The 9th International Conference on Legionella Organising Committee would like to thank the following Conference Supporters and Exhibitors

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**SPONSORISED SESSIONS**

IDEXX, PALL Medical
We are grateful to Federation of European Microbiology Societies (FEMS) for the valuable support to the 9th International Conference on Legionella with the Patronages of FEMS, University of Rome "Sapienza", University of Rome "La Sapienza", SIMCIM, Iti, SIMCI, and SIMCII.
Dear Participants,

It is our pleasure to welcome you to the 9th International Conference on Legionella in Rome, Italy, from the 26th to 30th of September 2017.

This year we will celebrate forty years since Legionella pneumophila was identified, after the first outbreak of Legionnaires’ disease in Philadelphia in 1976.

Since then, we have learnt a lot about these bacteria, we have improved our capability to conduct appropriate epidemiological investigations, and thanks to geographical information analysis and typing methods, we are now able to better identify the source of infection.

We also have recognised the importance of appropriate risk assessment on water systems in order to rapidly apply the best control measures and adopt different disinfection procedures, being aware that there is not a single recipe. In fact, every situation must be thoroughly studied and every intervention must be tailored.

Knowledge on ecological niches of Legionella has been expanded. Moreover, the recent DNA sequencing technologies to monitor microbial population in water systems appear to be quite promising for a better understanding of behaviours devised by this intriguing bacterium to survive in the environment.

Regarding diagnostic methods, the introduction of urinary antigen detection has given a boost in detecting cases, but the development and validation of other fast and accurate molecular methods are needed.

The number of identified species is increasing day by day, and in addition to traditional procedures, integrated multi “omics” technologies help to clarify the molecular basis of pathogenesis and evolution of most of these species. However, a better understanding of the interaction between the bacterium and the host, with special reference to the population at risk, would be desirable.

We consider this International Conference a great opportunity to define state of the art about all the aspects concerning Legionella, and we do hope that new ideas for future researches and collaborative studies in this field will arise.

We warmly welcome you to Rome, the “Eternal” city. Here, the ancient Romans laid the foundations of their empire, leaving spectacular signs in culture, architecture, city planning, politics and laws, which survived to present day, leaving people coming from all over the world astonished.

The Local Organising Committee is willing to offer you the best hospitality in terms of location, accommodation and, last but not least, good food and the opportunity to choose among a number of guided trips in Rome and surroundings for you and your accompanying persons.

On behalf of the Conference organisers we sincerely welcome you to the 9th International Conference on Legionella 2017.

Paola Borella and Maria Luisa Ricci
Chairs, Legionella 2017
** Scientists Committee **

Ashbolt Nicholas  
*University of Alberta, Alberta, Canada*

Brandsema Petra S.  
*Centre for Infectious Disease Control, National Institute for Public Health and the Environment, Bilthoven, The Netherlands*

de Jong Birgitta  
*European Centre for Disease Prevention and Control, Stockholm, Sweden*

Eason Lin Yusen  
*National Kaohsiung Normal University, Kaohsiung City, Taiwan*

Exner Martin  
*Institute for Hygiene and Public Health, University of Bonn, Bonn, Germany*

Gaia Valeria  
*Swiss National Reference Centre for Legionella, Bellinzona, Switzerland*

Hartland Elizabeth  
*University of Melbourne, Melbourne, Australia*

Jarraud Sophie  
*National Reference Centre of Legionella, Lyon, France*

Kura Fumiaki  
*National Institute of Infectious Diseases, Tokyo, Japan*

Moran-Gilad Jacob  
*National Microbiology Focal Point & Head of Microbiology Cooperation, Jerusalem, Israel*

Pelaz Carmen  
*Institute of Health Carlos III, Majadahonda, Madrid, Spain*

Roy Craig  
*Yale University of Medicine, New Haven, United States of America*

Stout Janet E.  
*Special Pathogens Laboratory, Pittsburgh, United States of America*

Uldum Anker Søren  
*Statens Serum Institut, Copenhagen, Denmark*

Zamboni Dario  
*University of São Paulo, São Paulo, Brazil*

** Invited Speakers **

Berjeaud Jean-Marc  
*University of Poitiers, Poitiers, France*

Buchrieser Carmen  
*Institut Pasteur, Paris, France*

Cooley Laura A.  
*CDC’s National Center for Immunization and Respiratory Diseases, Atlanta, United States of America*

Edelstein Paul Herbert  
*University of Pennsylvania, Philadelphia, United States of America*

Hadjichristodoulou Christos  
*University of Thessaly, Larissa, Greece*

Hilbi Hubert  
*Institute of Medical Microbiology, University of Zürich, Zürich, Switzerland*

Lee Susanne  
*Director Legionella Ltd, United Kingdom*

Palusinska-Szysz Marta  
*Maria Curie-Sklodowska University, Lublin, Poland*

Pruden Amy  
*Virginia Tech, Blacksburg, United States of America*

** Organizing Committee **

Boccia Stefania  
*Fondazione Cattolica del Sacro Cuore University, Policlinico ‘Agostino Gemelli’, Rome, Italy*

De Giusti Maria  
*Sapienza University, Rome, Italy*

Mansi Antonella  
*Occupational and Environmental Medicine, INAIL, Rome, Italy*

Marchesi Isabella  
*University of Modena and Reggio Emilia, Modena, Italy*

Paduano Stefania  
*University of Modena and Reggio Emilia, Modena, Italy*

Rota Maria Cristina  
*Italian National Institute of Health, Rome, Italy*

Scaturro Maria  
*Italian National Institute of Health, Rome, Italy*

Visca Paolo  
*Roma III University, Rome, Italy*
SOCIAL EVENTS

WELCOME COCKTAIL AT THE "ISTITUTO NAZIONALE DI STUDI ROMANI"

The Welcome Cocktail will be held on 26th of September, from 7.30 p.m. to 9.00 p.m., at The Istituto degli Studi Romani. The institute has its location in the former convent of Saints Bonifacio and Alessio, at the top of the Aventino hill, one of the most impressive hills of Rome. The walk (about 2.7 km), that divides the Auditorium Antonianum from the Cocktail venue, shows a view of the best monuments of the Eternal City. It begins from the Colosseum, it runs along the Palatine Hill to finally reach the Circus Maximus. Therefore, the journey from the Conference venue to the Istituto degli Studi Romani offers a precious and unique opportunity to immerse yourself in Roman history.

Transfer from Congress venue to “Istituto Studi Romani” with private bus.
The Istituto degli Studi Romani is in Piazza dei Cavalieri di Malta, 2, 00153 Rome.

http://www.studiromani.it/html/sede.htm

TOUR AT “VILLA DEI QUINTILI” AND GALA DINNER AT “VILLA DINO”

On September 28th at 5.45 p.m. it will be held a guided tour of Villa dei Quintili and afterwards the Gala Dinner at Villa Dino. Villa Dino, set within one of the most important archaeological parks in the world, including Villa dei Quintili and the Seneca Mausoleum, is among the largest and most prestigious villa of Rome. Embellished with a huge park, enriched with palm, olive and lemon trees and ancient monuments, Villa Dino offers a reality out of the ordinary.

Transfer from Congress venue to “Villa dei Quintili” and “Villa Dino” with private bus.

Villa dei Quintili is in Via Appia Nuova 1092, 00178 Roma.
Villa Dino is in Via Appia Antica 249/B, 00178 Roma.
TuEsDAy , sEPTEMBER 26TH, 2017

13:00-18:45  Registration and exhibition

16:15-17:00  Welcome address and conference opening
Paola Borella University of Modena and Reggio Emilia, Modena, Italy
Maria Luisa Ricci Italian National Institute of Health, Rome, Italy
Chairs, Legionella 2017 Organizing Committee
Giovanni Rezza Director of Department of Infectious Diseases, Italian National Institute of Health, Rome, Italy
Paolo Visca Department of Science - Roma Tre University FEMS delegate and SIMGBM Treasurer
Fausto Francia President of Italian Society of Hygiene

17:00-18:30  SESSION 1 - GLOBAL TREND OF LEGIONNAIRES’ DISEASE
Chairs: Giovanni Rezza Director of Department of Infectious Diseases, Italian National Institute of Health, Rome, Italy
Valeria Gaia Swiss National Reference Centre for Legionella, Bellinzona, Switzerland

17:00-17:45  Legionnaires’ Disease, a Brief History
Paul H. Edelstein (Invited speaker)
University of Pennsylvania, Philadelphia, United States of America
Lectio Magistralis

17:45-18:15  Legionnaires’ Disease from a European Perspective
Birgitta de Jong (Invited speaker)
European Centre for Disease Prevention and Control, Stockholm, Sweden

18:15-18:45  A Watershed Moment: The Increasing Challenge of Legionnaires’ Disease in the United States
Laura A. Cooley (Invited speaker)
Center for Disease Control, Atlanta, United States of America

19:30-21:00  Welcome Cocktail at the “Istituto Nazionale di Studi Romani”
http://www.studiromani.it/html/sede.htm

WEDEnSDAy , sEPTEMBER 27TH, 2017

08:30-18:00  Registration and exhibition

08:30-10:30  SESSION 2 - PATHOGENESIS, IMMUNOLOGY AND HOST CELL INTERACTIONS
Chairs: Carmen Buchrieser Institute Pasteur, Paris, France
Dario Zamboni University of São Paulo, São Paulo, Brazil

08:30-09:00  Modulation of Membrane Dynamics and Cell Migration by Legionella
Hubert Hilbi (Invited speaker)
University of Zürich, Zürich, Switzerland

09:00-09:30  A New Approach to Identify Legionella pneumophila Effector Mutants with Distinct Virulence Phenotypes
Craig Roy (Invited speaker)
Yale University of Medicine, New Haven, United States of America

09:30-09:45  The Dot/Icm Type IV Secretion System Effector LtpM Defines a New Family of Modular Glycosyltransferases
Gunnar Neels Schroeder
Queen’s University Belfast, Belfast, Northern Ireland

09:45-10:00  New Insights Into the Legionella Type 1 Secretion System
Hussein Kanaan
University of Lyon, Lyon, France
10:00-10:15 *Legionella pneumophila* Modulates Mitochondrial Dynamics To Trigger Metabolic Repurposing of Infected Macrophages
*Pedro Escoll*
Institute Pasteur, Paris, France

10:15-10:30 Manipulation of Host Metabolism by *Legionella pneumophila* Effectors that Activate and Inhibit mTORC1
*Justin A. De Leon*
University of California, Berkeley, United States of America

10:30-11:00 Coffee Break

11:00-13:00 SESSION 2 - PATHOGENESIS, IMMUNOLOGY AND HOST CELL INTERACTION (CONTINUED)
Chairs: Craig Roy Yale University of Medicine, New Haven, United States of America
Carmen Buchrieser Institute Pasteur, Paris, France

11:00-11:30 Recognition of *Legionella* by Intracellular Receptors in Macrophages
*Dario Zamboni* (invited speaker)
University of São Paulo, São Paulo, Brazil

11:30-12:00 The Role of Lipids in *Legionella*-Host Interaction
*Marta Palusinska-Szysz* (invited speaker)
Maria Curie-Sklodowska University, Lublin, Poland

12:00-12:15 ER Remodeling by the Large GTPase Atlastin (Sey1/Atl3) Promotes Vacuolar Growth of *Legionella pneumophila*
*Bernhard Steiner*
University of Zurich, Zurich, Switzerland

12:15-12:30 SnpL, a Nucleomodulin Effector Protein of *Legionella pneumophila* Targets Host Transcription Elongation Machinery
*Shivani Pasricha*
University of Melbourne, Melbourne, Australia

12:30-12:45 Structural Insights Into *Legionella* RidL-Vps29 Retromer Subunit Interaction Reveal Displacement of the Regulator TBC1D5
*Kevin Bärlocher*
University of Zurich, Zurich, Switzerland

12:45-13:00 When Life Gives You Lemons in the Form of Oxidants…: A Peek Into the Molecular Underpinnings of How *Legionella* Copes with Oxidative Stress in Water
*Nilmini Mendis*
McGill University, Montreal, Canada

13:00-14:00 Lunch

14:00-15:30 POSTER SESSION 1 - ROOMS EXHIBITION AREA
• PATHOGENESIS AND IMMUNOLOGY • GENETICS AND GENOMICS

15:30-16:45 SESSION 3 - GENETICS AND GENOMICS
Chairs: Hubert Hilbi University of Zurich, Zurich, Switzerland
Sophie Jarraud National Reference Center of Legionella, University of Lyon, Lyon, France

15:30-16:00 Molecular Mimicry of Eukaryotic Proteins, a Main Virulence Strategy of *Legionella*
*Carmen Buchrieser* (invited speaker)
Institute Pasteur, Paris, France

16:00-16:15 Retroelement-Guided Protein Diversification in *Legionella pneumophila*
*Diego Arambula*
University of California, Los Angeles, United States of America
16:15-16:30  Genetics of Widely Distributed Natural Transformability in *Legionella pneumophila* Clinical Isolates
Xavier Charpentier
International Centre of Research and Infectivology, University of Lyon, Lyon, France

16:30-16:45  Evolution of Host-Adaptation in the Bacterial Order *Legionellales*
Lionel Guy
Uppsala University, Uppsala, Sweden

16:45-17:15  Coffee Break

17:15-18:00  SESSION 3 - GENETICS AND GENOMICS (CONTINUED)
Chairs: Jacob Moran-Gilad National Microbiology Focal Point & Head of Microbiology Cooperation, Jerusalem, Israel
Christopher Ginevra Centre National de Référence des légionelles, Lyon, France

17:15-17:30  Genomic Evolutionary History of Legionnaires’ Disease in Scotland
Bryan Wee
University of Edinburgh, Edinburgh, United Kingdom

17:30-17:45  The *Legionella* Genus Genome: a Global View of the Genus Evolution
Laura Gomez-Valero
Institute Pasteur, Paris, France

17:45-18:00  Whole Genome Sequence Analysis of the *Legionella pneumophila* Population Within the Water System of a Large Occupational Building
Victoria Chalker
Public Health England, London, United Kingdom

THURSDAY, SEPTEMBER 28TH, 2017

08:15-16:15  Registration and exhibition

08:15-09:15  SESSION 4 - CLINICAL ASPECTS, TREATMENT, ROUTE OF EXPOSURE AND HOST RELATIONSHIP
Chairs: Laura A. Cooley Center for Disease Control, Atlanta, United States of America
Maria Cristina Rota Italian National Institute of Health, Rome, Italy

08:15-08:45  Clinical Characteristics of *Legionella* Infection
Paul H. Edelstein (Invited speaker)
University of Pennsylvania, Philadelphia, United States of America

08:45-09:00  Route of Exposure to Aerosol and Legionnaires’ Disease or Pontiac Fever
Richard Bentham
Flinders University, Adelaide, Australia

09:00-09:15  *Legionella* Aerosols from Shower to an Ex Vivo Human-Porcine Respiratory Model
Severine Allegra
University of Lyon, Lyon, France

09:15-09:45  Coffee Break

09:45-11:45  SESSION 5 - DIAGNOSIS AND TYPING
Chairs: Søren Anker Uldum Statens Serum Institut, Copenhagen, Denmark
Christian Lück Reference Laboratory Legionella, Dresden, Germany

09:45-10:15  Diagnosis and *Legionella* Typing of Atypical Forms of Legionellosis
Sophie Jarraud (Invited speaker)
National Reference Center of Legionella, University of Lyon, Lyon, France
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>10:15-10:45</td>
<td>The Future of <em>Legionella</em> Typing in the Genomics Era</td>
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<td><em>Jacob Moran-Gilad (Invited speaker)</em></td>
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<td>National Microbiology Focal Point &amp; Head of Microbiology Cooperation, Jerusalem, Israel</td>
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<td>10:45-11:00</td>
<td>LegioTyper: a Fully Automated and Rapid Detection Method for Serotyping of <em>Legionella pneumophila</em></td>
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<td><em>Anne Gründel</em></td>
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<td>Dresden University of Technology, Dresden, Germany</td>
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<td>11:00-11:15</td>
<td>The Average Nucleotide Identity Index is a Taxonomic Tool That Can Also Be Useful</td>
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<td>for Determining the Epidemiological Relationship Between <em>Legionella pneumophila</em> Genomes</td>
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<td><em>Maria José Figueras</em></td>
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<td>University Rovira i Virgili, Reus, Spain</td>
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<td>11:15-11:30</td>
<td>Utility of Rapid Techniques in the Legionnaires’ Disease Outbreak in Manzanares, Spain, December</td>
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<td><em>Juan Carlos Montero</em></td>
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<td>Regional Public Health Laboratory - Health Sciences Institute Talavera de la Reina, Spain</td>
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<td>11:30-12:30</td>
<td><strong>SESSION PROUDLY SPONSORED BY IDEXX</strong></td>
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<td>Comparing Modern and Traditional Culture-Based Methods for Detection of <em>Legionella</em> and</td>
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<td>the Significance of Quantification of <em>Legionella Pneumophila</em> Vs. All <em>Legionella</em> Species</td>
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<td>11:30-11:35</td>
<td>Welcome to participants and Introduction to Legiolert</td>
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<td><em>Dan Broder</em></td>
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<td>Staff Scientist at IDEXX, Portland, Maine, United States of America</td>
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<td>11:35-11:45</td>
<td>Performance of Legiolert vs. ISO 11731-2:2004 in German Potable Waters</td>
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<td><em>Martin Exner</em></td>
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<td>University of Bonn, Bonn, Germany</td>
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<td><em>Maria Luisa Ricci</em></td>
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<td>Italian National Institute of Health, Rome, Italy</td>
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<td>11:55-12:30</td>
<td><strong>ROUND TABLE DISCUSSION:</strong> The Merits and Concerns Associated with Exclusive Detection of *L.</td>
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<td>Pneumophila in Conjunction with a Water Safety Plan</td>
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<td>Participants: <em>Martin Exner, Maria Luisa Ricci, Amy Pruden, Nicholas Ashbolt</em></td>
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<td>12:30-13:30</td>
<td>Lunch</td>
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<td>13:00-14:30</td>
<td><strong>POSTER SESSION 2 - ROOMS EXHIBITION AREA</strong></td>
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<td>• EPIDEMIOLOGY AND SURVEILLANCE • OUTBREAKS INVESTIGATION AND CASE REPORT</td>
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<td>• CLINICAL ASPECTS AND TREATMENTS • DIAGNOSIS AND TYPING</td>
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<td>14:30-16:15</td>
<td><strong>SESSION 6 - SURVEILLANCE AND OUTBREAK INVESTIGATIONS</strong></td>
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<td>Chairs: <em>Pedra Brandsema</em> Centre for Infectious Disease Control, National Institute for Public</td>
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<td>Health and the Environment, Bilthoven, The Netherlands</td>
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<td><em>Carmen Pelaz</em> Institute of Health Carlos III, Majadahonda, Madrid, Spain</td>
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<td>14:30-14:45</td>
<td>Legionnaires’ Disease from the Other Side of the World: the New Zealand Perspective</td>
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<td><em>David R. Murdoch</em></td>
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<td>University of Otago, Christchurch, New Zealand</td>
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<td>14:45-15:00</td>
<td>A National Cross-Sectional Study to Uncover the Hidden Burden of Legionnaires’ Disease: The LegiNZ</td>
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<td><em>David R. Murdoch</em></td>
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<td>University of Otago, Christchurch, New Zealand</td>
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15:00-15:15 Community-Acquired Cases of Legionnaires’ Disease: the Proportion Technically Preventable by Applying the German Drinking Water Ordinance?  
Udo Buchholz  
Robert Koch Institute, Berlin, Germany

15:15-15:30 *Legionella pneumophila* in the Flint Water Supply: A Molecular Epidemiology and Virulence Assessment  
Michele Swanson  
University of Michigan, Ann Arbor, United States of America

15:30-15:45 Spatial Distribution of Legionellosis at the Small Area Level in the City of Barcelona: 2000-2016  
Pau Gallés  
Public Health Agency of Barcelona, Barcelona, Spain

15:45-16:00 Factors Associated With the Occurrence of Further Cases in Accommodations Associated With a Cluster of Travel-Associated Legionnaires’ Disease Cases After Implementation of Control Measures  
Emmanuel Robesyn  
European Centre for Disease Prevention and Control, Stockholm, Sweden

16:00-16:15 Epidemiology and Microbiology of Recurrent Accommodation Sites Implications for Surveillance and Prevention  
Sebastian Crespi Rotger  
Biolinea Int., Palma de Mallorca, Spain

16:45-00:30 Tour of “Villa dei Quintili” and Gala Dinner at “Villa Dino”

**FRIDAY, SEPTEMBER 29TH, 2017**

08:15-19:30 Registration and exhibition

08:15-10:00 **SESSION 7 - ECOLOGY OF LEGIONELLA AND INTERACTION WITH ENVIRONMENTAL RESERVOIRS**  
Chairs: Alexander Kirschner Medical University Vienna, Vienna, Austria  
David R. Murdoch University of Otago, Christchurch Christchurch, New Zealand

08:15-08:45 The Original Cat and Mouse Interplay: With Picky Amoebae and Persistent *Legionella pneumophila*  
Nicholas Ashbolt *(Invited speaker)*  
University of Alberta, Edmonton, Canada

08:45-09:15 Natural Antimicrobial Substances to Control Proliferation of *Legionella pneumophila*  
Jean Marc Berjeaud *(Invited speaker)*  
University of Poitiers, Poitiers, France

09:15-09:30 Survival Patterns and Virulence of Viable but Non-Culturable *Legionellae* Induced by Starvation  
Alexander Kirschner  
Medical University of Vienna, Vienna, Austria

09:30-09:45 *Legionella pneumophila* Prevents Cell Division and DNA Replication of Acanthamoeba Castellanii  
Ascel Samba-Louaka  
University of Poitiers, Poitiers, France

09:45-10:00 Temperature Induced Viable but Non-Culturable *Legionella pneumophila* Cells are Virulent Against Amoebae and Macrophage-Like Cells  
Silvia Cervero-Aragó  
Medical University of Vienna, Vienna, Austria

10:00-10:30 Coffee break
SESSION 8 - LEGIONELLA DETECTION AND DIFFUSION IN THE ARTIFICIAL RESERVOIRS
10:30-12:00

Legionella Colonization of Water Systems Aboard Passenger Ships and Differences with Accommodation Sites (Hotels etc)
Christos Hadjichristodoulou (Invited speaker)
University of Thessaly, Larissa, Greece

Legionella Detection in Environments and Their Impacts on the Occurrence of Legionellosis in Japan
Kura Fumiaki (Invited speaker)
National Institute of Infectious Diseases Tokyo, Japan

Prevalence and Diversity of Legionella in US Cooling Towers
Brian H. Raphael
Centers for Disease Control and Prevention, Atlanta, United States of America

Identification of Cooling Tower Microbiota Supporting the Growth of Legionella pneumophila
Sebastien P. Faucher
McGill University, Montréal, Canada

SESSION PROUDLY SPONSORED BY PALL
12:00-13:00

Can Legionella be controlled by engineering measures?
Chair & welcome and opening
Martin Exner (Invited speaker)
University of Bonn, Bonn, Germany

Compliance with Drinking Water System Regulation: The German Approach
Roland Suchenwirth
Lower Saxony Health Authorities, Hannover, Germany

Technical prerequisites for a safe Drinking Water System for Legionella
Stefan Pleischl
University of Bonn, Bonn, Germany

POSTER SESSION 3 - ROOMS EXHIBITION AREA
13:30-15:30

• MISCELLANEOUS • MICROBIAL ECOLOGY • PREVENTION AND CONTROL

14:00-14:30

ESGLI BUSINESS MEETING

SESSION 9 - PREVENTIVE AND CONTROL STRATEGIES
15:30-17:15

The Evaluation of Mandatory Legionella Environmental Surveillance in Healthcare Facilities in Taiwan: Clinical and Environmental Perspectives
Yusen Eason Lin (invited speaker)
National Kaohsiung Normal University, Kaohsiung City, Taiwan

Controlling Legionella in Building Water Systems: How Does Monochloramine Measure Up?
Janet E. Stout
Special Pathogens Laboratory, Pittsburgh, United States of America

Corrosive Effect on Various Pipe Materials Following Different Treatments for Legionella Spp
Isabella Marchesi
University of Modena and Reggio Emilia, Modena, Italy
16:45-17:15  
**Sponsored presentation (Grundfos)** Experiences in-situ Prepared Chlorine Dioxide in *Legionella* Treatment  
*Michael Skovgaard*  
Senior Manager, Global Programs GPMA Dosing & Disinfection

17:15-17:45  
Coffee Break

17:45-19:00  
**SESSION 9 - PREVENTIVE AND CONTROL STRATEGIES (CONTINUED)**  
Chairs: *Janet E. Stout* Special Pathogens Laboratory, Pittsburgh, United States of America  
*Yusen Eason Lin* National Kaohsiung Normal University, Kaohsiung City, Taiwan

17:45-18:00  
A Multicenter Study on *Legionella* Air Contamination in Italian Healthcare Facilities: Comparison of Different Sampling Methods  
*Osvalda De Giglio*  
University of Bari, Bari, Italy

18:00-18:15  
Maxi Impact of Temperature, Copper and Silver Exposure on the Viability and Recovery of Clinical and Environmental Strains of *Legionella pneumophila*  
*Michèle Prévost*  
Polytechnique Montréal, Montréal, Canada

18:15-18:30  
Prevention and Control of *Legionella* spp. Colonization in Dental Units  
*Beatrice Casini*  
University of Pisa, Pisa, Italy

18:30-18:45  
*Legionella* Colonization Of Hotel Water Supply Systems In Touristic Places Of Greece: Associations With System Characteristics and Physicochemical Parameters  
*Maria A. Kyritsi*  
Department of Medicine University of Tessaly, Larissa, Greece

18:45-19:00  
Risk Assessment of *Legionella* in Hospital Washbasins: Water and Aerosol  
*Pasqualina Laganà*  
University of Messina, Messina, Italy

19:00-19:30  
**ROUND TABLE:**  
discussion on the topics (critical aspects, pros and cons, etc.) presented in the session of the day
SCIENTIFIC PROGRAMME

SATURDAY, SEPTEMBER 30TH, 2017

08:30-13:30  Registration and exhibition

08:30-11:00  SESSION 10 - LEGIONELLA GUIDELINES IN DIFFERENT COUNTRIES
Chairs: Birgitta de Jong European Centre for Disease Prevention and Control, Stockholm, Sweden
Maria Luisa Ricci Italian National Institute of Health, Rome, Italy

08:30-09:00  European Legionella Guidelines
Susanne Lee (Invited speaker)
Legionella LTD., United Kingdom

09:00-09:30  U.S. Guidance and Standards
Janet E. Stout (Invited speaker)
Special Pathogens Laboratory, Pittsburgh, United States of America

09:30-10:00  The German Experiences with Legionella Risk Regulation
Martin Exner (Invited speaker)
University of Bonn, Bonn, Germany

10:00-10:20  Legionella Guidelines in the Russian Federation:
Harmonization in Accordance to International Standards
Igor Tartakovskiy
Gamaleya Research Center of Epidemiology and Microbiology, Moscow, Russia

10:20-10:40  Legionella Regulation in Australia
Richard Bentham
Flinders University, Adelaide, Australia

10:40-11:00  Italian Legionella Guidelines: a Special Focus on Dental Unit Waterlines
Maria Luisa Ricci
Italian National Institute of Health, Rome, Italy

11:00-11:30  Coffee break

11:30-13:30  SESSION 11 - CHALLENGES OF LEGIONELLA AND FUTURE PERSPECTIVES
Chairs: Paul H. Edelstein University of Pennsylvania, Philadelphia, United States of America
Janet E. Stout Special Pathogens Laboratory, Pittsburgh, United States of America

11:30-12:00  Advancing a Framework for Prebiotic/Probiotic Control of Legionella
in Distribution Systems and Building Plumbing
Amy Pruden (Invited speaker)
Virginia Tech in Blacksburg, Virginia, United States of America

12:00-12:30  Technology Advancement Supporting Legionella Control in Dubai
Redha H. Salman
Health and Safety Department-Dubai Municipality, Dubai UAE

12:30-13:00  The European Perspectives of Legionella Surveillance and Control
Valeria Gaia (Invited speaker)
Swiss National Reference Centre for Legionella, Bellinzona, Switzerland

13:00-13:30  Presentation of Legionella 2021

Closing remarks: Paola Borella and Maria Luisa Ricci
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CONFERENCE OFFICE

iDea congress
Piazza Giovanni Randaccio, 1 - 00195 Rome
tel. 06.36381573 - www.ideacpa.com
a.difulvio@ideacpa.com
n.borgese@ideacpa.com

www.legionella2017.com