

One Health EJP Annual Scientific Meeting 2022 SCIENTIFIC PROGRAMME

Orvieto, Italy and online 11th - 13th April



Image: Gianni Careddu

MONDAY April 11th

CEST

- 09.00-09.20** **Opening and Introduction**
Session Chairpersons: Umberto Agrimi, Hein Imberechts
- 09.20-10.20** **Complexity of syndemic: A larger vision to protect public health**
Prof Tiago Correia, NOVA University of Lisbon, Portugal
- 10.20-10.40** **Welcome by Prof. Silvio Brusaferro, President of Istituto Superiore di Sanità**
- 10.45-11.20** *Coffee Break*
- 11.20-13.00** **Session One: Foodborne Zoonoses I**
Session Chairpersons: Stefano Morabito, Hanne Debergh
- 11.20-12.00** **Invited Talk: Wastewater monitoring: Current uses and perspectives for the surveillance of foodborne and zoonotic agents**
Dr. Elisabetta Suffredini, ISS, Italy
- 12.00-12.15** **Overlooked impact of the novel species *Escherichia marmotae* on zoonotic transmission and antimicrobial resistance**
U Binsker
- 12.15-12.30** **Pig farm biosecurity for control of *Salmonella* and Hepatitis E virus infections - a survey of European experts**
E Galipó
- 12.30-12.45** **Mapping control programmes to mitigate the risk of human exposure to *Salmonella*, *Campylobacter*, STEC and antimicrobial resistance through the animal-environment-food chain: an experts' survey**
M L D'errico
- 12.45-13.00** **A European exposure survey to assess the risk of Toxoplasmosis**
M Opsteegh
- 13.00-14.20** *Lunch Break*
- 14.20-15.20** **Roundtable discussion on One Health EJP Joint Research Projects**
Session Chairpersons: Karin Artursson (substitute Dolores Gavier-Widén)
- 15.20-15.40** *Coffee Break*
- 15.40-16.40** **Session Two: Foodborne Zoonoses II**
Session Chairpersons: Koenraad Van Hoorde, Eleonora Ventola
- 15.40-15.55** **Health and economic burden of seven foodborne diseases in Denmark, 2019**
S Monteiro Pires
- 15.55-16.10** **Core genome MLST of precision of *Listeria monocytogenes* typing through wet- and dry- lab parameters**
N Radomski
- 16.10-16.25** **New insights into the epidemiology of *Listeria monocytogenes* - a cross-sectoral retrospective genomic analysis in the Netherlands (2010-2020)**
C Coipan
- 16.25-16.40** **Shigatoxigenic *Escherichia coli* (STEC) in Swedish cervids - a nationwide survey conducted in the One Health EJP DISCOVER project**
R Söderlund
- 16.45-17.45** **Session Three**
Session Chairpersons: Dolores Gavier-Widén, Roberto La Ragione
- One Health EJP PhD students Three Minute Thesis Competition



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18.00-19.20 **Session Four: Prioritizing sustainable OHEJP activities for the future MedVetNet Association**

Welcome: *Pikka Jokelainen, OHEJP/SSI, and Arjen van de Giessen, MVNA/RIVM*
Session Chairperson: *Lapo Mughini Gras, RIVM*

Presentations:

MedVetNet Association: a sustainable Med-Vet-Network
Arjen van de Giessen, RIVM

One Health EJP: sustainability of activities
Dolores Gavier-Widén, SVA

PREZODE (Preventing Zoonotic Disease Emergence)
Jean François Soussana, INRAe

Interactive part: Ranking of the One Health EJP sustainable activities

- Rank OHEJP activities to make sustainable from Strategic Research Agenda and Joint Integrative Projects
- Narrow down ranked activities based on input from audience

Discussion:

Alberto Mantovani, ISS; Hein Imberechts, Sciensano; Jean François Soussana, INRAe; Arjen van de Giessen, RIVM

- Reflect on what/how MVNA can help with sustainability of (prioritised) OHEJP activities
- Reflect on what other stakeholders can contribute to sustainability of (prioritised) OHEJP activities

19.30 **Closure of First Day and Welcome Cocktail**

TUESDAY April 12th

CEST

08.30-09.00 *Morning coffee*

09.00-10.00 **Pathogen spillover through the lens of emerging bat viruses**
Prof Raina Plowright, Montana State University, USA
Session Chairperson: *Roberto La Ragione*

10.00-11.00 **Roundtable discussion on One Health EJP Joint Integrative Projects**
Session Chairperson: *Ludovico Sepe (substitute Dolores Gavier-Widén)*

11.00-11.30 *Coffee Break*

11.30-13.10 **Session Five: Antimicrobial Resistance I**
Session Chairpersons: *Kees van der Ark, Anouk Meijs*

11.30-12.10 **Invited Talk: AMR and environmentally related issues (provisional)**
Dr. Jean-Yves Madec, ANSES, France

12.10-12.25 Occurrence of indicator genes of antimicrobial resistance contamination in the North Sea and English Channel seawaters
E Bourdonnais

12.25-12.40 Characterisation of *bla*_{OXA-48} plasmids in a diverse range of clinical and environmental Enterobacterales isolates from an urban location in Ireland
L P Burke

12.40-12.55 Characterising the resistome, mobilome and virulome of drug resistant *Escherichia coli* isolates from anthropogenic impacted aquatic environments
G Miliotis



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- 12.55-13.10 Evaluation of the role of recreational water use on colonisation with antimicrobial resistant Enterobacterales
M L Farrell
- 13.10-14.40 *Lunch Break*
- 14.40-16.20 **Session Six: Emerging Threats I**
Session Chairpersons: Pikka Jokelainen, Anna Fomsgaard
- 14.40-15.20 **Invited Talk: Antimicrobial Resistance and COVID-19**
Bruno Gonzales Zorn, Complutense University in Madrid, Spain
- 15.20-15.35 New urban ecosystems from a One Health perspective: future challenges
J Ortiz de Zárate
- 15.35-15.50 Understanding the barriers and enablers to improving recreational water quality form a One Health perspective
S Duane
- 15.50-16.05 Guidelines for setting up a One Health risk analysis system for zoonoses
K Maassen
- 16.05-16.20 Leveraging on One Health to strengthen preparedness against global health threats
M G Dente
- 16.20-16.50 *Coffee Break*
- 16.50-17.50 **Session Seven: Antimicrobial Resistance II**
Session Chairpersons: George Sips, Marisa Almeida
- 16.50-17.05 Large diversity of linezolid-resistant isolates discovered in food-producing animals through linezolid selective monitoring in Belgium in 2019
C Boland
- 17.05-17.20 An extended One Health perspective to cope the multiple dimensions of AMR
E Baroja
- 17.20-17.35 Metagenomic sequencing analysis of the effects of apramycin on the poultry gut microbiome
B R Matamoros
- 17.35-17.50 WILBR: contribution of wild birds to AMR in the environment and on farm
O Turner
- 17.50 **Closure of Second Day**
- 19.30 **Social event**

WEDNESDAY April 13th

- CEST
- 09.00-09.30 *Morning coffee*
- 09.30-10.45 **Roundtable discussion on One Health EJP PhD projects**
Session Chairpersons: Dolores Gavier-Widén, Roberto La Ragione
- 10.45-11.15 *Coffee Break*
- 11.15-12.15 **Session Eight: Emerging Threats II**
- 11.15-11.30 One Health approach in tick-borne pathogen research and disease xenodiagnostics - model from Serbia
P Banovic



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- 11.30-11.45 **Screen the unforeseen: microbiome-profiling techniques for surveillance of zoonotic pathogens in wild rats**
M de Cock
- 11.45-12.00 **Large-scale comparative genomics of the zoonotic pathogen *Cryptosporidium parvum* in Europe**
S M Cacciò
- 12.00-12.15 **Investigation of the SARS-CoV-2 cases in the UK companion, zoo and wildlife animals**
E Shipley
- 12.20-13.20 **Global perspectives on Food Safety in light of Climate Change and other emerging issues**
Vittorio Fattori, Food and Agriculture Organisation
- 13.20-14.00 **One Health EJP Annual Scientific Meeting Closing Session**
End of the One Health EJP Annual Scientific Meeting 2022



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Online 14th April

THURSDAY April 14th

CEST
09.30-17.00

Annual Scientific Meeting Satellite Workshop Diagnostics workshop: mobile detection platform for One Health diagnostic applications

The workshop aims to discuss factors influencing the design of diagnostic assays for One Health applications, including sample types (environmental, medical or veterinary), target sequences and assay format, reflecting on current standard diagnostics in public and animal health.

[Further information here.](#)

