (RacE)	Michael Spies
T66	Dual-acting hybrid antibiotics on the basis of azithromycin and glycopeptides – synthesis and antibacterial activity	Anna Tevyashova
T67	Study of antibacterial activity and toxicity of functional analogues of ubiquinone	Javier Campanini Salinas
T68	Synthesis and very potent antistaphylococcal activity of polyhalogenated 2-phenylbenzimidazoles	Sulhiye Yildiz
T69	Antituberculous and cytotoxic properties of new hydrazone derivatives	Leyla Yurttaş
T70	Synthesis and anticandidal activity of some 2-mercaptobenzothiazole derivatives	Leyla Yurttaş
T71	Time-kill curve kinetics of 4-chloro-N-[(2S)-1-[(3,4-dichlorophenyl)amino]-3-methyl-1-oxobutan-2-yl]-2-hydroxybenzamide against multidrug-resistant clinical isolates of methicillin-resistant <i>Staphylococcus aureus</i> (MRSA)	Iveta Zadrazilova
Antimicrobial natural products. I: Peptides		
T73	New antimicrobial marine cyclolipopeptides	Michèle Baudy-Floc'h
T74	Production of diverse β -amino fatty acid containing lipopeptides by soil cyanobacteria of genus <i>Cylindrospermum</i>	Jan Hajek
T75	Mechanism of action of lipopeptide biosurfactants on <i>Candida albicans</i>	Tomasz Janek
T76	Antimicrobial activity of a chelatable cyclic lipopeptide amphiphilic produced by <i>Pseudomonas fluorescens</i> DSS73	Tomasz Janek
T77	A novel cyclic pentadepsipeptide, neoN-methylsalsalvamide exhibiting a synergistic effect with paclitaxel on multidrug resistance cells	Taeran Jung, Kyungsu Kim, Chan Lee
T78	Structure-function analysis of the peptaibol Harzianin HK-VI	Sezgin Kara
T79	Antichlamydial activity of recombinant human peptidoglycan recognition proteins	Vassili Lazarev
T80	Pinensins A and B, the first lantibiotics isolated from a Gram-negative bacterium, <i>Chitinophaga pinensis</i> , are also the first antifungals of their class	Kathrin I. Mohr
T81	Hepcidin function in fish: two sides of the same coin	João Vilares Neves
T82	AvBD9: The importance of cysteine and tryptophan amino acids for anti microbial activity	Sherko Niranji
T83	Detection of antimicrobial activity in the venom of the spider	Patricia Maria Guedes

	<i>Lasiadora</i> sp.	Paiva
T84	Detailed genetic characterization and expression analysis of protegrin like sequences in the pig genome	Chankyu Park
T85	Detection of genes encoding antimicrobial peptides in the coleopteran insect <i>Tribolium castaneum</i> and potential therapeutic application	Carolina Rausell, M. Dolores Real
T86	Withdrawn	
T87	Withdrawn	
T88	Antagonistic effect of <i>Trichoderma</i> spp. isolated from the digestive tract of <i>Simuliidae</i> larvae (Insecta, Diptera) on development of microorganisms tested in Amazonia, Brazil	Bruno Romany dos Santos

FRIDAY, 3 OCTOBER 2014		
From 10:45-11:30 and from 16:30-17:15		
Antimicrobial natural products II: Terrestrial and marine organisms		
Code	Title	Presenter(s)
F1	Antimicrobial activity of some novel benzimidazole derivatives	Nurten Altanlar
F2	Antimicrobial activity of extracts from agroindustrial subproducts	Diana Andrade Moreira
F3	<i>In vivo</i> protection against <i>Salmonella enterica</i> infection by natural compound from Alliaceae	Alberto Baños
F4	Study of the antifungal activity of essential oil extracted from peels of <i>Citrus aurantium</i>	Malika Barkat
F5	A study of two medicinally important plant extracts of the genus <i>Lippia</i> against two predominant uropathogens	Rabindranath Bhattacharyya
F6	Effects of <i>Matricaria recutita</i> essential oil on non-albicans <i>Candida</i> biofilms	Aline Chiodi Borges
F7	Microbiological testing of flavonoids and tannins contained in the aqueous-ethanolic extract from the endocarp of coconut (<i>Cocos nucifera</i> L.)	Martha Patricia Campos Arias
F8	Withdrawn	
F9	Antibacterial activity of <i>Manilkara rufula</i> (Miq.) H. J. Lam. (Sapotaceae): an endemic specie of Northeastern Brazilian flora	Maria Tereza Dos Santos Correia, Maria das Graças Carneiro-Da-Cunha
F10	Antimicrobial Activity of Native Plants of Caatinga Biome: <i>Buchenavia tetraphylla</i> , <i>Pityrocarpa moniliformis</i> , <i>Anadenanthera colubrina</i> and <i>Libidibia ferrea</i>	Maria Tereza Dos Santos Correia
F11	Evaluation of the activity of potential antimicrobials against lactic acid bacteria isolated from spoiled food sauces in media with or without added sucrose	Eduardo Costa
F12	Antibacterial and cytotoxicity evaluation of alkyl gallates and a possible mechanism of action	Isabel da Silva
F13	Antimicrobial activities of <i>Spirulina platensis</i>	Said Daboor
F14	Withdrawn	
F15	Caraway essential oil combinations with antifungal drugs against <i>Candida</i> sp. and cytotoxicity assessment	Fatih Demirci
F16	Chemical Characterization of the Volatiles and Fixed Oil of the Seeds of <i>Nigella damascena</i> L. and Biological Evaluation	Fatih Demirci
F17	R191A mutant displays defective GTPase activity and impairs cytokinesis in <i>Bacillus subtilis</i> cells	Hemendra Pal Singh Dhaked
F18	Inhibitory effect of resveratrol encapsulated in hydroxypropyl- γ -cyclodextrin against <i>Arcobacter butzleri</i>	Fernanda Domingues, Filomena Silva
F19	Antibacteria properties of <i>Aframomum danielli</i> fractions on two pathogens	Subuola Fasoyiro
F20	Antimicrobial Activities of Essential Oils	Mohamed amine Ferhat

F21	Staphylococcal enterotoxins production influenced by phenolic compounds from plants essential oils	Ary Fernandes Junior
F22	Interaction between major compounds from essential oils and antimicrobial drugs against <i>Staphylococcus aureus</i> strains	Ary Fernandes Junior
F23	Assessment of antibacterial activity of essential oils of two thymus species from organic growth in meat homogenates	Juana Fernández-López
F24	Antibacterial effect of 7 α -acetoxy-6 β -hydroxyroyleanone from <i>Plectranthus grandidentatus</i>	Ana Margarida Fialho Inácio Mateus Pereira
F25	Antimicrobial screening of <i>Plectranthus madagascariensis</i> and <i>P. neochilus</i> extracts	Ana Margarida Fialho Inácio Mateus Pereira
F26	Microbial cell viability of clinical strains of <i>Candida</i> spp treated by CROTALICIDINS - Cathelicidin-Related Antimicrobial Peptides (CRAMPS) from South American rattlesnake venom gland	Raquel Fontenelle, Carolina Sidrim de Paula Cavalcante Targino
F27	Antifungal activity of essential oils from <i>Mangifera indica</i> L. cultivars against strains of <i>Candida</i> spp.	Raquel Fontenelle, Erika Helena Salles De Brito, Carolina Sidrim de Paula Cavalcante Targino
F28	<i>Cymbopogon nardus</i> against <i>Candida glabrata</i> : antifungal activity and time-kill assay	Luciani Gaspar de Toledo
F29	Withdrawn	
F30	Withdrawn	
F31	Characterization of the Chamomile (<i>Matricaria recutita</i> L.) essential oil, its fractions and antimicrobial effects in combination with antimicrobial agents	Gamze Göger
F32	Biological and Phytochemical Evaluation of <i>Ajuga chamaepitys</i> ssp <i>palestina</i> and <i>Ajuga chamaepitys</i> ssp <i>cypria</i> from Turkey	Fatih Göger
F33	Antibacterial and antibiofilm activity of Antarctic lichens against species of fish pathogen <i>Vibrio</i>	Gerardo González-Rocha
F34	Screening seaweeds from Mauritius Islands for antimicrobial activity	Joyce Govinden Soulange
F35	Antibacterial activities and GC-MS analysis of phytochemicals of <i>Ehretia abyssinica</i> R.Br. ex Fresen	Nehad Mahmoud Gumgumjee
F36	Antimicrobial efficacy of <i>Acacia saligna</i> (Labill.) H.L.Wendl. and <i>Cordia sinensis</i> Lam. leaves extracts against some pathogenic microorganisms	Abdulrahman Said Hajar Hajar
F37	Antimicrobial hop extracts and their application on fresh produce	Carolin Hauser
F38	Impact of plant-derived isothiocyanates on growth and synthesis of biomolecules of various bacteria species	Anna Herman-Antosiewicz
F39	Bottlenecks to pseudomonadic acid C production by <i>Pseudomonas fluorescens</i>	Joanne Hotherhall
F40	Cytotoxicity and antifungal activity of cyanobacterial lipopeptides puwainaphycins and muscotoxins	Pavel Hrouzek
F41	Antifungal activity of methanol extract from mycelium of <i>Dacryopinax</i> sp. FB KCCM11084P	Taeran Jung, Kyungsu Kim, Chan Lee

F42	Compare the antimicrobial activities of various commercial essential oils of cinnamon and rosemary	Banu Kaskatepe
F43	Chemical Characterization and Biological Evaluation of the Volatiles of <i>Alnus glutinosa</i> subsp. <i>barbata</i> Gaertn. and <i>A. orientalis</i> var. <i>pubescens</i> Decne.	Hülya Tuba Kıyan
F44	Antimicrobial and Antioxidant Activities of <i>Ajuga genevensis</i> Extract	Yavuz Bülent Köse
F45	Antibacterial and anti-biofilm forming capacity of ophiobolin-A produced by <i>Bipolaris</i> species	Judit Krisch
F46	New antibiotics from nature: SLU-Medivir collaboration	Jolanta Levenfors
F47	<i>In vitro</i> anti-cariogenic <i>Streptococcus mutans</i> activity of 30 herbal formulas used for dental caries in Southern Thailand	Surasak Limsuwan
F48	Lupinifolin from <i>Albizia myriophylla</i> : Antibacterial activity against cariogenic <i>Streptococcus mutans</i>	Surasak Limsuwan
F49	Use of antimicrobial films (active packaging) incorporating some essential oils and preservatives to control <i>Penicillium</i> in cheese	Teresa María López Díaz
F50	Composition of fatty acids and antimicrobial activity of essential oils of the <i>Bertholletia excelsa</i>	Rafael Lund
F51	Antimicrobial efficacy of natural agents against <i>Listeria monocytogenes</i> and spoilage microorganisms in meat products	Sonia María Marco Aguilar
F52	Detection of Minimum Inhibitory Concentration of Methanoloic Extract of Propolis against <i>Epidermophyton floccosum</i> and its comparison with some species of genus <i>Microsporum</i> and <i>Trichophyton</i>	Reza Mannani
F53	A hybrid NRPS/PKS containing fatty-acyl ligase synthesizes the cytotoxic antifungal β -amino fatty acid lipopeptides puwainaphycins in the cyanobacterium <i>Cylindrospermum alatosporum</i>	Jan Mareš
F54	Antioxidant activities of nine medicinal plants used in treating inflammatory ailments in Zulu traditional medicine of South Africa	Fanyana Mtunzi
F55	Silver nanoparticles synthesis based on essential oil and its antimicrobial properties	Dariusz Nowicki
F56	Screening of Inhibitors of the β -Sliding Clamp of <i>Staphylococcus aureus</i> from Caatinga plants	Luis Cláudio Nascimento da Silva
F57	Antagonistic activity of lactic acid bacteria against selected pathogenic and spoilage bacteria	Akimbekov S Nuraly
F58	Withdrawn	
F59	Antifungal activity of wild <i>Capsicum</i> foliar extracts containing polyphenols against phytopathogenic fungi <i>Alternaria alternata</i> , <i>Rhizoctonia solani</i> , <i>Sclerotinia minor</i> and <i>Verticillium dahliae</i>	Catello Pane, Massimo Zaccardelli
F60	Antifungal activity of aromatic waters distilled from thyme and sage	Catello Pane, Massimo Zaccardelli
F61	Totanol Induced Proteome Alterations in <i>Bacillus subtilis</i> by Multipronged Quantitative Proteomics	Panga Jaipal Reddy
F62	Eucalyptus bark derived extracts applied to <i>Helicobacter pylori</i> infection management	Paula Parreira e Guerra
F63	Benzoxaborol-containing derivatives of amphoterycin B	Svetlana Printsevskaya,

		Anna Tevyashova
F64	Evaluation of antimicrobial activity of processed spices used in sausage manufacturing	Laura Quintieri
F65	Anti-staphylococcal activity of <i>Callistemon lanceolatus</i> (Sm.) Sweet. leaf extract	Jongkon Saising
F66	Antileishmanial Activity of Low Molecular Weight Chitin Prepared from Shrimp Shell Waste	Rym Salah-Tazdait
F67	Antibacterial activities of low molecular weight chitin prepared from shrimp shell waste	Rym Salah-Tazdait
F68	Antifungal activity of essential oils from <i>Lavandula luisieri</i> and cineole against <i>Rhizopus</i> sp. isolated from strawberry	Cristina Santos Pintado
F69	Antibacterial activity of ethanolic extracts of <i>Astronium</i> sp loaded or not loaded into nanostructured systems	Kamila Maria Silveira Negri
F70	Antimicrobial effect of commercial propolis sample from Turkey	Duygu Simsek
F71	The antibacterial effect of isothiocyanates on Shiga toxin-producing <i>Escherichia coli</i> strains	Agnieszka Szalewska-Pałasz
F72	<i>Cymbopogon nardus</i> : evaluation of the inhibitory effect on <i>Candida albicans</i> hyphae growth	Margarete Teresa Gottardo de Almeida
F73	Antimicrobial activity of ethanolic extract and essential oil of <i>Cymbopogon nardus</i> on pathogenic bacteria	Margarete Teresa Gottardo de Almeida
F74	Screening for wide spectrum polyphenolic antimicrobials from plants using a fast AlamarBlue® based method	Laura Tomás Menor
F75	Novel <i>Enterococcus</i> strain isolated from midgut of mosquito induce expression of antimicrobial peptide in human intestinal epithelial cell	Saori Uyeda
F76	Antimicrobial effects of a silken web produced by the larvae of <i>Plodia interpunctella</i>	Sava Vasić
F77	Anti-tuberculous activity of treponemycin produced by <i>Streptomyces</i> strain MS-6-6 isolated from Saudi Arabia	Mahmoud Yassien
F78	Lithium as broad spectrum biocide enhancer in white mineral dispersions	Anita Zumsteg
F79	Investigation of the Antituberculous Effect In Vitro of The New Remedies	Timur Zveryachenko
F80	Antibacterial activity of <i>Thymus vulgaris</i> against different strains of antibiotic resistant <i>Staphylococcus aureus</i>	Mohammadali Zia
F81	Comparison of In vitro anticandidal activity of <i>Thymus vulgaris</i> and <i>Myrtus communis</i> L against <i>Candida albicans</i> strains isolated from the patients with oral candidiasis with Nystatin	Mohammadali Zia
F82	Withdrawn	
F83	Withdrawn	
Biocontrol. Biosynthesis of antimicrobials		
F84	On the antimicrobial potential of thermophiles: Production of an antibacterial polypeptide and a siderophore by thermophilic <i>Geobacillus</i> sp. Strain ZGt-1	Rawana Alkhalili
F85	<i>Leuconostoc mesenteroides</i> J33 as biocontrol agent of <i>L. monocytogenes</i> in fresh goat milk cheese	Alberto Baños

F86	Activities of Lactic acid bacteria populations and fungi flora in fermented wheat	Farida Bekhouche
F87	New approach to extend shelf life of Mozzarella cheese using antimicrobial microbes	Andrea Caridi
F88	Antimicrobial activity and probiotic potential of piglets microbiota	Joanna Foksowicz-Flaczyk
F89	Lectin-type pyocin action against <i>Pseudomonas aeruginosa</i> is O serotype independent	Maarten Ghequire
F90	Probiotic bacteria as inhibitors of quorum sensing and biofilm formation upon skin pathogens	Patricia Gullón Estévez
F91	Withdrawn	Saeid Hosseinzadeh
F92	The use of <i>Trichoderma longibrachiatum</i> as a biocontrol agent of <i>Fusarium</i> wilt in cucumber plant	Kehinde Titilope Kareem
F93	Heat stable antifungal compound production by <i>Burkholderia cepacia</i> JBK9 effective against Fusarium rot disease of garlic	Abdur Rahim Khan
F94	Discovery and characterisation of a novel plasmid of a probiotic strain <i>Lactobacillus fermentum</i> 3872	Burhan Lehri
F95	Isolation and characterization of acid lactic bacteria from maternal milk and newborn feces of the northwest Algerian population	Ikram Medjaoui
F96	The study of antimicrobial activity of <i>Enterococcus</i> spp against two species of <i>Listeria</i> (<i>L. innocua</i> and <i>L. ivanovii</i>)	Ikram Medjaoui
F97	Therapeutic Enhancement of Newly Derived Bacteriocins Against <i>Giardia Lamblia</i>	Shereen Mossallam
F98	Characterization of anti-Candida activity of vaginal lactobacilli	Carola Parolin
F99	Effects of fungal-bacterial consortium on hydrocarbons biodegradation efficiency - analysis of metagenomes	Agnieszka Potrowska-Cyplik
F100	Effect of rhizosphere bacteria on the growth of phytopathogenic fungi	Agnieszka Potrowska-Cyplik
F101	Molecular cloning, expression, and purification of <i>Staphylococcus pseudintermedius</i> secreted proteases, a potential virulence factor	Katarzyna Pustelny
F102	Aromatic plants in kitchen: flavor and antimicrobial activity: The antimicrobial activity of the essential oil of <i>Ruta chalepensis</i> (Fidjel) from west Algeria	Amina Attou
Antimicrobial resistance - Mechanisms of action of antimicrobial agents Attenuation of virulence as antimicrobial strategy		
F103	Multidrug-resistance transference in <i>Escherichia coli</i> isolates of food samples in Mexico	Tania Melina Andrés Reyes
F104	Antimicrobial resistance of <i>Staphylococcus epidermidis</i> isolated from the trauma unit in the University Hospital of Tlemcen "Algeria"	Mohammed Salih Barka
F105	Antimicrobial resistance of uropathogens isolated from women in Tlemcen «west of Algeria»	Mohammed Salih Barka
F106	Efflux Pumps mediating rifampicin resistance in Brazilian clinical isolates of <i>Mycobacterium tuberculosis</i>	Leonardo Biancolino Marino
F107	β -lactamases in <i>Escherichia coli</i> isolated from broilers	Dobroslava Bujnakova

F108	Determination of Antibiotic Resistance of Some Pathogenic Bacteria and <i>Lactobacillus</i> Species in Fermented and Heat Treated Sucuks	Muhammet Ali Cebirbay
F109	Occurrence of carbapenem resistance bacteria in the East Sea	Byung Cheol Cho
F110	Antimicrobial resistance in <i>Salmonella</i> strains isolated from retail chicken meats in Korea	Da-Som Choi
F111	Analysis of quinolone and oxyiminocephalosoprin resistance mechanisms in <i>Salmonella</i> in Uruguay	Nicolás Cordeiro
F112	Resistome of a multiresistant clinical isolate of <i>Salmonella enterica</i> ser. Typhimurium (S. Typhimurium) from Uruguay	Nicolás Cordeiro
F113	Controlling resistant bacteria with a novel class of β -lactamase inhibitor peptides: from rational design to in vivo analyses	Simoni Dias
F114	The Evaluation of Cross Resistance between Chloramine T Biocide and Rifampicin Antibiotic in Cooling System Biofilm Including <i>Legionella pneumophila</i>	Nihal Dogruoz Gungor, Nazmiye Özlem Şanlı Yürüdü
F115	Evaluation of the antimicrobial activity of colloidal silver-hydrogen peroxide against model cooling tower biofilm	Nazmiye Özlem Şanlı Yürüdü
F116	Novel blaCTX-M-2-type gene coding extended spectrum beta-lactamase CTX-M-115 discovered in nosocomial <i>Acinetobacter baumannii</i> isolates in Russia	Ivan Dyatlov, Victoria Firstova
F117	Antimicrobial activity of rifampicine with pharmacocytes	Nurgozhin Talgat
F118	Bicarbonate enhances the in vitro antibiotic activity of kanamycin in <i>Escherichia coli</i>	Marisela Gutiérrez-Huante, Joaquín Sánchez
F119	Withdrawn	
F120	The Relationship among Lytic Transglycosylases, β -lactamase Expression, and β -lactam Resistance in <i>Stenotrophomonas maltophilia</i>	Yi-Wei Huang
F121	Effect of different antibiotic doses on antimicrobial resistance in <i>E. coli</i> strains from broilers	Ana Jiménez
F122	Rapid Detection of Beta-lactam antibiotic resistance using Liquid Chromatography tandem Mass Spectrometry	JeongWoo Kang
F123	Multiple mechanisms of carbapenem resistance in Enterobacteriaceae bloodstream isolates: a molecular study in an Indian hospital	Srujana Mohanty
F124	Increasing resistance to β -lactams associated to hyperproduction TEM-1 β -lactamase in <i>Haemophilus influenzae</i>	Martha Andrea Mondragon Salinas
F125	Comparative survey of CDR1, CDR2, MDR1 genes expression in resistance and sensitive <i>Candida albicans</i> to fluconazole by RT REAL-TIME PCR	Ayatollah Nasrollahi Omran
F126	Sub-lethal antibiotic concentrations of rifampicin and isoniazid lead to drug synergy via time-kill kinetic studies	Iveren Winifred Nyinoh
F127	Study of the antibacterial activity of silver nanoparticles (AGNPS) on <i>Staphylococcus aureus</i>	Roseli Salomoni
F128	Association between use of biocides and resistance to antibiotics	Roseli Salomoni
F129	Design, Synthesis and mode of action of some 2-(4'-aminophenyl)benzothiazole derivatives as potent antimicrobial	Sushil Kumar Singh

	agents	
F130	MAS NMR study of interaction of antimicrobial peptide dendrimers with phospholipids	Katarzyna Trzeciak-Karlikowska
F131	Antimicrobial susceptibility of <i>Escherichia coli</i> isolated from small animals in Lithuania	Marius Virgailis
F132	Antibiotic resistance patterns in <i>Staphylococcus</i> spp. originated from companion animals in Lithuania	Marius Virgailis
F133	Genetic characterization and virulence control by calcineurin in the dimorphic fungus <i>Paracoccidioides brasiliensis</i>	Claudia Campos
F134	The Use of Tetraspanins as Potential Barriers to Infection	Daniel Cozens, Peter Monk
F135	Phenotypic analysis of <i>ygdP</i> mutant from <i>Pseudomonas aeruginosa</i>	Elżbieta Kraszewska, Martyna Kujawa
F136	Characterization and use of Aii20J, a wide spectrum <i>N</i> -acylhomoserine lactonase, as a promising control method for Gram-negative pathogens	Ana Otero
F137	Antimicrobial activity with seasonal lectins identified in serum of Tambaqui Amazonian fish	Luana Cassandra Breitenbach Barroso Coelho
F138	A New Inhibitor of Dihydrofolate Reductase from <i>Stachybotry</i> sp.	Won Gon Kim
F139	Antifungal activity of <i>Thymus vulgaris</i> essential oil: Disc diffusion versus vapour diffusion methods	Mohamed Nadjib Boukhatem
F140	Study of antagonism from different cellular, subcellular and molecular fractions of cultured microbes against each other	Mirza Imran Shahzad
F141	Effect of storage duration on microbial load of Orange pomace	Abosede Oluwakemi Oduntan

VIRTUAL PRESENTATIONS (ONLINE PLATFORM ON THE CONFERENCE WEBSITE)

Title	Presenter(s)
Essential oils use as an alternative to antimicrobials in <i>Staphylococcus xylosum</i> and <i>Staphylococcus epidermidis</i> infections in horse	Belén Huerta Lorenzo
Antimicrobial activity of peptides from Sardinia dairy products	Filomena Nazzaro
Antibacterial Effects of Extracts of Two Types of Red Sea Algae	Awatif Al-Judaibi
Antifungal activity of phenolic extracts of microalgae <i>Spirulina</i> sp. LEB18 and <i>Nannochloropsis oculata</i> against strains of <i>Fusarium</i> complex	Priscila Tessmer Scaglioni
Formulated natural plant extracts from nutmeg and cardamom show antifungal activity against clinical isolates of <i>Candida albicans</i> and affects cellular morphology and ergosterol	V. S. Radhakrishnan
Yeast biodiversity in oil mill waste: characterization of antifungal activities	Jose Juan Mateo
Effectiveness of phage-based probiotic dietary supplement in the prevention of <i>E.coli</i> traveler's diarrhea: a small-scale study	Andrey Aleshkin
Antimicrobial activity of self-assembled carboxylic acid crystals on graphite	Song Ha Nguyen
The toxicity of the fluorides in oral hygiene products	Kristina Peros
A clinical resistant isolate of opportunistic fungal pathogen, <i>Candida albicans</i> revealed more rigid membrane than its isogenic sensitive isolate	Arvind Kumar
Monitoring of Aflatoxin M1 in Some Dairy Products in Local Market of Alexandria, Egypt: Attempts for Detoxification	Gihan Hosny