



European Animal Health
& Welfare Research
COLLABORATIVE WORKING GROUP



STAR-IDAZ
International Research
Consortium on Animal Health

WEB INTERACTIVE WORKSHOP

30th June 2020

14.00 – 16.15 CET

REGISTRATION

LINK

<https://bit.ly/3c8dC5q>

PANDEMIC! A one health view of emerging infectious diseases

What veterinary sciences can contribute

Lessons learnt from Covid19



MORE INFORMATION

WEBSITE

www.apre.it

www.star-idaz.net

www.scar-cwg-ahw.org

With the collaboration of:



APRE

Agenzia per la Promozione
della Ricerca Europea



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INTRODUCTION

New diseases are continually emerging. A conservative estimate is that there is one new human disease every eight months, with even more emerging in animals. Novel diseases, zoonotic infections and acute respiratory diseases are severe and global threats for mankind and new ways are needed for their prevention and control. Moreover, is it becoming clear with the COVID-19 human pandemic, such emergencies would also impact negatively on the control of animal diseases. The discussion proposed herein is intended to gravitate around the following topics:

- COVID-19 as a multidisciplinary research accelerator for animal health;
- Overview on the epidemiological background of Coronavirus and other pandemic agents and the progress of technology to allow a better surveillance and control of diseases;
- How to give direction to the future Strategic Research Agendas (SRAs) for veterinary science to improve preparedness and cope with novel and re-emerging diseases.

OBJECTIVES AND METHODOLOGY

There are several lessons for veterinary medicine to be learnt from COVID-19; the key questions to be discussed in this workshop are:

How can research on animal infectious diseases contribute to prevent and control future human and animal pandemics?

How can Strategic Research Agendas in animal health be improved to prevent and respond in a timely manner to new and emerging animal diseases?

We will scrutinise these questions starting from the following assumptions:

- The successful control of global diseases is dependent on a number of factors. Herd immunity can be enhanced by **vaccination**, but newly emerging diseases severely constrain the available time to develop, test, regulate, produce, and deploy effective vaccines.
- Effective disease control requires good understanding of the disease **aetiology, epidemiology and pathology**.
- Veterinary research can lead to answers on **immunology, host-pathogen interaction, and spillover potential with far-reaching significance also for human medicine**. Animal models are still fundamental for studying and developing new vaccines and therapeutics.
- This pandemic has again highlighted the importance of **hygiene, biosecurity, and preventive medicine as first lines of defense against emerging infectious diseases**.

The Collaborative Working Group on Animal Health and welfare research (CWG-AHW) and the Global Strategic Alliances for the Coordination of Research on the Major Infectious Diseases of Animals and Zoonoses and its related International Research Consortium (STAR-IDAZ IRC), with the support of APRE (Agency for the Promotion of European Research), invite you to participate in a discussion (online) between representatives of public research institutions, pharmaceutical industry and government. The discussion will aim to encourage the exchange of innovative ideas, possible actions to support a public-private-partnership approach, new tools for financial support of research, and to better define short-term strategies to give a new direction to SRAs on animal health through collaboration between the different actors.

Participants will be able to actively interact in the discussion and express ideas and needs using their smartphone.



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PROGRAMME

14.00 -14.10

WELCOME INTRODUCTION AND INSTRUCTIONS FOR THE INTERACTIVE PARTICIPATION

Introduction to the day

Hein Imberechts,
CWG-AHW— Chair

Briefing to set interactive tool for your active participation

Matteo Sabini,
APRE

14:10-15:10

TALKS

Moderator: Stefano Messori,

STAR-IDAZ IRC/World Organisation for Animal health (OIE)

Talks	Speakers
COVID-19 as accelerator of multidisciplinary research approach.	Ilaria Capua, Head of the One Health Center of Excellence for Research and Training, University of Florida, USA
The role of wildlife in emerging threats.	Linfa Wang, Director of the Programme in Emerging Infectious Diseases at Duke-NUS Medic School, Singapore, Cina
ZAPI modular vaccine approach as an answer to pandemic and panzootic disease threats.	J. Christophe Audonnet, Senior Director, Vaccines R&D, Coordinator of ZAPI IMI Project, (Zoonoses Anticipation and Preparedness Initiative) Boehringer Ingelheim Animal Health France
Emerging threats: how close are we to being able to predict the next pandemic.	Mark Woolhouse, Chair of Infectious Diseases Epidemiology, Usher Institute, University of Edinburgh, UK
STAR-IDAZ IRC mapping on coronavirus research: a way for open collaboration.	Alex Morrow, Chair of STAR-IDAZ IRC Secretariat, Coordinator and International Evidence Lead International Animal Health and Welfare Research Coordination at Defra, UK



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PROGRAMME

15:10 – 16.10

ROUND TABLE AND MUTUAL LEARNING SESSION

Other invited speakers for the round table:

Arjan Stegeman

Full professor of Farm Animal Health and Epidemiology of Infectious Diseases at Utrecht University The Netherlands

Jean Charles Cavitte

Research Policy Officer
Unit B2: Research and Innovation
European Commission, DG AGRI

Hein Imberechts

Coordinator *One Health EJP*/Chair CWG AHW

David Heymann

London School of Hygiene & Tropical Medicine (LSHTM), UK

Technical assistance:

**Matteo Sabini
APRE**

The speakers will discuss with quick snapshot replies on the themes of the event within a round table.

Workshop audience will be actively involved in the discussion through the use of their smartphone, suggesting questions and solutions on the discussed themes.

All contributions will be collected in a final reporting following the web event.

16.20

CONCLUSION



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Scientific committee

from **CWG AHW** and **STAR-IDAZ IRC**

HEIN IMBERECHTS,

Sciensano, Belgium

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University of Veterinary Medicine Vienna, Austria

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World Organisation for Animal health (OIE)

JOHANNES CHARLIER,

DISCONTTOOLS

EVENT COORDINATOR

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Thanks to

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