

Scientific Program

Day 1 August 15, 2016

08:45-09:15 Registrations

Garden A

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09:15-09:45

Opening Ceremony

Keynote Forum

- 09:45-10:30 **Title: Microorganisms and their products in cancer therapy and prevention**
Ananda M Chakrabarty, University of Illinois College of Medicine, USA
- 10:30-11:15 **Title: Interactions between *Streptococcus pyogenes* and the host innate immune system that promote bacterial virulence**
Francis J Castellino, University of Notre Dame, Indiana, USA

Networking & Refreshment Break @ Foyer 11:15-11:35

- 11:35-12:00 **Title: Are public campaigns effective to reduce antibiotic overconsumption: Did we fail to provide what is needed by the general practitioner?**
Paul M Tulkens, Université Catholique de Louvain, Belgium

Group Photo

Sessions: Infectious Diseases | Plant Soil and Microbial Sciences | Genetics and Immunology of Microbes

Session Introduction

Session Chair: **Paul M Tulkens**, Université Catholique de Louvain, Belgium

Session Co-chair: **Tatiana Tatusova**, National Center for Biotechnology Information, USA

- 12:00-12:25 **Title: Early gut microbiota response to infectious diarrhoea in Vietnamese infants**
Paola Florez de Sessions, Genome Institute of Singapore, Singapore
- 12:25-12:50 **Title: Diagnosis of *human papillomavirus* infection among heterosexual men and risk factors associated**
Julia Maria Gonçalves Dias, Federal University of Sergipe, Brazil
- 12:50-13:15 **Title: Insights into the Evolutionary History of an Emerging Virus: Banna virus**
Liu Hong, Shandong University of Technology, China

Lunch Break @ Restaurant 13:15-14:00

- 14:00-14:25 **Title: Is the expression of catalase by *Staphylococcus aureus* protective or detrimental to the survival of the bacteria when exposed to H₂O₂ in broth or after phagocytosis by monocytes? Are we disproving a dogma or misinterpreting data?**
Paul M Tulkens, Université Catholique de Louvain, Belgium
- 14:25-14:50 **Title: An essential role of the *rel* gene in aerobic nitrogen fixation by *Anabaena* sp. PCC 7120, a heterocyst-forming filamentous cyanobacterium**
Grigori Gladkov, All-Russia Research Institute for Agricultural Microbiology, Russia
- 14:50-15:15 **Title: Variability in *Escherichia coli* serotype O157:H7 virulence and biofilm-forming properties generated by prophage-related genome alterations**
Gaylen Uhlich, USDA-Agricultural Research Service, USA
- 15:15-15:40 **Title: Keeping Pace with Genome Sequence Data Deluge**
Tatiana Tatusova, National Center for Biotechnology Information, USA
- 15:40-16:05 **Title: Plant-parasitic weed-endophytic bacteria triangle**
Lilach lasur Kruh, ORT Braude College, Israel

Networking & Refreshment Break @ Foyer 16:05-16:25

- 16:25-16:50 **Title: Soil prokaryotes: The inexhaustible metagenomic source for plant fertility promotion**
Elizabeth V Pershina, All-Russia Research Institute for Agricultural Microbiology, Russia
- 16:50-17:15 **Title: Bacterial infection of wounds in Benin City, Nigeria**
Francis E Oronsaye, University Of Benin, Nigeria

Panel Discussion

Day 2 August 16, 2016

Garden A

Keynote Forum

09:45-10:15 **Title: Gastric Microbiota and *Helicobacter Pylori***
Marco Manfredi, "Pietro Barilla" Children's Hospital, University, Italy

Networking & Refreshment Break @ Foyer 10:15-10:35

Workshop on **Diagnostic Medical Parasitology**
by: **Lynne S Garcia**, LSG & Associates, USA Supported by **Medical Chemical Corporation, USA**

10:30-11:15 **Test Menu/Orders, Specimen Collection and Processing (Includes Universal Fixative/Total-Fix), O&P vs Fecal Immunoassays, Special Stains, Reporting, Report Comments**

11:15-11:45 **Intestinal Protozoa (Characteristics and Identification)**

11:45-12:15 **Free-Living Amebae**

12:15-13:05 **Malaria (Risk Management Issues, Identification, Reporting)**

Lunch Break @ Restaurant 13:05-13:50

13:45-14:30 **Other Blood Parasites**

14:30-15:15 **Updates on Helminth Infections**

15:15-16:05 **Self-Assessment Quiz/Questions and Answers**

Networking & Refreshment Break @ Foyer 16:05-16:25

Poster Presentations @ 16:25-17:25

Poster Judge: **Maria Teresa Mascellino**, Sapienza University of Rome, Italy

P01 **Title: Novel Approach for Detection and Genotyping of Noroviruses**
Yuan Hu, U.S. Food & Drug Administration, USA

P02 **Title: Characterization of dye decolorization by cell-free culture broth of *Trametes vesicular* CBR43**
Hee Wook Ryu, Soongsil University, Korea

P03 **Title: Bacterial community dynamics in the engineered biocover installed on a sanitary landfill site for mitigation of methane and odour emissions**
Kyung-Suk Cho, Ewha Woman's University, Korea

P04 **Title: Microbial conversion of sugarcane juice to valuable biopolymers**
Ing-Lung Shih, Da-Yeh University, Taiwan

P05 **Title: Inoculation Effect of Thermophilic and Alkaliphilic Bacteria on Decomposition rate and odour emission mitigation in Pig Carcasses Composting**
Woo-Young Yang, Soongsil University, Korea

P06 **Title: Identification of an Alternative Cell Line Permissive to Porcine Epidemic Diarrhoea Virus Infection and Replication**
Ching Yang, National Taiwan University, Taiwan

P07 **Title: Induction of VEGFA and Snail-1 by meningitic *Escherichia coli* mediates disruption of the blood-brain barrier**
Ruicheng Yang, Huazhong Agricultural University, China

P08 **Title: Prevalence of cases of Congenital Gestational Syphilis in the state of Sergipe between 2007 and 2013**
Jacqueline Mazzotti, Federal University of Sergipe, Brazil

Panel Discussion

Day 3 August 17, 2016

Garden A

Keynote Forum

09:45-10:15 **Title: The antibiotic resistance and its importance in the hospital acquired infections**
Lia Monica Junie, University of Medicine and Pharmacy, Romania

Networking & Refreshment Break @ Foyer 10:15-10:30

Sessions: The Science of Food | Industrial Applications of Microbes | Applied Microbiology | Diagnostic Microbiology: Recent Advances

Session Introduction

Session Chair: Lia Monica Junie, University of Medicine and Pharmacy, Romania

Session Co-chair: Marco Manfredi, "Pietro Barilla" Children's Hospital, University, Italy

Title: Susceptibility to antibiotics and new treatment strategies in *Helicobacter pylori* infection at a University Hospital in Rome, Italy

10:30-10:55

Maria Teresa Mascellino, Sapienza University of Rome, Italy

Title: Cross-talk between oxidative stress and virulence optimizes multiple environmental transitions in *Vibrio cholera*

10:55-11:20

Jay Zhu, University of Pennsylvania Perelman School of Medicine, USA

Title: Spingosine 1-Phosphate Activation of EGFR as a Novel Target for Meningitic *Escherichia coli* Penetration of the Blood-Brain Barrier

11:20-11:45

Xiangru Wang, Huazhong Agricultural University, China

Title: Isolation and Antibiogram Of O157 Shiga Toxin Producing *Escherichia coli* in Humans and Cattle in Abuja, FCT

11:45-12:10

Enem Simon Ikechukwu, University of Abuja, Nigeria

Title: How active are antibiotics when directed towards bacteria hiding intracellularly? Do accumulation and subcellular disposition matter?

12:10-12:35

Paul M Tulkens, Université Catholique de Louvain, Belgium

Young Researchers Forum

Title: A novel approach to antibiotics and antifungals: Testing the effectiveness of *Azadirachta indica* extracts

12:35-12:55

Saket Myneni, Westwood High School, USA

Lunch Break @ Restaurant 12:55-13:45

Title: Intestinal Microbiota: A Big World of Evolving Knowledge

13:45-14:10

Marco Manfredi, "Pietro Barilla" Children's Hospital, University, Italy

Title: Production of mycotoxins by fungi isolated from different food grains sold in the open market in Nigeria

14:10-14:35

Emeka Nweze, University of Nigeria, Nigeria

Title: Procalcitonin Levels in Intensive Care Unit setting in patients with positive blood cultures

14:35-15:00

Aditya Shah, University of Illinois at Chicago/ Advocate Christ Medical Center, USA

Networking & Refreshment Break @ Foyer 15:00-15:20

Panel Discussion

Awards & Closing Ceremony

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