

46th World Congress on

MICROBIOLOGY

September 18-19, 2017 Dublin, Ireland



Conference Series - America

One Commerce Center-1201, Orange St. #600, Wilmington, Zip 19899, Delaware, USA
Toll Free: 1-888-843-8169, P: 702-508-5200, F: +1-650-618-1417

Conference Series - UK

Kemp House, 152 City Road, London EC1V 2NX, UK
Toll Free: +0-800-014-8923

Redwood Suite C

conference**series**.com 08:30-08:45

Opening Ceremony

Keynote Forum

08:45-09:00 Introduction

Title: Protein biogenesis in the Picornaviridae: Virus-encoded proteinases, ribosome 'skipping', alternative initiation and programmed ribosomal frame-shifting

09:00-09:40

Martin Ryan, University of St Andrews, UK

09:40-10:20

Title: The role of the human polyomavirus BK in the development of prostate cancer

Maurizio Provenzano, University Hospital of Zürich, Switzerland

Group Photo @ 10:20-10:30

Networking and Refreshments Break 10:30-11:00 @ Redwood Foyer

11:00-11:40 **Title: Biology of Myxobacteria – an underestimated group of antibiotic producing bacteria**

Joachim Wink, Helmholtz Centre for Infection Research, Germany

Sessions: Bacteriology | Virology | Veterinary Microbiology | Mycology | Phycology | Environmental and Agricultural Microbiology

Session Chair: Joachim Wink, Helmholtz Centre for Infection Research, Germany

Session Co-chair: Stef Stienstra, Scientific Advisor Royal Dutch Navy, Netherlands

Session Introduction

11:40-12:05 **Title: Photodynamic inactivation of phytopathogenic fungi with natural and synthetic photosensitizers**

Maria Angela Cunha, University of Aveiro, Portugal

12:05-12:30 **Title: Resistance profile of ESBL positive uropathogenic *E. coli* in a tertiary care teaching hospital in Islamabad, Pakistan**

Rehana A Gilani, Shaheed Zulfiqar Ali Bhutto Medical University, Pakistan

12:30-12:55 **Title: The pathway to Alzheimer's disease**

Herbert B Allen, Drexel University College of Medicine, USA

Panel Discussion @ 12:55- 13:00

Lunch Break 13:00-14:00 @ Restaurant Touzai

14:00-14:25 **Title: The capric acid from *Saccharomyces boulardii* as an antifungal agent: A mechanism study**

Anna Krasowska, University of Wroclaw, Poland

14:25-14:50 **Title: Interdisciplinary studies on Ayurvedic herbal formulation showing antibacterial effect on methicillin resistant *Staphylococcus aureus***

Tatyana Tracevska, University of Latvia, Latvia

14:50-15:15 **Title: Cooperation in public health to fight infectious diseases in developing countries is good for the global economy**

Stef Stienstra, Royal Dutch Navy, Netherlands

15:15-15:40 **Title: Intracellular biofilms**

Herbert B Allen, Drexel University College of Medicine, USA

Panel Discussion @ 15:40-15:45

Networking and Refreshments Break 15:45-16:15 @ Redwood Foyer

Special Session

16:15-17:15 Title: **Tips for a successful technology transfer in life sciences**
Alain Richard, National Research Council of Canada (NRC), Québec, Canada

Panel Discussion

Young Researcher Forum

YRF Judge: Alastair Fleming, Trinity College Dublin, Ireland

17:15-17:30 Title: **Recalcitrant polymers biodegradation by phylloplanic bacterial and fungal isolates: Identification of efficient strains and characterization of the degradation products**

Nicolas Le Goff, University of Technology of Compiègne, France

17:30-17:45 Title: **Macrolide and lincosamide resistance amongst Group B Streptococci – a growing concern?**

Katherine Hayes, Cork Institute of Technology, Ireland

17:45-18:00 Title: **Transcriptomics as a tool to monitor and predict the behaviour of the microbiome in an industrial salt waste water treatment plant**

Albertus Geurkink, University of Groningen, Netherlands

18:00-18:15 Title: **“Myco-fluidics” for soil remediation: Developing a microfluidic tool to monitor the solubilization and uptake of a persistent soil pollutant in filamentous fungi**

Claire Baranger, University of Technology of Compiègne, France

Panel Discussion and Networking

Day 2 September 19, 2017

Redwood Suite C

Keynote Forum

08:30-09:10 Title: **The threat mitigation of emerging infectious diseases globally**

Stef Stienstra, Royal Dutch Navy, Netherlands

09:10-09:50 Title: **Global reprogramming of the *Yersinia pseudotuberculosis* transcriptional landscape in response to host signals**

Petra Dersch, Helmholtz Centre for Infection Research, Germany

09:50-10:35 Title: **Paramyxovirus receptor interactions: Importance in understanding cross species infection, vaccine design and disease treatment**

Sarah Louise Cosby, Queen's University Belfast & Agri-Food & Biosciences Institute, UK

Networking and Refreshments Break 10:35-11:00 @ Redwood Foyer

11:00-11:40 Title: **Improved antibiotic treatments and vaccines against bacterial diseases: Why do we need to understand how the pathogen interacts with the host?**

Pietro Mastroeni, University of Cambridge, United Kingdom

11:40-12:20 Title: **Investigating the role of histone acetylation in the regulation of flocculation in *Saccharomyces cerevisiae***

Alastair Fleming, Trinity College Dublin, Ireland

Sessions: Industrial Microbiology | Food Microbiology | Vaccines and Anti-Microbials | Microbial Immunology | Molecular and Medical Microbiology

Session Chair: Sarah Louise Cosby, Queen's University Belfast & Agri-Food & Biosciences Institute, UK

Session Co-Chair: Pietro Mastroeni, University of Cambridge United Kingdom

Session Introduction

12:20-12:45 Title: **A novel antibiotic effectively inhibiting an unconventional target, Na⁺-translocating NADH:ubiquinone oxidoreductase**

Pavel Dibrov, University of Manitoba, Canada

Panel Discussion & Networking @ 12:45-13:00

Lunch Break 13:00-14:00 @ Restaurant Touzai

14:00-14:25 Title: **Activity of new indole derivatives against *Mycobacterium tuberculosis* and *Mycobacterium avium*, HIV combined mycobacteriosis**

Boris Nikonenko, Central Institute for Tuberculosis, Russia

14:25-14:50 **Title: Effects of stressful life on human skin biota**
Pierre-Yves Morvan, Codif Technologie Naturelle, France

14:50-15:15 **Title: Role of Type III secretion system and the CNFY toxin for the virulence of enteric Yersiniae**
Petra Dersch, Helmholtz Centre for Infection Research, Germany

Panel Discussion and Networking

Workshop

15:15-16:15 **Title: Polyphasic taxonomy – the class Actinobacteria**
Joachim Wink, Helmholtz Centre for Infection Research, Germany

Panel Discussion

Networking and Refreshments Break 16:15-16:45 @ Redwood Foyer

16:45-17:10 **Title: Microbial production of biopolymers using solid-state fermentation with *Bacillus subtilis* natto**
Marcin Łukaszewicz, University of Wrocław, Poland

17:10-17:35 **Title: Leprosy from a different perspective**
Herbert B. Allen, Drexel University College of Medicine, USA

Panel Discussion

Poster Presentations @ Redwood Foyer

Session Judge: Maurizio Provenzano, University Hospital of Zürich, Switzerland

MB 01 **Title: In vivo efficacy of a bacteriophage cocktail for the control of multiple drug-resistant (MDR) *Acinetobacter baumannii* infection of lungs**
Kyoungun Cha, Hankuk University of Foreign Studies, South Korea

MB 02 **Title: Increase of biosurfactant production by co-cultivation of producing bacteria with biofilm-forming strains**
Maria Angela Cunha, University of Aveiro, Portugal

MB 03 **Title: Microbiome analysis and mycobacteria presence in microbiome of Hranice Abyss and Zbrasov Aragonite Caves (Hranice Karst, Czech Republic)**
Milan Bartos, Masaryk University, Czech Republic

MB 04 **Title: Occurrence and characterization of bacteria producing betalactamases isolated from patients with leukaemia**
Ondrej Holy, Palacký University Olomouc, Czech Republic

MB 05 **Title: Molecular analysis of *Mycobacterium tuberculosis* intracellular growth – from disease progression to drug development**
Sandra Diaz, University of British Columbia, Canada

MB 06 **Title: Increase of phage production resulting from overexpression of *hybC* in *Escherichia coli***
Yoonjung Hwang, Hankuk University of Foreign Studies, South Korea

MB 07 **Title: Bacterial stress-induced increase of phage production mediated by a delayed lysis**
Yunyeol Jo, Hankuk University of Foreign Studies, South Korea

MB 08 **Title: Bacteriological quality trend of bottled water in northern Greece**
Malamatenia Arvanitidou, Aristotle University of Thessaloniki, Greece

MB 09 **Title: Removal of bacterial biofilm on intestinal cell surface *in vitro* using bacteriophage**
Wonki Kim, Hankuk University of Foreign Studies, South Korea

MB 10 **Title: Targeted delivery of phages induced anti-cancer effect in mice models**
Yoonjung Hwang, Hankuk University of Foreign Studies, South Korea

MB 11 **Title: The bacteriophage bank of Korea**
Kyoungun Cha, Hankuk University of Foreign Studies, South Korea

Awards & Closing Ceremony