

# ICAR2016

## IV International Conference on Antimicrobial Research

29 June - 1 July 2016 | Torremolinos - Malaga, Spain

### PROGRAM OUTLINE

- The conference presentations will start on Wednesday, June 29<sup>th</sup> 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, July 1<sup>st</sup> around 18:00. 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 entrance hall of the conference venue (Palacio de Congresos y Exposiciones Costa del Sol-Torremolinos)
- Oral presentations will take place according to the following general structure in one halls at the conference venue (Palacio de Congresos y Exposiciones Costa del Sol-Torremolinos):

ORAL PRESENTATIONS SCHEDULE			
	WEDNESDAY, JUNE 29 <sup>th</sup> 2016	THURSDAY, JUNE 30 <sup>th</sup> 2016	FRIDAY, JULY 1 <sup>st</sup> 2016
<b>HALL 1</b>	<ul style="list-style-type: none"><li>• Plenary Lecture: <i>Diagnosis and Therapy of Diseases Based Upon the Knowledge of Host Innate Immune Defense</i> (Prof. Goutam Gupta, USA)</li><li>• Clinical and medical microbiology, infectious diseases and antimicrobials. Public health</li><li>• Antimicrobial resistance. Mechanisms of action of antimicrobial agents</li></ul>	<ul style="list-style-type: none"><li>• Antimicrobial materials science and surface chemistry. Antimicrobials in consumer products</li><li>• Antimicrobial chemistry</li><li>• Workshop: Natural Bioactive Compounds for Therapeutic Textiles</li></ul>	<ul style="list-style-type: none"><li>• Antimicrobial natural products I - Peptides</li><li>• Antimicrobial natural products II - Terrestrial and marine organisms</li><li>• Bacteriophages</li><li>• Biofilms</li></ul>

- There will be 5 poster sessions at the entrance hall and the courtyard of the conference venue (Palacio de Congresos y Exposiciones Costa del Sol-Torremolinos)

<b>POSTER PRESENTATIONS SCHEDULE</b>		
<b>Day</b>	<b>Time</b>	<b>Sessions</b>
Wednesday, June 29 <sup>th</sup>	From 16:45 to 17:45	<ul style="list-style-type: none"> <li>• Clinical and medical microbiology, infectious diseases and antimicrobials. Public health</li> <li>• Antimicrobial resistance. Mechanisms of action of antimicrobial agents</li> <li>• Techniques and Methods</li> </ul>
Thursday, June 30 <sup>th</sup>	From 10:45 to 11:30	<ul style="list-style-type: none"> <li>• Antimicrobial materials science and surface chemistry. Antimicrobials in consumer products</li> <li>• Antimicrobial chemistry</li> <li>• Non-antibiotic biocides</li> </ul>
	From 16:30 to 17:15	
Friday, July 1 <sup>st</sup>	From 10:45 to 11:30	<ul style="list-style-type: none"> <li>• Antimicrobial natural products I - Peptides</li> <li>• Antimicrobial natural products II - Terrestrial and marine organisms</li> <li>• Biocontrol. Biosynthesis of antimicrobials</li> <li>• Bacteriophages</li> <li>• Biofilms</li> </ul>
	From 16:00 to 16:45	

Posters are expected to be posted during the whole day assigned from 9:00 to 19:00-20:00 (approximately). Presenters are expected to be available for discussion of their posters during the corresponding sessions.

## SCIENTIFIC PROGRAM

9:00-11:00	<p align="center"><b>Registration &amp; coffee</b></p> <p align="center"><b>Wednesday, June 29<sup>th</sup> 2016 (Entrance hall)</b></p> <p align="center">(Registration can also be done at any time during the Conference)</p>
ORAL PRESENTATIONS	
<p><b>Wednesday, June 29<sup>th</sup> 2016</b></p> <p><b>Hall 1</b></p>	
Clinical and medical microbiology, infectious diseases and antimicrobials. Public health (Part I)	
Chair: Mauro Prato (University of Torino, Italy)	
11:00-12:00	<p align="center"><b>PLENARY LECTURE</b></p> <p align="center"><b>Diagnosis and Therapy of Diseases Based Upon the Knowledge of Host Innate Immune Defense</b></p> <p align="center">Goutam Gupta (Los Alamos, USA)</p>
12:00-12:15	<p><b>Approach to model the transmission of ESBL/AmpC producing <i>E. coli</i> along the poultry production chain</b></p> <p>Annemarie Käsbohrer</p>
12:15-12:30	<p><b>Important interactions between phytochemicals from <i>Cytisus striatus</i>: from their role in plant defense system to their application as antibiotic-potentiating compounds against resistant <i>Staphylococcus aureus</i></b></p> <p>Ana Cristina Abreu</p>
12:30-12:45	<p><b>A global perspective about isoflavonoids: from their role in defence of <i>Leguminosae</i> plants to their application in clinical setting as antibiotic potentiators against MRSA</b></p> <p>Ana Cristina Abreu</p>
12:45-13:00	<p><b>A prototype vaccine against Methicillin-resistant <i>Staphylococcus aureus</i> infection</b></p> <p>Jiandong Huang</p>
13:00-13:15	<p><b>Assessing the impacts of viscosity on predation by <i>Bdellovibrio bacterivorus</i> HD100</b></p> <p>Hansol Im</p>
13:15-14:30	<p align="center"><b>LUNCH BREAK (Buffet at the main hall)</b></p>
Clinical and medical microbiology, infectious diseases and antimicrobials. Public health (Part II)	
Antimicrobial resistance. Mechanisms of action of antimicrobial agents (Part I)	
Chair: Sander Smits (Heinrich Heine University Düsseldorf, Germany)	
14:30-14:45	<p><b>Structural basis of antimicrobial peptide recognition by the lantibiotic resistance protein from <i>Streptococcus agalactiae</i></b></p> <p>Sander Smits</p>

14:45-15:00	<p><b>Bacterial predation as an alternative to treat bacterial pathogens</b></p> <p>Heeun Kwon</p>
15:00-15:15	<p><b>Alarming emergence of <i>bla</i>NDM-1 in Gram negative bacilli in a Tertiary Care Hospital in Aligarh, Uttar Pradesh, India</b></p> <p>Meher Rizvi</p>
15:15-15:30	<p><b>Causative Agents and its Sensitivity Pattern in Acute and Chronic Dacryocystitis</b></p> <p>Syed Ali Raza Rizvi</p>
15:30-15:45	<p><b>Distribution of Carbapenemase genes among <i>Klebsiella pneumoniae</i> in Trakya University Hospital in Turkey located in the Balkan Region</b></p> <p>Sebnem Bukavaz</p>
15:45-16:00	<p><b>Isothiocyanates as antimicrobial agents controlling Enterohaemorrhagic <i>Escherichia coli</i> (EHEC) virulence</b></p> <p>Dariusz Nowicki</p>
16:00-16:15	<p><b>Role of a putative polysaccharide gene cluster in the pathogenicity of multi-antibiotic resistant <i>Enterococcus faecium</i></b></p> <p>Liaqat Ali</p>
16:15-16:30	<p><b>Creation of GARD, a Genotype-Linked Antibiotic Resistance Database</b></p> <p>Manel Camps</p>
16:30-16:45	<p><b>Resistance to biocides in <i>Listeria monocytogenes</i> collected in meat-processing environments</b></p> <p>Daniele Conficoni</p>
16:45-17:45	<p align="center"><b>POSTER SESSION &amp; COFFEE BREAK (at the main hall)</b></p>
Antimicrobial resistance. Mechanisms of action of antimicrobial agents (Part II)	
Chair: Goutam Gupta (Los Alamos National Laboratory, United States of America)	
17:45-18:00	<p><b><i>In situ</i> probing and real-time monitoring of action at the molecular level of an antimicrobial peptide within sessile bacteria over the early stages of biofilm formation</b></p> <p>François Humbert</p>
18:00-18:15	<p><b><i>Escherichia coli</i> in Australian piglets – the hidden carriers of important resistance genes</b></p> <p>Lechelle van Breda</p>
18:15-18:30	<p><b>Faster wound healing resulting from a targeted elimination of bacterial pathogens by Artilysin®</b></p> <p>Stefan Miller</p>
18:30-18:45	<p><b>A Metabolic Block Promoting Bactericidal Activity of Sulfa Drugs</b></p> <p>Liem Nguyen</p>
18:45-19:00	<p><b>Vancomycin-loaded dextran sulfate/perfluoropentane nanobubbles for controlled drug release against methicillin-resistant <i>Staphylococcus aureus</i> infections</b></p> <p>Mauro Prato</p>
19:00-19:15	<p><b>Antibiotic Resistance of Bacteria and Environmental Parameters in Sediments of Eastern Mediterranean Sea</b></p> <p>Ilknur Tuncer</p>

19:15-19:30	<b>Elastase secretion profile from Brazilian clinical isolates of <i>Pseudomonas aeruginosa</i>: effects of 1,10-phenanthroline and its derivatives on the enzymatic activity and expression</b> Livia Viganor da Silva
19:30-19:45	<b>Rapid detection of anthrax and botulinum toxins by ultrasensitive cleavage-based PCR assay</b> Igor Shemyakin

<b>Thursday, June 30<sup>th</sup> 2016</b>	
<b>Hall 1</b>	
Antimicrobial materials science and surface chemistry. Antimicrobials in consumer products (Part I)	
<b>Chair: Joerg C. Tiller (BCI/BMP, Germany)</b>	
9:00-9:15	<b>Use of electrospinning to develop antimicrobial ZnO-based nanomaterials of interest in food packaging and food contact surfaces</b> Jinneth Lorena Castro Mayorga
9:15-9:30	<b>Bioactive functionalization of cellulose materials as an antimicrobial alternative</b> Lidija Fras Zemljic
9:30-9:45	<b>The development of effective antimicrobial coatings based on cellulose derivatives and commercial solubilizates of sorbic and benzoic acids for food packaging application</b> Michał Jarosz
9:45-10:00	<b>Old agent reinvented – antimicrobial efficacy of copper treated calcium carbonates</b> Martina Knupfer
10:00-10:15	<b>High-level production of deoxyviolacein, a bacterial pigment effective against <i>S. aureus</i></b> SeongYeol Choi
10:15-10:30	<b>The Biocide Toolbox (BTB): Atomic Force Microscopic (AFM) Studies of Mono-Molecular Biocide Films and Bacterial Potency on 2D Surfaces</b> Ralph Cooney
10:30-10:45	<b>Assessment of antibacterial activity of metal oxide containing conveyor belts with Electron Spin Resonance technique</b> Gorkem Gedik
10:45-11:30	<b>POSTER SESSION &amp; COFFEE BREAK (at the main hall)</b>
Workshop	
11:30-13:30	<b>Natural Bioactive Compounds for Therapeutic Textiles</b> Jin Hyung Lee (Korea Institute of Ceramic Engineering and Technology) Madalina Georgiana Albu Kaya (INCDTP-Leather and Footwear Research Institute) Durmus Alpaslan Kaya (Mustafa Kemal University) Chang Seok Lee (Yeejoo Co.)
13:30-14:45	<b>LUNCH BREAK (Buffet at the main hall)</b>
Antimicrobial materials science and surface chemistry. Antimicrobials in consumer products (Part II)	
<b>Chair: Katsutoshi Hori (Nagoya University, Japan)</b>	
14:45-15:00	<b>Coating biomaterial surfaces through self-assembly of antimicrobial silk</b> Linnea Nilebäck
15:00-15:15	<b>Alternative approaches in designing antimicrobial wound dressing</b> Zdenka Peršin

15:15-15:30	<b>Withdrawn</b>
15:30-15:45	<b>Combining Lotus-Effect with antimicrobial contact-activity</b> Nicolas Rauner
15:45-16:00	<b>Design and Mechanisms of Contact-Active Antimicrobial Surfaces Derived by Surface Grafted Biocidal Groups</b> Joerg C. Tiller
16:00-16:15	<b>Antimicrobial Dressings and Biofilms: Interpreting evidence from <i>in vitro</i> biofilm models</b> Katie Bourdillon
16:15-16:30	<b>Application of laser for producing antibacterial textile</b> Sheila Shahidi
16:30-17:15	<b>POSTER SESSION &amp; COFFEE BREAK (at the main hall)</b>
Antimicrobial chemistry	
<b>Chair: İsmail Kıran (Eskisehir Osmangazi University, Turkey)</b>	
17:15-17:30	<b>Novel "Customizable Units" for the generation of unusual amino acids in potential antimicrobial peptides</b> Alicia Boto Castro
17:30-17:45	<b>Biotransformation of Diterpene Abietic Acid by Fungi</b> İsmail Kıran
17:45-18:00	<b>Distinct protein motifs determine the antifungal activity of PAF</b> Christoph Sonderegger
18:00-18:15	<b>Deactivating Biocidal Polymers by Cleaving a Single Bond</b> Christian Krumm
18:15-18:30	<b>Polymer antibiotic conjugates based on ciprofloxacin</b> Martin Schmidt
18:30-18:45	<b>ATP competitive inhibitors of DNA gyrase B as novel antibacterials</b> Tom Solmajer
18:45-19:00	<b>Nontoxic, Hydrophilic Cationic Polymers – Identified as new Class of Antimicrobial Polymers</b> Arne Strassburg
19:00-19:15	<b>Oxygen-loaded chitosan/perfluoropentane nanobubbles as promising antimicrobial devices to promote wound healing</b> Nicole Finesso
19:15-19:30	<b>Antimicrobial activity of Koruk (<i>Vitis vinifera</i> L.) juice against food-borne microorganisms</b> Ilkin Sengun

<b>Friday, July 1<sup>st</sup> 2016</b>	
<b>Hall 1</b>	
Antimicrobial natural products I - Peptides (Part I)	
<b>Chair: Fatih Demirci (Anadolu University, Turkey)</b>	
9:00-9:15	<b>Synergistical antifungal combination of Foeniculi aetheroleum with oxiconazole and terbinafine against human pathogenic <i>Candida</i> strains</b> Fatih Demirci
9:15-9:30	<b>Beta-sheet forming peptides with <i>in vitro</i>, intracellular and antibiofilm activities against <i>Mycobacterium tuberculosis</i></b> Jasmeet Singh Khara
9:30-9:45	<b>Development of potential antimicrobial peptides for agriculture and human health by site-selective peptide modification</b> Alicia Boto Castro
9:45-10:00	<b>The effect of covalent immobilization on the antibacterial activity of an Antimicrobial peptide (Dhvar5)</b> Fabiola Costa
10:00-10:15	<b>The role of the central hydrophobic core for structural stability, and antifungal activity of <i>Neosartorya fischeri</i> antifungal protein</b> László Galgóczy
10:15-10:30	<b>Antimicrobial activity of cathelicidins of mammals from avian, aquatic and terrestrial environments</b> José Manuel Pérez de la Lastra
10:30-10:45	<b>Novel lantibiotic encoding cluster identified by genome mining</b> Dipti Sareen
10:45-11:30	<b>POSTER SESSION &amp; COFFEE BREAK (at the main hall)</b>
Antimicrobial natural products I – Peptides (Part II)	
Biofilms Bacteriophages	
<b>Chair: Florentine Marx (Medical University of Innsbruck, Austria)</b>	
11:30-11:45	<b>The membrane lipid composition regulates the susceptibility of fungi to the antifungal protein PAF</b> Florentine Marx
11:45-12:00	<b>Drivers of antibacterial activity: stable peptide oligomers</b> Nermina Malanovic
12:00-12:15	<b>The nanoFleming: High-throughput screening for combinatorial antimicrobial peptides</b> Steven Schmitt
12:15-12:30	<b>Nano-fibrils of bacterial cellulose functionalized with nanomaterials</b> François Barja

12:30-12:45	<b>Functional and structural characteristics of an <i>Acinetobacter</i> trimeric autotransporter adhesin for bacterial cell adhesion</b> Katsutoshi Hori
12:45-13:00	<b><i>Staphylococcus aureus</i> Vesicles Inhibits Other ESKAPE Pathogens from Forming Biofilms by Modulating the Surface Hydrophobicity</b> Hansol Im
13:00-13:15	<b>Is phage therapy for Lyme disease possible?</b> Jinyu Shan
13:15-13:30	<b>Repurposing Anticancer Drugs to Combat Recalcitrant Bacterial Infections</b> Rodolfo Garcia Contreras
13:30-14:45	<b>LUNCH BREAK (Buffet at the main hall)</b>
Antimicrobial natural products II - Terrestrial and marine organisms (Part I)	
<b>Chair: Birendra Prasad (Patna University, India)</b>	
14:45-15:00	<b>Growth inhibition of multidrug resistant <i>Staphylococcus aureus</i> using violacein extracts from a novel strain of <i>Pseudoduganella</i></b> SeongYeol Choi
15:00-15:15	<b>An antifungal agent produced by <i>Streptomyces</i> sp. US1</b> Birendra Prasad
15:15-15:30	<b>The antibactericidal effect of docosahexaenoic acid-loaded nanostructured lipid carriers against <i>Helicobacter pylori</i></b> Catarina Leal Seabra
15:30-15:45	<b>Surface coating and emulsion encapsulation with isoeugenol to combat food-related biofilms</b> Christina Krosgård Nielsen
15:45-16:00	<b>Antimicrobial activity of reptile and bird cathelicidins</b> José Manuel Pérez de la Lastra
16:00-16:45	<b>POSTER SESSION &amp; COFFEE BREAK (at the main hall)</b>
Antimicrobial natural products II - Terrestrial and marine organisms (Part II)	
<b>Chair: Christoph Zutz (University of Veterinary Medicine Vienna, Austria)</b>	
16:45-17:00	<b>Myxobacteria in moors – an astonishing diversity in an unusual habitat</b> Kathrin I. Mohr
17:00-17:15	<b><i>Tulbaghia violacea</i> aqueous plant extract reduces ergosterol production in <i>Aspergillus flavus</i></b> Benesh Munilal Somai
17:15-17:30	<b>Valproic acid induces antimicrobial compound production in <i>Doratomyces</i> microspores</b> Christoph Zutz

17:30-17:45	<b>Investigating the effects of manuka honey on bacterial growth using model organism <i>Pseudomonas aeruginosa</i></b> Daniel Bouzo
17:45-18:00	<b>Withdrawn</b>

POSTER PRESENTATIONS (at the main hall)

Wednesday, June 29 <sup>th</sup> 2015 From 16:45-17:45		
Clinical and medical microbiology, infectious diseases and antimicrobials. Public health Antimicrobial resistance. Mechanisms of action of antimicrobial agents Techniques and Methods		
Code	Title	Presenter(s)
W1	<i>Allium</i> extracts application as an alternative to the use of antibiotics in pets	Alberto Baños
W2	Prevalence of mcr-1 gene in colistin resistant <i>E. coli</i> from the German national resistance monitoring 2010-2015	Annemarie Kaesbohrer
W3	<i>Clostridium difficile</i> nowadays: The NAP1/B1/027 strain	Diego Abelardo Álvarez Hernández
W4	Comparison of polymyxin B and colistin against battery of clinical isolates of <i>Pseudomonas aeruginosa</i> , <i>Acinetobacter baumannii</i> and <i>Klebsiella pneumoniae</i> strains	Elif Karaaslan
W5	<i>In vitro</i> effect of the combination of enrofloxacin with essential oils against <i>Salmonella Typhimurium</i>	Fabiana Carolina de Aguiar
W6	Antimicrobial Activity of Five Essential Oils against <i>Streptococcus suis</i>	Fabiana Carolina de Aguiar
W7	A strategic diagnostic testing algorithms for identify the dengue infection during outbreak at Chi Mei Medical Center in Taiwan 2015	Hui Chuan Shen
W8	Emilia Romagna's strategy towards a better use of antibiotics in Veterinary Medicine	Julie Rambaldi
W9	Cross resistance among azoles compounds against environmental <i>Cryptococcus</i> isolates	Lidiane Oliveira
W10	Susceptibility to fluconazole of a large collection of clinical <i>Cryptococcus neoformans</i> isolates	Lidiane Oliveira
W11	Efficiency of Essential Coll - a novel natural wound dressing for infected soft tissues	Madalina Georgiana Albu Kaya, Durmus Alpaslan Kaya
W12	Identification of antimicrobial resistance genes and plasmid typing in <i>E. coli</i> isolates from wild boars.	María Gil Molino
W13	Oxygen-loaded chitosan/2H,3H-decafluoropentane nanodroplets as anti-fungal devices to promote wound healing.	Mauro Prato
W14	Chitosan/2H,3H-decafluoropentane nanodroplets as anti-bacterial and skin-friendly devices for ultrasound-triggered transdermal delivery	Nicole Finesso
W15	Veterinary Pharmacovigilance: drugs traceability and antimicrobial consumption. A Pilot Study in Piedmont Region.	Raffaella Barbero, Giovanni Re
W16	<i>In vitro</i> fungicidal effect of amphotericin B by time kill studies against <i>Candida</i> bloodstream isolates	Sonia Ueda Purisco
W17	Antimicrobial effect of isothiocyanates on <i>Staphylococcus aureus</i> and <i>Klebsiella pneumoniae</i>	Agnieszka Szalewska-Pałasz

W18	Prevalence of tetracycline resistance in subgingival microbiota of both healthy and periodontitis patients	Alexandre Arredondo
W19	The prevalence and clonal diversity of <i>Acinetobacter baumannii</i> in Kuwait	Ali Dashti
W20	Structural analysis of the tobramycin and gentamicin clinical resistome reveals limitations for next-generation aminoglycoside design	Angelia Bassenden
W21	Withdrawn	Withdrawn
W22	Mechanisms of resistance to quinolones: An area of primary priority for research	Diego Abelardo Álvarez Hernández
W23	Antibiotic resistance in hospital wastewater microbiota	Edina-Kriszta Szekeres
W24	Rapid Diagnosis of Antimicrobial Resistance (Cephalosporins) in Bacteria by Orbitrap Mass Spectrometry	JeongWoo Kang
W25	The lactate dehydrogenase 1 (ldh1) in <i>Staphylococcus aureus</i> : role in susceptibility to glycopeptide antibiotics	Kwang-Jun Lee
W26	Tracking Korean hospitals outbreak of OXA-232-producing <i>Klebsiella pneumoniae</i> with whole genome sequencing	Kwang-Jun Lee
W27	Resistance genes on Genomic Islands and its association with the susceptible phenotype of <i>Pseudomonas aeruginosa</i>	Luis Fernando Espinosa Camacho
W28	Proposing a resistome for the genus <i>Serratia</i>	Luisa Sandner Miranda
W29	Prevalence of Methicillin-Resistant Staphylococci in Veterinary Teaching Hospital of University of Extremadura	María Bravo
W30	Antibiotic resistance and prokaryotic diversity in surface waters - a human activity impact perspective	Maria Cecilia Chiriac
W31	Antimicrobial susceptibility pattern of carbapenem-resistant Enterobacteriaceae (CRE) at Songklanagarind hospital in Thailand	Mingkwan Yingkajorn
W32	Can repeated sub-lethal exposure to antimicrobial 405 nm light induce tolerance in <i>Staphylococcus aureus</i> ?	Rachael Tomb
W33	A search of carbapenem resistance related specific genes in <i>Acinetobacter baumannii</i>	Soel Hui Kim
W34	Prevalence of antibiotic resistance and integrons in commensal <i>Escherichia coli</i> isolated from the river Yamuna (Delhi, India)	Somendra Singh Nambram
W35	Contribution of media and stationary phase physiology to refractoriness of <i>Staphylococcus aureus</i>	Spyridon Gkatzis, Eva Kis Danielne Hell
W36	The Relevance of <i>Staphylococcus aureus</i> ' sigma factor B in the Paradoxical Response to Ciprofloxacin	Spyridon Gkatzis, Eva Kis Danielne Hell
W37	New approach for isolation of high-affinity anti-anthrax toxin DNA aptamers using on- and off-rate selection and tandem affinity purification	Igor Shemyakin
W38	Photoinactivation of <i>E. coli</i> with methylene blue and toluidine blue loaded by silica nanoparticles using central composite design	Janice Perussi
W39	The Development of Reporter Fluorescent Viral Particles and their Application in Detection and Anti-Viral Molecules Screening	Mihayl Varbanov

W40	Enhancing analytical performance and laboratory efficiency by automated real-time PCR-based assay for hepatitis C virus genotyping	Ting-Chun Hung
W41	Comparative analysis of microbial community between skin bacteria and fabrics.	YongBin Eom, SoYeon Lee
W42	Molecular Characterization of Multidrug-Resistant <i>Acinetobacter baumannii</i> isolated from Patients in Intensive Care Units in Jordan	Suhaila Al-Sheboul
W43	Plasmid determinants involved in spread of CMY-2 and CTX-M type $\beta$ -lactamases in <i>Escherichia coli</i> clones isolated from distant reservoirs	Gerardo Cortés-Cortés
W44	Diversification of carbapemases in <i>Pseudomonas aeruginosa</i> clinical isolates in Korea: emergence of IMP-10 and GES-24	Lee-Sun Park

<b>Thursday, June 30<sup>th</sup> 2015</b> <b>From 10:45-11:30 and from 16:30-17:15</b>		
Antimicrobial materials science and surface chemistry. Antimicrobials in consumer products Antimicrobial chemistry Non-antibiotic biocides		
Code	Title	Presenter(s)
T1	<i>In situ</i> synthesis of copper nanoparticles on plasma treated cotton fabric: Antibacterial properties	Bahareh Moazzenchi
T2	Anti-bacterial material by applying a natural bio-active substances pigment Violacein	Chang Seok Lee
T3	Tailor-made design of functionalized glycopolymers	José M. Palomo
T4	The comparison of antimicrobial activity of benzoic and sorbic acid solubilisates as potential components of food packaging coating	Magdalena Ordon
T5	Influence of Cecropin-Melittin antimicrobial coating in platelet adhesion/activation to biomaterials	Micaela Machado Querido
T6	Withdrawn	Withdrawn
T7	Effect of ferulic acid addition on the photobactericidal activity of ultraviolet-A light against food-borne pathogenic and spoilage microbes	Akihiro Shirai
T8	Functionalized and lipophilic Prodrugs of novel Inhibitors of the bacterial RNAP	Alexandra Ruthenbeck
T9	Antiviral activities of polymethoxyflaones on feline foamy viral proliferation	Cha-Gyun Shin
T10	Virtual screening of efflux pump inhibitors and <i>in vitro</i> activity against multidrug-resistant <i>Pseudomonas aeruginosa</i>	Emiliano Laudadio, Gianmarco Mangiaterra
T11	Designing novel inhibitors for Metallo $\beta$ -lactamases	Giuseppe Celenza
T12	In Favor of Identifying Effective Antimicrobial Agents: Synthesis and Antimicrobial Studies on New Cyclopentyl-Acetamide Derivatives Bearing Thiazoline Moiety	Gülhan Turan
T13	Microbial Transformation of Perillyl Alcohol by a Variety of Microorganisms	İsmail Kıran
T14	Synthesis, antimicrobial effect and surface properties of hydroxymethyl-substituted pyridinium salts	Jan Marek
T15	Salicylanilide derivatives active against <i>Mycobacterium tuberculosis</i> and MDR strains	Jarmila Vinsova
T16	Simple and efficient synthesis of glycosyl building blocks for the preparation of antimicrobial glycoderivatives	José M. Palomo
T17	Towards New Anti – Tuberculosis Drugs: Virtual Screening, <i>In Silico</i> Toxicity Evaluation, and <i>In Vitro</i> Assay of Compounds Targeted Against <i>Mycobacterium Tuberculosis</i> Lipoate Protein Ligase B (LipB)	Maria Constancia Carrillo
T18	Synthesis and <i>in vitro</i> antimicrobial evaluation of substituted derivatives of pyrazinoic acid	Martin Dolezal
T19	Porphyrin models as sensitizers in photodynamic inactivation of Herpes Simplex Virus	Mihai Cosmin Corobea



T20	Zn-Al layered double hydroxides an eco-friendly solution against pathogens	Mihai Cosmin Corobea
T21	Antimicrobial Polymers in Solution and on Surfaces	Montasser Hijazi
T22	Biotransformation of $\beta$ -Caryophyllene and Longifolene by <i>Wolfiporia cocos</i>	Özge Özsen
T23	Investigating the Cytotoxicity of Biotransformation Metabolites of Abietic Acid	Özge Özsen
T24	Targeting bacterial persisters with small molecular probes	Sara Sattin
T25	Preparation and antimicrobial activity of Collagen/ZnTiO <sub>3</sub> porous nano-composites	Todorka Vladkova
T26	Partial purification and phytochemical analysis of <i>Tulbaghia violacea</i> aqueous plant extract	Vuyokazi Belewa
T27	Antibacterial and antifungal effects of <i>Thymra spicata</i> -clay systems	Zina Vuluga
T28	Comparing the antimicrobial activity of different commercially available cationic polymers	Joachim Koeser
T29	Copper stress response is mediated by CrpA P1-type ATPase in the filamentous ascomycete <i>Aspergillus nidulans</i>	Martzel Antsotegi Uskola
T30	The effect of permeabilizing substances on the outer membrane of gram-negative bacteria and their efficacy in weaning pigs	Nataliya Roth
T31	Correlation of intrinsic lipid curvature and membrane-permeabilization activities of antimicrobial peptides	Regina Leber
T32	Photodynamic Antimicrobial Chemotherapy (PACT), using Toluidine blue inhibits <i>Candida krusei</i>	Maricilia Costa
T33	Effectiveness of Corduk ( <i>Echinophora tenuifolia</i> subsp. <i>sibthorpiana</i> ) on <i>Salmonella Typhimurium</i> and some quality characteristics of beef meatball	Ilkin Sengun

**Friday, July 1<sup>st</sup> 2015**

**From 10:45-11:30 and from 16:00-16:45**

Antimicrobial natural products I – Peptides Antimicrobial natural products II - Terrestrial and marine organisms Biocontrol. Biosynthesis of antimicrobials Bacteriophages Biofilms		
Code	Title	Presenter(s)
F1	Subchronic toxicity study in BALBc mice of enterocin AS-48, an anti-microbial peptide produced by <i>Enterococcus faecalis</i> UGRA10	Alberto Baños
F2	Inhibition of <i>Helicobacter pylori</i> urease activity by <i>Origanum vulgare</i> extract. Proteomics and genomics analysis	Ana Correa
F3	Effect of resveratrol in <i>Helicobacter pylori</i> clinical isolates studied by different methods.	Ana Correa
F4	Ultrastructural damage in <i>Streptococcus mutans</i> incubated with histatins	Ana María Fernández Presas
F5	The membrane lipid composition determines the susceptibility of <i>Neurospora crassa</i> to small, cysteine-rich and cationic antifungal proteins	Anna Huber
F6	Withdrawn	Withdrawn
F7	New cyclic pentapeptides with selective antibacterial activity against <i>Acinetobacter baumannii</i>	Francisco Javier Ortiz López
F8	Effect of Surface Charge on the Behaviour of Antimicrobial Peptide GL13K with Model Membranes	Hala Youssef
F9	Engineering Lanthionine Rings In Eukaryotic Antimicrobial Peptides	Jingjing Deng
F10	Nisin complexation with food-grade biopolymers increases its proteolytic stability	Jolanta Sereikaite
F11	Isolation of a novel, cysteine-rich antifungal protein with anti-yeast activity from <i>Neosartorya fischeri</i> NRRL 181	László Galgóczy
F12	The influence of laurel oil on antimicrobial activity and biocompatibility of collagen wound dressings	Madalina Georgiana Albu Kaya
F13	The insect antimicrobial peptides and their synthetic analogues as new effective antifungal drugs	Marie Kodedová
F14	Unveiling novel antimicrobial peptides from nature to combat food spoilage pathogens	Niamh Maire Mohan
F15	Powerfull bacteriocins produced by <i>Bacillus thuringiensis</i> strains isolated from soil at northern Algeria	Rabia Allouane-Gounina
F16	Antiviral Action of Hydromethanolic Extract of Geopropolis from <i>Scaptotrigona Postica</i> against Rubella Virus Replication	Ronaldo Zucattelli Mendoça
F17	Antibacterial Activity of Colombian Plant Essential Oils and the Modulation of the Antibiotic Activities in Methicillin-Resistant <i>Staphylococcus aureus</i>	Silvia Ximena Barrios Martínez
F18	Synthetic peptide Lys- A1 favours the antimicrobial activity of ciprofloxacin against clinical pathogens	Victor Aragao Abreu Freitas

F19	Carboxylic acids of the trail of a slug to fight measles virus	Ana Rita de Toledo Piza
F20	Combinatorial antibiotic effects of natural biocide cocktails	Anita Loeschcke
F21	Oxidative stress response by <i>Staphylococcus aureus</i> methicillin-resistant (MRSA) exposed at sub-lethal concentrations of lantibiotic nisin, oxacillin and their combination	Ary Fernandes Junior
F22	Anti- <i>Staphylococcus aureus</i> methicillin resistant (MRSA) effects of <i>Apis mellifera</i> apitoxins from different floral sources and synergism with the oxacillin	Ary Fernandes Junior
F23	Antifungal screening of microbial and plant extracts: new antifungal compounds obtained from Streptomyces species isolated from marine microorganisms	Caridad Díaz Navarro
F24	Antimicrobial properties of some wild mushroom extracts	Gabriela Popa
F25	Withdrawn	Withdrawn
F26	SOS response in bacteria: inhibitory activity of lichen secondary metabolites against RecA protein	Giuseppe Celenza
F27	Evaluation of the antiviral properties of bioactive extracts of lactic acid bacteria isolated from yoghurt	Mihayl Varbanov
F28	Application of plant ceramide as antibacterial agent to prevent <i>Escherichia coli</i> O157:H7 infection	Narito Asanuma
F29	Antibacterial activity of <i>Bacillus thuringiensis</i> crystalline parasporal proteins (delta-endotoxins)	Rabia Allouane-Gounina
F30	Antimicrobial activity of essential oils. <i>In vitro</i> efficacy of <i>Ocimum basilicum</i> essential oil extracted by supercritical carbon dioxide in rainbow trout ( <i>Oncorhynchus mykiss</i> ) affected by <i>Lactococcus garvieae</i> .	Raffaella Barbero, Giovanni Re
F31	Antimicrobial activity of natural compounds against <i>Listeria monocytogenes</i>	Raquel Montiel
F32	Natural antimicrobials to control <i>Listeria monocytogenes</i> in dry-cured ham	Raquel Montiel
F33	Screening of Antibacterial Activity of Soil Borne Filamentous Fungi	Rasime Demirel
F34	Anti-Candida activity of extract and fractions of <i>Piper umbellatum</i> L. leaves	Rosemeire Cristina Linhari Rodrigues Pietro
F35	Synergistic antibacterial efficacies of chlorhexidine digluconate or protamine sulfate combined with <i>Laminaria japonica</i> or <i>Rosmarinus officinalis</i> extracts against <i>Streptococcus mutans</i>	Si Young Lee
F36	Antifungal activity of marine guanidine compounds against <i>Cryptococcus neoformans</i> and <i>Cryptococcus gattii</i>	Sonia Ueda Purisco
F37	Anti-quorum sensing activity of long chain phenols of <i>Amphipterygium adstringens</i> .	Victoria González Islas
F38	Bioengineering of nisin to create antimicrobial peptides targeted against Gram-negative pathogens	Qian Li
F39	Novel microbial production strategies for natural products with antimicrobial properties	Stephan Thies

F40	Isolation and characterization of <i>Salmonella</i> phages isolated from various food associated environments	Kitiya Vongkamjan
F41	Isolation and characterization of bacteriophages specific to <i>Vibrio parahaemolyticus</i> causing acute hepatopancreatic necrosis disease in shrimp	Varaporn Vuddhakul
F42	Glycomimetics and <i>Bdellovibrio</i> -based predation as alternative strategies to fight catheter-associated urinary tract infections <i>in vitro</i>	Andreas Reisner
F43	Investigation of the effects of various antibiotics against <i>Klebsiella pneumoniae</i> biofilms on in-vitro catheter model.	Berna Özbek Çelik
F44	Evaluation of Anti-biofilm Property of <i>Perilla frutescens</i> Essential Oils against Plant Pathogenic Fungi	Luca De Vincenti
F45	Pursuing adhesion mechanism of the AtaA belonging to the TAA family by using in-frame deletion	Sota Aoki
F46	Siloxane composition coatings with excellent anti-biofilm efficiency	Todorka Vladkova
F47	Antibiofilm activity of natural extract compound against <i>Staphylococcus aureus</i>	YongBin Eom, Seung Gyun Woo
F48	Casamino Acids Inhibits Cell Adhesion and Autoagglutination Mediated by a Trimeric Autotransporter Adhesin in an Acinetobacter strain	Yuki Ohara

**VIRTUAL PRESENTATIONS (online platform on the conference website)**

Title	Presenter(s)
A Simple Test to Detect the Presence of Indoor Molds and the Anti-mold Activity of Extracts from Some Selected Mushrooms	Daniel Abugri
Antibiotic polyethers produced by the Algerian soil-living <i>Streptomyces youssoufiensis</i> strain	Leulmi Nassima
Antileishmanial activity of protease streblin from latex of <i>Strablus asper</i> , an Indian medicinal plant	Pinky Tripathi
Antimicrobial activity and mode of action of novel ferrocenyl chalcones	Elecia Henry
Antimicrobial activity improvement of novel abietane cationic amphiphiles from dehydroabietic acid.	Íris Neto
Antimicrobial activity of cathelicidins against <i>Acanthamoeba</i> species	Antonio Ortega Rivas
Antimicrobial activity of cathelicidins for agricultural use	Andrés Borges Rodríguez
Bacteriophages? Please, for a safety sashimi	Samuel Migueis
Effect of photodynamic therapy on the virulence factors of <i>Staphylococcus aureus</i> preparation.	Adelaide Almeida
Effects of heating on antimicrobial and antioxidant grape marc extract	Charlotte Vandermeer
Identification of the uptake mechanism of selective antibacterial peptides by polarity index method	Carlos Polanco
Meticillin-resistant <i>Staphylococcus aureus</i> strains isolated from blood and their antimicrobial resistance in an Infectious Diseases Hospital from Romania	Liana-Catalina Gavrilu
Novel Customizable Sulfamate and Sulfamidate Units for Antimicrobial Discovery	Concepción González Martín
Synergetic activity of salicylanilides against vancomycin-resistant <i>Enterococcus faecalis</i>	Šárka Pospíšilová
Use of natural extracts in the preservation of cream cheese	Filomena Nazzaro