



# EAVLD 2024

7<sup>th</sup> Congress of the  
European Association of Veterinary  
Laboratory Diagnosticians

*21<sup>st</sup>-23<sup>rd</sup> October 2024*

**ITALY - PADUA**

## SCIENTIFIC PROGRAMME



[www.eavld.org](http://www.eavld.org)



**ITALY | PADUA**

[www.eavld2024.org](http://www.eavld2024.org)

21<sup>st</sup>-23<sup>rd</sup>  
October  
2024

## WELCOME LETTER

Dear Friends and Colleagues,

It is our great pleasure to invite you to the **7th European Congress of the European Association of Veterinary Laboratory Diagnosticians (EAVLD 2024)**, which will be held at the new Congress Center in Padua (Italy) on October 21–23, 2024.

The EAVLD 2024 will bring together a European audience of veterinary laboratory diagnosticians working in all disciplines across the full range of species, with the aim of providing a platform for communication to share the best practices and research discoveries for the future development of veterinary diagnostics.

The Programme will feature lectures, oral communications, posters and debates; in addition, panel discussions will bring together a group of experts that will offer diverse perspectives and encourage audience interaction to share knowledge and experiences. It is a great opportunity to gain valuable insight and encourage future networking opportunities.

The Congress will be held in a unique, contemporary and flexible space, an architectural gem that joins design, functionality and technology, where also sponsored exhibitions will take place. Padua is a welcoming city, rich in places of art (the University Museum, the world's first botanic garden and anatomy theatre) and artistic beauty (the Scrovegni Chapel with frescoes painted by Giotto). The city is the perfect venue for meetings and events and is easily accessible by car, train and plane. Venice, Verona and Lake Garda are within easy reach.

We truly hope you will join us, finally to be all together at EAVLD 2024 for a new and stimulating experience in the world of Laboratory Diagnosticians, where the future of Animal Health, Food Safety, Animal Welfare, Epidemiology, AMR, Genomics, Zoonosis and Vector Borne Diseases will be the core of discussions, and promoting friendship and collaboration among European scientists.

Looking forward to meeting you in Padua.

*Marialaura  
Corrente,  
EAVLD  
President*



*Loredana Baldi,  
Congress President*

*Antonia Ricci,  
Istituto Zooprofilattico Sperimentale  
delle Venezie Director*



Under the Patronage of:



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Loredana Baldi

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Antonia Ricci  
Giorgia Angeloni  
Nicola Pozzato  
Mariagrazia Zanoni  
Alessandro Zotti

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Viktor Ahlberg  
Luca Bargelloni  
Giovanni Cattoli  
Marialaura Corrente  
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Treasurer: Viktor Ahlberg  
Secretary: Jason Sawyer  
Heather Graham  
István Kiss  
Marzia Pezzolato

## KEYNOTE SPEAKERS



**Giorgia Angeloni**  
President of Vétérinaires  
Sans Frontières International;  
Vicepresident of Veterinari  
Senza Frontiere Italia,  
Researcher at Research and  
International Cooperation  
Unit of IZSve



**Bernardino Fantini**  
Honorary Professor of the  
History of Medicine and  
Health, Geneva Medical  
School, University of Geneva



**Masatoshi Funabashi**  
Research Director and  
Senior Researcher at  
Sony Computer Science  
Laboratories, Inc. Tokyo,  
Japan



**Polychronis Kostoulas**  
Associate Professor of  
Epidemiology, Head,  
Laboratory of Epidemiology  
& Artificial Intelligence  
Faculty of Public & One  
Health, University of  
Thessaly, Greece



**Isabella Monne**  
WOAH/EU and National  
Reference Laboratory for  
avian influenza & Newcastle  
disease  
FAO Reference Centre  
for animal influenza and  
Newcastle disease  
Istituto Zooprofilattico  
Sperimentale delle Venezie,  
Legnaro (PD) ITALY



**Antonio Martinez-Murcia**  
Professor of Microbiology at  
Miguel Hernández University,  
Alicante and genetic PCR  
solutions



**Beatriz Romero Martínez**  
Director of the EU-RL for bovine  
tuberculosis and expert on  
mammalian TB by the WOA. H.  
VISAVET Health Surveillance  
Centre, Complutense University  
of Madrid  
Assistant professor. Animal  
Health Department, Veterinary  
Faculty, Complutense University  
of Madrid



**Dorina Timofte**  
Professor of Veterinary  
Clinical Microbiology  
School of Veterinary Science  
Institute of Infection,  
Veterinary and Ecological  
Sciences (IVES),  
University of Liverpool, UK

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**PROGRAMME**





## PROGRAMME

21<sup>st</sup> monday  
OCTOBER

	MANTEGNA AUDITORIUM	PETRARCA ROOM
8.00 - 9.00	Registration	
9.00 - 9.15	Opening Ceremony	
9.15 - 9.45	<b>Keynote Lecture</b> <i>Chair: <b>A. Ricci</b></i> The Many Histories of One Health and the Shift of Animal Welfare from Tool to Aim <b>Bernardino Fantini</b>	
9.45 - 11.15	<b>Session 1</b> <b>Epidemiology - Zoonoses</b> <i>Chairs: <b>A. Parisi, E. Bozzetta</b></i> Business Intelligence Tools to Enhance Antimicrobial Stewardship: The Role of Diagnostic Laboratories in Producing Useful and Comparable Data <b>S. Catania</b> African Swine Fever in wild boars: evaluation of the speed of advancement of the infection front in areas with different ecological features of the province of Pavia <b>V. Cappa</b> Comparing apples to oranges: Using social research to harmonize veterinary clinic diagnostic practices <b>M. Zago</b> A Bayesian approach to inter-laboratory diagnostic test evaluation for serological assays <b>V. Ahlberg</b> Genetic diversity of Shiga toxin-producing Escherichia coli from free-ranging red deer <b>S. Lauzi</b>	<b>Session 2</b> <b>New Diagnostic Technologies</b> <i>Chairs: <b>G. Angeloni, A. Martinez-Murcia</b></i> Could Calliphoridae serve as a possible bovine viral diarrhoea virus (BVDV) mechanical vector and reservoir? Preliminary results of an insect competence study <b>F. Crescenti</b> Simultaneous Detection of Antigen and Antibodies of African Swine Fever in a Novel Combo Lateral Flow Assay <b>C. Galán</b> Creating a Dataset and Enhancing Bovine Herpesvirus 1 CPE Detection through Artificial Intelligence <b>Z. Akkutay-Yoldar</b> Multi-platform investigation of Bovine Respiratory Disease-related microbial communities among Southern Italy farms and slaughterhouses <b>S. Castellana</b> TB or not TB – that's the question/ improved intra-vitam diagnostics in a bovine Tb outbreak herd <b>C. Schroeder</b>

	MANTEGNA AUDITORIUM	PETRARCA ROOM
	First detection of <i>Leptospira interrogans</i> serovar Canicola in Caracal caracal: a threat to zoo animals and workers? <b>G. Sgroi</b>	Improving the ante-mortem diagnosis of caprine tuberculosis through the use of specific antigens for in vitro diagnostic platforms <b>C. Velasco Reinaldos</b>
11.15 - 11.45	Coffee Break and Poster Session	
11.45 - 12.15	<b>Keynote Lecture</b> <i>Chair: <b>A. Ricci</b></i> High Pathogenicity Avian Influenza (HPAI): expect the unexpected <b>Isabella Monne</b>	
12.15 - 13.15	<b>Early Career Researcher - Session 1</b> <i>Chairs: <b>G. Meroni, M. Pirolò</b></i> Epidemiology of antimicrobial resistance in the monophasic variant of <i>Salmonella</i> Typhimurium <b>P. Carrizo Coronad</b> Poultry Supply Chain Impact on <i>Campylobacteriosis</i> Surveillance in Italy Over One Year <b>R. Di Romualdo</b> Subclinical mastitis in Lacaune and crossbreed sheep from farms in central Greece. Etiologic agents, effect on milk characteristics, and evaluation of infrared thermography as a diagnostic tool <b>M. Lysitsas</b> Circular economy and antimicrobial resistance: assessment of the impact on the agri-food systems <b>G. Barbieri</b> Salmonella proficiency tests, the experience of the Italian National Reference Laboratory <b>G. Cento</b>	
13.15 - 14.15	Lunch and Poster Session	

14.15 - 15.15

**Early Career Researcher - Session 2***Chairs: A. Salvaggiulo, F. Zendri*

Predicting Lung Viral Load in Vaccinated Pigs Exposed to Influenza A Virus using cytokine expression analysis of whole blood stimulation

**G. Fantoni**

Evaluation of five ELISA kits for the serological diagnostics of Enzootic Bovine Leukosis

**Z. Zurovac Sapundžic**

Advancing ASF Diagnosis: Insights from non-HAD Genotype II African Swine Fever Viruses in the EU (2017-2022)

**N. Casado**

Evaluation of alternative samples and protocols for serological monitoring of avian influenza vaccination in duck flocks

**M. Walch**

Acute Infection Dynamics of Domestic Cat Hepadnavirus (DCH)

**F. Pellegrini**

15.15 - 16.45

**Session 3 Animal Health***Chairs: D. Galante, J. Sawyer*

Using PCR for antigen receptor rearrangements (PARR) for fast cytological and histopathological diagnosis of canine Lymphoma

**A.S. Bolas**

Field comparison of ASFV target tissues and non-invasive samples in wild boars during the genotype II Italian epidemic

**S. Zoppi**

Identification and characterization of protoparvovirus carnivoran1 strains circulating in Iberian lynxes (*Lynx pardinus*)

**G. Diakoudi**

A multidisciplinary approach to characterize a *Salmonella enterica* serovar Enteritidis unusual outbreak in fenced Iberian ibex (*Capra pyrenaica*)

**M. Perez-Sancho**

Evaluation of in vitro antiviral activity of fungal secondary metabolites against bovine coronavirus

**P. Capozza**

Prevalence of *Mycoplasma equigenitalium* in Martina Franca (Italy) and Andalusian (Spain) donkey populations

**M.S.M. Yusuf**

16.45 - 17.15

**Keynote Lecture***Chair: M. Corrente*

Phylogenetic diversity and current taxonomy of the genus *Mycobacterium*: consequences for the diagnosis of tuberculosis

**Antonio Martinez-Murcia**

17.30 - 18.30

Welcome Cocktail

9.00 - 9.30

**Keynote Lecture***Chair: N. Decaro*

Challenges and new initiatives in veterinary clinical microbiology

**Dorina Timofte**

9.30 - 11.00

**Session 4 Food Safety - Genomics***Chairs: L. Barco, V. Michelacci*

Identification of food adulteration by the examination of species-specific DNA in commercial meat products, by multiplex real-time PCR

**D. Johnston**

MALDI-TOF and Machine Learning: preliminary results of *Campylobacter jejuni* sub-typing

**F. Giacometti**

First report of stx2k-producing *E. coli* strains from food in Europe, 2015

**G. Nobili**

Bacterial communities in a fish-farm under intensive production conditions

**S. Reale**

LeishGenApp and LeishGenR, two novel diagnosis platforms to detect CNVs as drug-resistance biomarkers in *Leishmania infantum* from cultures and clinical samples

**M. Carrasco-Martin**

Deciphering the evolution of the Arctic-like lineage of Canine Distemper Virus

**Z. Lanszki**

11.00 - 11.30

Coffee Break and Poster Session

11.30 - 12.00

**Keynote Lecture***Chair: V. Ahlberg*

Latent Class Models: Validation of Diagnostics without a Reference Test

**Polychronis Kostoulas**

12.00 - 13.00

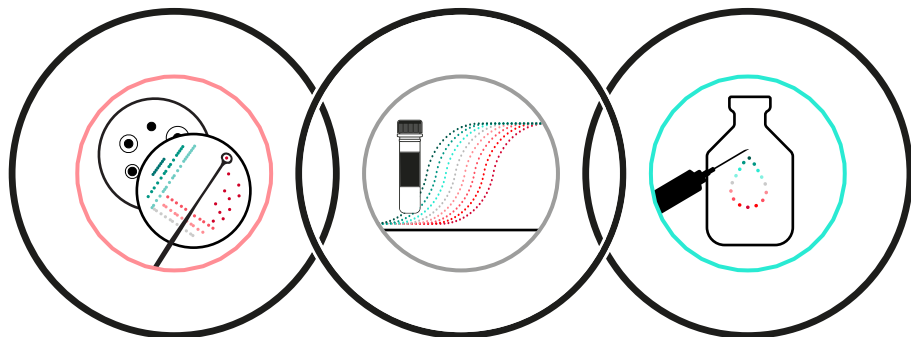
Company Symposium  
BIOMERIEUXCompany Symposium  
HOLOGIC

MANTEGNA AUDITORIUM	
13.00 - 14.00	Lunch and Poster Session
14.00 - 14.30	<p><b>Keynote Lecture</b>  <i>Chair: L. Baldi</i>            One Health, many lives: practical implementation cases in the Global South  <b>Giorgia Angeloni</b></p>
14.30 - 15.30	<p>Company Symposium IDEXX  <b>Paratuberculosis Testing and Practical Approach</b>  <b>E. Stellbrink, N. Taylor</b></p>
15.30 - 16.00	Coffee Break and Poster Session
16.00 - 17.30	<p><b>Session 5 Miscellaneous</b>  <i>Chairs: H. Graham, N. Pozzato</i>            A case of acute intoxication by the ornamental plant <i>Pieris japonica</i> in a goat farm: toxicological screening by direct introduction high resolution mass spectrometry (DART-HRMS) in a diagnostic setting  <b>A. Leone</b>            A field trial characterization of wild boar post-mortem interval to support African Swine Fever detection  <b>G. Assirelli</b>            Coxiella burnetii-specific IFN<math>\gamma</math> and antibody responses to naturally-acquired infection in dairy cows  <b>L. O'Shannessy</b>            Electrochemotherapy for Feline Squamous Cell Carcinoma treatment: Novel insights into immune response  <b>F. Dell'Anno</b>            Circulating microRNA: biomarkers for early diagnosis of bovine Paratuberculosis  <b>P. Mazzone</b>            VKORC1 mutations in rodents from Emilia-Romagna, Northern Italy  <b>A. Reggiani</b></p>

	MANTEGNA AUDITORIUM	PETRARCA ROOM
17.30 - 18.15	EAVLD General Meeting	SIDiLV General Meeting
19.30	Congress Dinner	

23<sup>rd</sup> wednesday  
OCTOBER

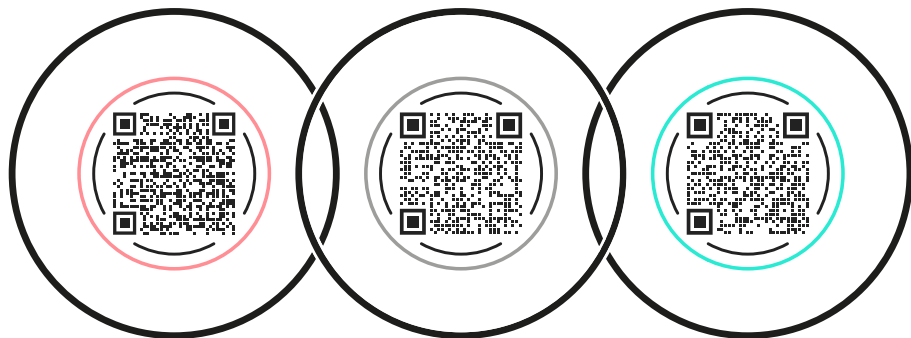
MANTEGNA AUDITORIUM	
9.00 - 9.30	<p><b>Keynote Lecture</b>  <i>Chair: P. Mazzone</i>            Diagnostic limitations in controlling the recurrence of bovine tuberculosis in European countries  <b>Beatriz Romero Martínez</b></p>
09.30 - 10.45	<p><b>Session 6 Animal Health - Antimicrobial Resistance</b>  <i>Chairs: G. Elia, M. Pezzolato</i>            African swine fever: current epidemiological situation in Europe and in Italy  <b>F. Feliziani</b>            Brucella suis outbreak in an Austrian pig farm - Tracing potential spill-over from wildlife using Whole Genome Sequencing  <b>M. Gonano</b>            Gastrointestinal nematodes in cattle and sheep farms of the Campania region: evaluation of anthelmintic resistance  <b>L. Baldi</b>            Molecular identification of trichophyton indotineae strains isolated in Italy and evaluation of terbinafine resistance or susceptibility  <b>D. Cruciani</b>            A Novel Arterivirus in Fatal Encephalitis of European Hedgehogs in England  <b>N. Inglese</b>            A multicentric European epidemiological study for Feline Circovirus 1 in domestic cats  <b>A. Salvaggiolo</b></p>
10.45 - 11.00	<p>Company Symposium INDICAL  <b>Enabling rapid responses: Streamlined molecular workflows for outbreak situations</b>  <b>L. Murphy</b></p>
11.00 - 11.30	<p><b>Keynote Lecture</b>  <i>Chair: L. Baldi</i>            From One Health to Planetary Health: towards an ecosystem-based approach to food production and public health with Synecoculture  <b>Masatoshi Funabashi</b></p>
11.30 - 12.00	Coffee Break and Poster Session
12.00 - 12.50	Highlight - Awards Ceremony - Closing Ceremony
15.00	Optional Tour



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VACCINES**



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## SOCIAL PROGRAMME

### CONGRESS DINNER

Tuesday 22nd October 2024 – 19.30

Caffè Pedrocchi

**Delegate**

**€ 50,00 vat included**

**Accompanying Person**

**€ 85,00 vat included**

*\*this service is available for purchase during registration*

Caffè Pedrocchi, a historic symbol of Padua.

A unique heritage venue in Padua.

The history of Caffè Pedrocchi has always been closely connected to the city of Padua.

Caffè Pedrocchi, a symbol and icon of the city, is an unmissable tourist destination for anyone visiting Padua.

### POST CONGRESS TOUR

Wednesday 23rd October 2024 – 15.00 (visit lasts 45 minutes)

A visit to PALAZZO BO

**€ 10,00 vat included**

*\*this service is available for purchase during registration*

*“Allowing that the honour of being home to the scientific revolution might be said to belong to one single place, that place is Padua.”*

*– (H.Butterfield, Harvard University, 1958)*

The visit includes: Palazzo Bo, The Old Court And The Heraldic Crests, The Great Hall, The Sala Dei Quaranta, Galileo's Rostrum, The Medice Hall.

The tour will start directly from Palazzo Bo.





## REGISTRATION FEES

All delegates must register for the congress.  
Registration fees are as follows

	<b>EARLY BIRD REGISTRATION</b> (until August 30 <sup>th</sup> )	<b>REGULAR REGISTRATION</b> (between Aug31 <sup>st</sup> - Oct 11 <sup>th</sup> )	<b>ONSITE REGISTRATION</b> at the registration desk
EAVLD/SIDiLV Member	€ 420,00	€ 490,00	€ 520,00
ECVM/ESGM Member	€ 430,00	€ 500,00	€ 530,00
Non member	€ 480,00	€ 550,00	€ 580,00
PhD Student	€ 330,00	€ 380,00	€ 410,00
Degree Student	€ 280,00	€ 280,00	€ 280,00

VAT 22% included

\*Members are required to submit their membership ID during the registration process. Students are required to submit their Student ID during the registration process.



## PERSONAL INVITATION FOR VISA PURPOSES

To facilitate congress attendance a personal invitation can be sent on request. This invitation does not exempt the recipient from registering and paying the proper congress fee. Please inform the congress secretariat if you need a personal invitation letter. Registration fees and charges for all events related to the EAVLD Congress 2024 must be paid in euros.

## INVOICING

When filling out the online registration form we strongly recommend to pay particular attention to the Invoicing page.

Before registering, carefully check who the invoice shall be headed to and make sure you have all relevant information:

- header
- address
- VAT code
- fiscal code (for Italians only)
- PO number (if required)

Make sure the invoice details you are going to indicate are the correct ones. In case of requests for data corrections and/or invoice re-issuing due to wrong data submission, the Organizing Secretariat will apply a fee of € 50,00 for each new document re-issued, which shall be paid in advance.

## REMITTANCE

Registration fees shall be paid by credit card or bank transfer through the available on-line system.

When paying by bank transfer, a copy of the transfer receipt must be sent to [federica.donzelli@vetinternational.eu](mailto:federica.donzelli@vetinternational.eu)

Registrations without proof of payment will not be accepted.

The organising secretariat will send registration confirmation upon receipt of payment by e-mail.

Please be sure your e-mail address is filled in correctly.

## CANCELLATION AND REFUND

Cancellations must be sent to [federica.donzelli@vetinternational.eu](mailto:federica.donzelli@vetinternational.eu).

The amount equal to 50% of the fee paid will be refunded for cancellations received by 30th August 2024.

After that date no refunds will be issued.

All refunds will be paid in euros after the congress.

## CANCELLATION OF THE CONGRESS

The congress secretariat reserves the right to cancel the congress, shift venue or change dates without notice in case of "force majeure". Neither VET International nor the Congress Organising Committee shall be liable for any damage claims.

## LIABILITY AND INSURANCE

Registration fees do not include the insurance of participants against personal accidents, sickness and cancellations by any party, theft, loss or damage to personal possessions. Participants are advised to take out adequate personal insurance to cover travel, accommodation, cancellation and personal effects.

## ABSTRACT

Congress delegates are cordially invited to submit abstracts of their scientific work for presentation as a free communication at EAVLD 2024.

A limited number of abstracts will be selected for oral presentation during congress symposia.

Following the evaluation process, abstracts that are not selected as oral by the EAVLD 2024 Scientific Committee may be presented as posters.

### Confirmation of receipt

Receipt of the abstract will be acknowledged by e-mail immediately after submission.

### Notification of acceptance or rejection

Authors will be notified of acceptance or rejection.

### Registration

The presenting author of each abstract must register for the congress [by the Early Bird Registration \(Until August 30th\)](#)

### General requirements

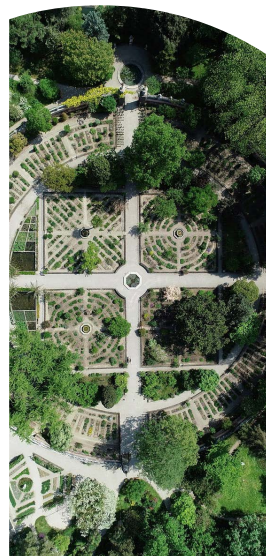
The text must be clear, concise, and written in proper English.

The content must not have been previously published in academic journals or subject to peer review.

**Each presenting author can present maximum 1 abstract.**

## TOPICS

- Animal health
- Animal welfare
- Antimicrobial resistance / Susceptibility testing
- Biosecurity in animal health
- Emerging and re-emerging diseases
- Epidemiology / Risk analysis and communication
- Exotic diseases in developed countries
- Food Safety
- Forensic diagnostics
- Genomics
- Immunology and vaccines
- Laboratory animals
- New Diagnostic Testing Technologies
- Proficiency Testing – participant and organizer perspective
- Zoonoses / Vector borne diseases
- Miscellaneous



Animal &  
Plant Health  
Agency



## The Animal and Plant Health Agency (APHA) is part of the UK Government

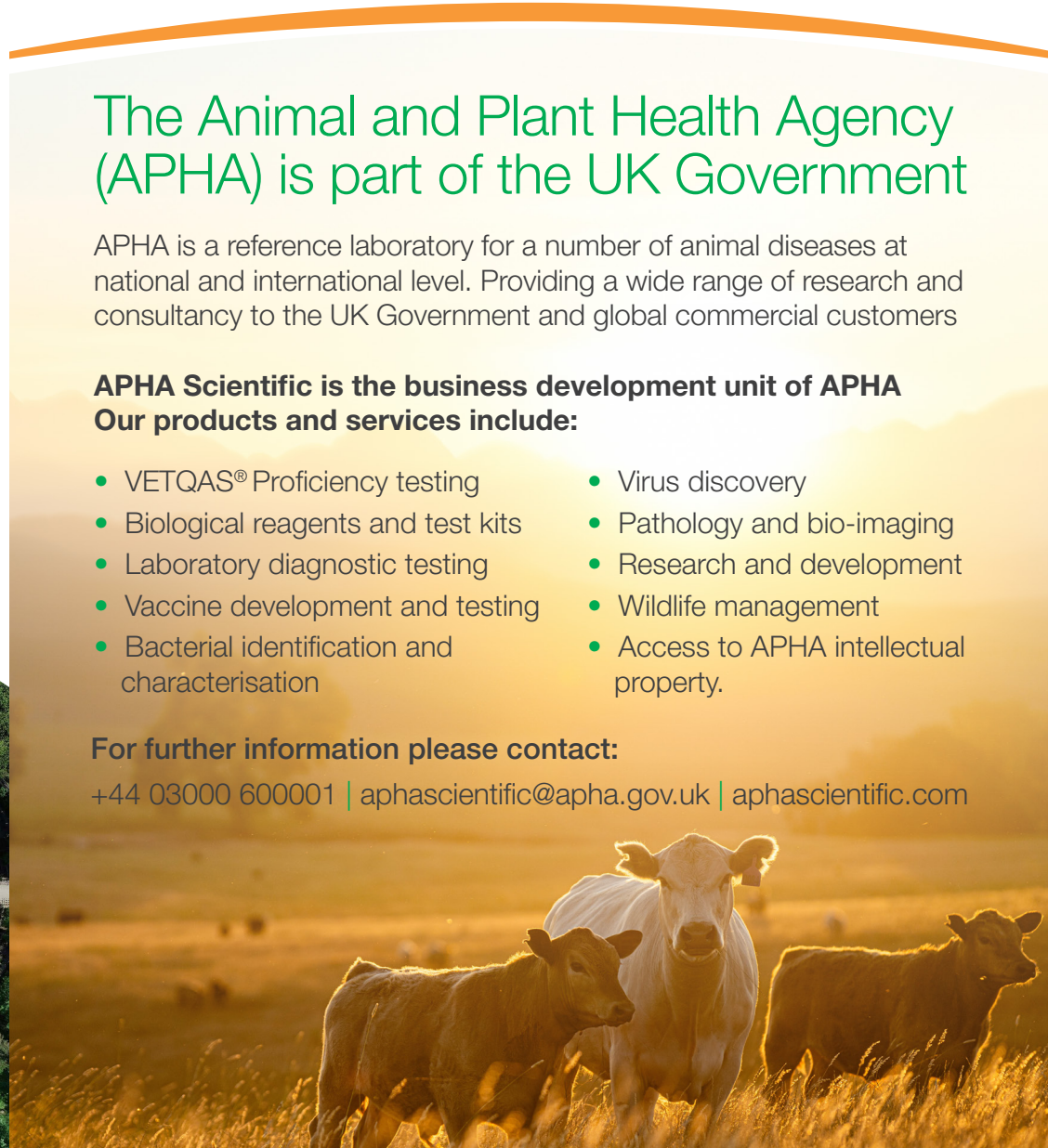
APHA is a reference laboratory for a number of animal diseases at national and international level. Providing a wide range of research and consultancy to the UK Government and global commercial customers

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## GENERAL INFORMATION

### REGISTRATION DESK

The registration desk will be located at the entrance and it will be open at the following times:

Monday, 21<sup>st</sup> October 2024, 8.00 - 17.30

Tuesday, 22<sup>nd</sup> October 2024, 8.30 - 18.30

Wednesday, 23<sup>rd</sup> October 2024, 8.30 - 13.00

### CONFERENCE LANGUAGE

The official language of the conference is English.  
Simultaneous translation is not provided.

### NAME BADGE

A name badge will be required to access to the conference area.  
Participants will receive a name tag when they check in at the registration desk.  
Delegates and exhibitors must display the official badge at all time.

### WIFI

The WiFi access is free for all attendees and accessible in all the Venue areas during conference days.

### CERTIFICATE OF ATTENDANCE

A certificate of attendance will be issued to properly registered attendees.  
Certificates of attendance will be sent by email after the conference.

### CLOAKROOM

The cloakroom is provided.

### PHOTO

We inform you that during the event photos will be taken.  
We kindly ask those who do not want to be photographed to inform the organizing secretariat.

### HOTEL ACCOMODATION

Agreements have been made with different hotels.  
Special rates have been reserved for EAVLD2024 delegates.  
Reservations can be made online, please visit the 'Hotel Accommodation' page on the Congress web site.

A unique, contemporary and flexible space.  
An architectural gem that joins design, functionality and technology. An internationally oriented venue that can host events for up to 3,334 people. Just a few steps from the vibrant historic center of Padua, steeped in art and culture, and under 30 minutes from Venice, the new Padova Congress center – the largest in the Veneto – is the ideal destination for congresses, big events, corporate conventions, meetings, galas.

### How to reach

#### BY TRAIN

Padua can be easily reached by train. It is 2 hours from Milan, an hour and a half from Bologna and only 20 minutes from Venice and Vicenza. The train station is about 500 meters from the congress center.

#### BY PLANE

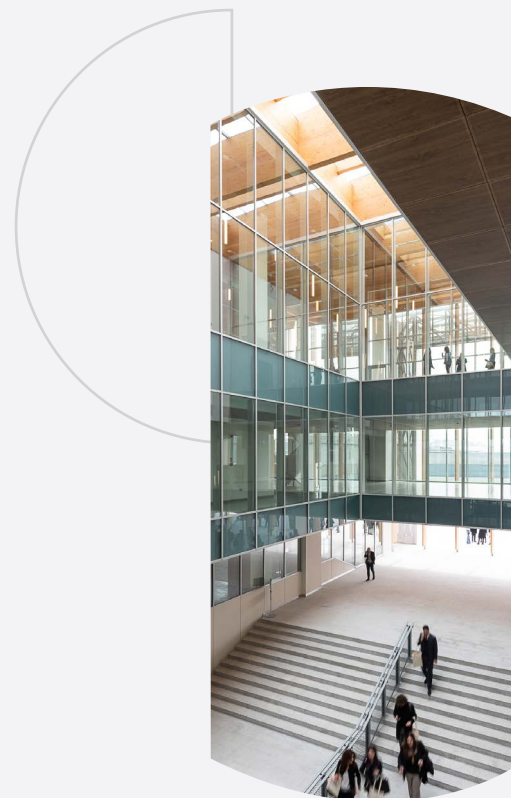
The nearest airport is Marco Polo International Airport in Tessera, Venice, which can be reached in about half an hour by highway.

#### BY CAR

From the Milan-Venice (A4) highway, take the Padova Est exit then follow signs for the Fiera. From the Bologna-Padua (A13) highway, take the Padova Sud exit then follow signs for the Fiera. The Congress Center offers ample parking facilities: in addition to the 1,400 spaces available on the exhibition grounds, there are 800 external spaces.

## CONFERENCE VENUE Padua Congress Center

Via N. Tommaseo 59  
35131 Padua (Italy)





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ANIMAL HEALTH

P001

**Enhancing Defense: The Role of Adjuvants in FMD Vaccination of Buffalo Calves**

Q. Akram, M. Ahsan Naeem, M. Younas, M. Rizwan Saeed

P002

**Comparison of diagnostic tools for calf diarrhea in flanders**

L. Allais, E. Van Driessche, N. Botteldoorn, J. Schaep, T. Vanblaere

P003

**Pathosense as a diagnostic tool to unravel PCV2 – porcine Parvovirus coinfections**

L. Allais, C. Bonckaert, E. Van Driessche, N. Botteldoorn, J. Schaep, H. Nauwynck, S. Theuns, T. Vanblaere

P004

**The molecular epidemiology of feline Parvovirus infections in cats**

T. Fedai, C.U. Aslan, G. Acar, F. Dogan, S. Bilge Dagalp

P005

**Survival at +4°C, +20°C and +37°C of Italian genotype I and II African Swine Fever strains**

R. Biccheri, M. Pela, A. Felici, C. Maresca, F. Feliziani, M.S. Beato

P006

**Typing of APEC isolates revealed an outbreak of broiler colibacillosis caused by ST23 O78:H4 in Finland**

M. Biström, T. Lienemann, T. Pohjanvirta, P. Vennerström

P007

**Application of Next Generation Sequencing (NGS) technologies for the identification and characterization of Apis mellifera microbiota in Italy**

F. Bordin, A. Peruzzo, G. Zamperin, M. Bertola, E. Palumbo, A. Milani, M. Orsini, A. Fusaro, P. Mogliotti, M.P. Cerioli, G. Formato, L. Ricchiuti, A. Cerrone, P. Troiano, A. Salvaggio, A. Pintore, F. Mutinelli, A. Granato

P008

**Whole Genome Sequencing and characterization of Antibiotic Resistance Genes in Brucella strains isolated from Water Buffalo in Southern Italy during 2019 - 2021: a preliminary study**

M.G. Riccardi, R. Paradiso, A. Rinaldi, B. Cecere, A. Cerrone, F. Bove, G. Fusco, G. Borriello

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M. Burgio, G.G. Aiudi, M.S.M. Yusuf, J.V. Delgado Bermejo, C. Rivas López, A. Carbonari, M.S. Lucente, V. Landi, M. Corrente, M. Tempesta, G. Greco

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P. Capozza, A.A. Omar, F. Pellegrini, V.I. Vasinioti, A. Salvaggiulo, L. Occhiogrosso, G. Patruno, P. Pinto, G. Diakoudi, M. Camero, N. Decaro, A. Alberti, G. Lanave, V. Martella

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M. Caruso, S. Castellana, L.M. Difato, G. Caldarola, A. Donatiello, A. Bianco, L. Capozzi, L. Del Sambro, V. Ianuzziello, A. Parisi, R. Fraccalvieri

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C. Casciari, C. Iscaro, S. Pirani, E. Tinelli, E. Scoccia, C. Colabella, C. Maresca, A. De Giuseppe, M. Giammarioli

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M. Gastaldelli, A. Tondo, B. Colò, M. Picchi, E. Rinaldi, V. Righetti, A. Barberio, K. Qualtieri, K. Sulyok, M. Gyuranecz, M. Merenda, S. Catania

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I. Ricci, A. Cersini, G.A. Marcario, R. Nardini, G. Manna, G. Brocherel, I. Congiu, S. Greco, C.A. Minniti, R. Conti, M.T. Scicluna

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E. Circella, G. Casalino, G. Bozzo, M. Schiavitto, A. Bove, D. Romito, V. Perna, F. D'Amico, A. Camarda

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C. Colabella, L. Anzalone, S. Pirani, E. Tinelli, M. Giammarioli, C. Iscaro, F. Feliziani, M. Cagiola, A. De Giuseppe

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L. Brienza, R. Cardone, G. Memoli, I. Colasanto, G. Lanave, D. Avazato, S. Rosati, M. Bullone, G. Elia, B. Colitti

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F. Corrado, A. Iannuzzi, R. Pistucci, L. Vassallo, M.C. Cuomo, D. Sansone, A. Siciliano, G. Rofrano, J.L. D'Auria, D. Cardinale, A. Gallo

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E. Spagnolo, M.L. Moronato, R. Friso, P. Bassi, S. Varotto, A. Bortolini, A. Costa, M. Corrà

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G. De Luca, O. Valvini, N. Riccone, F. Del Piano, C. Auriemma, A. Gallo, F. Alfano, P. Izzo, G. Fusco, E. De Carlo, M.G. Lucibelli

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V. Di Giovanni, C. Bertasio, A. Lavazza, L. Capucci, P. Cavadini

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S. Di Nola, A. Mazzei, C. Calzolari, I. Radu

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M. Dimatteo, M. D'Amore, M. Guida, G. Rosato, D. Izzillo, S.M. Casciaro, G. Fusco, E. De Carlo, B. Degli Uberti

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A. Donaghy, E. Holmes, J. Leigh, C. Brown, S. Leinster, A. Jeffers, J. Clarke, J. Mcconville

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V. D'Ascenzo, D. Pintus, T. Piseddu, M.B. Boniotti, C. Bertasio, F. Balia, B. Mossa, S. Dore

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A. Filippi, C. Garbarino, G. Ventura, M. Gradassi, R. Frontoni, E. Tuccia, A. Giuliani, S. Russo, A. Luppi, M. Ricchi



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S. Hänsel, F. Priller, C. Stieler, H. Ziebarth, K. Valentine

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G. Franzoni, A. Donniacuo, P. Mazzone, E. De Carlo, S. Dei Giudici, S. Zinellu, L. Schiavo, F. Signorelli, F. Napolitano, G. De Matteis, G. Galiero, J. Bezos, A. Martucciello

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A. Fulmini, S. Mrabet, E. Tinelli, C. Casciari, M.S. Beato, F. Feliziani

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V. Galiotta, C. Cocumelli, R. Parmigiani, E. Bovi, T. Palmerini, S. Antognetti, P. Di Cerbo, M. Aloisi, K.G. Friedrich, C. Eleni

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A. Gallo, D. Cardinale, L. Vassallo, M. Cuomo, D. Sansone, A. Siciliano, G. Rofrano, J.L. D'Auria, D. Signorelli, F. Corrado

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S. Faccini, L. Gintoli, M. D'Incau, E. Cursio, C. Rosignoli

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S. Giovannozzi, A. Martucciello, M. Domínguez Rodríguez, I. Moreno Iruela, M. Boifava, G. Parisio, N. Vitale, E. De Carlo, J. Bezos Garrido, E. Gormley, P. Mazzone, B. Romero, M.B. Boniotti

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G. Valli, V. Lorenzi, F. Fusi, M. Tempini, D. Vecchio, S. Bergagna, A. Barberio, L. Bertocchi, I. Archetti

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F. Parolini, G. Ventura, C. Rosignoli, S. Rota Nodari, M. D'Incau, L. Marocchi, G. Santucci, M. Boldini, M. Gradassi

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F. Grégoire, C. De Meeûs D'Argenteuil, P. Cuvelier, M. Garigliany, F. Smeets, T. Petitjean, Z. Blockx

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F. Gregoire, K. Lambert, K. Renier, L. Delooz, J. Evrard, P. Coppe, F. Bernard

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C. Iscaro, R. Lomolino, D. Palma, L. Possenti, L. Ruocco, F. Feliziani

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K. Satué, M. Velasco-Martínez, D. Lafauci, E. Fazio, P. Medica

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K. Satué, M. Velasco-Martínez, D. Lafauci, E. Fazio, P. Medica

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G. Leo, C. Bertasio, V. Carta, D. Lelli, C. Tolini, M. Carrera, T. Trogu, A. Moreno, A. Lavazza, E. Sozzi

**P042****Canine Distemper Virus in wildlife, Italy (2022-2024)**

M.G. Lucibelli, N. D'Alessio, S. Rea, C. Auriemma, M.S. Lucente, F. Pellegrini, G. Diakoudi, E. De Carlo, N. Decaro, G. Lanave, V. Martella, G. Fusco, F. Alfano

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A. Macaluso, G. Cammilleri, A. Cicero, L. Pantano, P. Riolo, E.M.D. Messina, C. Alfano, M.B. Drussilla, F.G. Galluzzo, V. Ferrantelli, G.M. Lo Dico

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M. Maestrini, C. Cocumelli, A. Franco, F. Bellagamba, E. Bovi, E.L. Diaconu, A. Ianzano, T. Palmerini, R. Parmigiani, F. Stravino, C. Mancusi, L. Marsili, G. Di Guardo, G. Terracciano

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C. Nogarol, O. Portanti, E. Trabunella, S.M. Di Trani, V. Listorti, S. Robetto, I.N. Miceli, S. Brusadore, E. Ciarrocchi, R. Irelli, G. Savini, M.L. Mandola

**P046****Prevalence study of *Brucella canis* in dogs residing in Umbria: the complexity of choosing appropriate diagnostic tests**

M.L. Marenzoni, S. Attura, B. Favi, M.T. Antognoni, M.B. Conti, A. Felici, C. Maresca, E. Scoccia, M.R. Bonci, A. Pistolesi, S. Zanghì, A. Confaloni, D. Marini, L. Sylla, F. De Massis, F. Sacchini, M. Tittarelli

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S. Costarelli, S. Crotti, C. Panziera, V. Piscioneri, A. Fiorucci, E. Scoccia, C. Maresca, P. Cristini, M.L. Marenzoni

**P048****A case of a fatal sepsis caused by *Actinobacillus equuli* infection in a 3 days old donkey foal**

L. Marino, D.A. Raele, E. Macolino, G. Siragusa, M.A.R. Ferrantino, M.L. Prencipe, L. Pace, V. Rondinone, A. Bianco, L. Addante, C. Trisolini, A. Petrella

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P. Mazzone, G. Franzoni, M. Torricelli, A. Fratto, A. Donniacuo, L. Schiavo, L. Petrucci, L. Madeo, S. Zinellu, S. Dei Giudici, E. De Carlo, G. Galiero, A. Martucciello

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D. Masiuk, V. Nedzvetsky

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A. Meletiadis, A. Romano, B. Moroni, M.R. Di Nicola, V. Montemurro, M. Pitti, M. Pezzolato, E. Bozzetta, S. Sciuto, P.L. Acutis

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D. Meloni, M.C. Cavarretta, A. D'Angelo, F. Ingravalle, G. Perrotta, E. Bozzetta, P. Acutis, M. Mazza, C. Corona, B. Iulini, S. Ravetta, L. Pite

**P053****Introduction of a divergent canine Parvovirus type 2 strain in Sicily, southern Italy, through the Mediterranean sea route to Europe**

F. Mira, G. Schirò, D. Vicari, G. Franzo, G. Purpari, E. Giudice, M. Trapani, A. Carrozzo, G. Spene, V. Talarico, A. Guercio

**P054****Detector dogs as a tool to mitigate risk of ASF introduction in Sardinia (Italy): preliminary results**

B. Mossa, P. Uras, G. Usai, P. Desini, N. Spissu, G. Campus, G. Bitti, S. Canu, F. Dettori, C. Pinna, A. Tempesta, E. Caione, M. Merlini, F. Sgarangella

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B. Mossa, S. Canu, N. Spissu, G. Campus, G. Bitti, M. Lasia, T. Piseddu, A. Satta, F. Balia, S. Dore, P. Desini, F. Sgarangella

**P056****Serological cross-reactivity between Bovine gammaherpesvirus 4 (BoGHV-4) and Bovine alphaherpesvirus 1 (BoAHV-1) in virus-neutralization tests**

C. Righi, E. Scoccia, S. Mrabet, A. Martucciello, G. Cappelli, C. Casciari, C. Grassi, C. Pellegrini, E. De Carlo, G. Costantino, M. Maria Luisa, F. Feliziani, S. Petrini

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C. Ortello, P. Lorenzo, A. Bianco, L. Palazzo, D. Raele, N. Cavaliere, A. Parisi, A.C. Romano, M. Toce, S. Castellana, A.M. D'Antuono, D. Galante

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M. Ossola, S. Raineri, A. Gazzola, L. Filippone Pavesi, V. Ferrulli, A. Boccardo, D. Pravettoni, S. Catania, D. Prativiera, M. Cornaggia, C.F. Magistrali, A.M. Maisano

**P059****The hunt for the one BSE positive sample in over 500.000 collected samples**

C. Overbeek, L. Van Keulen, M. Mozol

**P060****Development of innovative diagnostic technologies to support field control activities of *Aethina tumida* (the Small Hive Beetle - SHB) in Italy, update 2023**

S. Ambrogio, P. Palermo, M. Garzi Cosentino, F. Allevalo, L. De Marco, V. Bonina, G. Federico, L. Barca

**P061****Distribution of toxic and potentially toxic elements in albumen and yolk of sea turtle *Caretta caretta* eggs: analysis and correlation study**

A. Pepe, M. Esposito, F. Maffucci, R. Miniero, S. Hochscheid, P. Gallo, S. Canzanella

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T. Pohjanvirta, T. Autio, S. Heinikainen, T. Pitkänen, H. Kuronen

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M. Ehling-Schulz, T. Grunert, I. Loncaric, N. Ramezani, P. Mester, J.L. Khol

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I. Ricci, G. Barlozzari, F. Rosone, G. Pacchiarotti, C. Eleni, V. Galletta, G. Marafini, K.G. Friedrich, P. Di Cerbo, M. Aloisi, M. Scarpulla, M.T. Scicluna

**P065****Concentrations of trace elements in striped dolphin (*S.coeruleoalba*) tissues from the Tyrrhenian and Ionian coastlines (Calabria, Italy)**

D. Ricupero, A. Priolo, G. Lucifora, P. Gallo, M. Esposito, E. De Carlo, L. Curcio

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M. Rocchi, A. Stephen, A. Hayward, M. Maley, H. Mcdougall, S. Brown, J. Duncan, F. Kenyon, G. Mitchell

**P067*****Vairimorpha ceranae* and *Vairimorpha apis* in bees (*Apis mellifera*), pollen and honey in southern Italy**

G. Sgroi, A. Mancusi, G. Rofrano, D. Signorelli, M.G. Lucibelli, M. Esposito, Y.T.R. Proroga, N. D'Alessio, A. Gallo, A. Siciliano, L.J. D'Auria

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C. Scalfaro, G. Cillo, L. Marino, A. Lanza, S. Taglieri, F. Anniballi

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R. Sting, B. Polley, E. Hiller, L. Schneider-Bühl

**P070****Prevalence of some respiratory viruses and evaluation of bacterial coinfections in swine from southern Italy**

M. Levante, F. Serra, N. Riccone, G. Desio, A.M. Pugliese, S. Brandi, F. Del Piano, A. Cacace, E. Di Lecce, G. De Luca, E. De Carlo, G. Fusco, M.G. Amoroso

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A. Serroni, G. Armillotta, C. Laguardia, S. Ullisse, M. Iorio, L. Testa, F. Parolini, S. Capista, S. Traini, S. Fanì, C. Palucci, G.F. Ronchi, M. Di Ventura, M.T. Mercante

**P072****Complete genomic sequence of a Pestivirus N (Tunisian sheep-like pestivirus) isolated in Italy**

E. Sozzi, C. Chiapponi, G. Leo, L. Soliani, D. Lelli, C. Tolini, M. Carrera, T. Trogu, A. Moreno, M. Bazzucchi, A. Lavazza

**P073****Use of DNA testing to assess traceability of kept animals**

N. Spissu, G. Campus, B. Mossa, S. Canu, G. Bitti, M. Lasia, A. Satta, G. Cavedagna, S. Bionda, F. Sgarangella, P. Desini, G.B. Petretto, C. Maestrale

**P074****Subclinical mastitis related to *Streptococcus canis* infection**

A. Sposato, L. Del Sambro, S. Castellana, L. Capozzi, A. Bianco, G. Schino, E. Catalano, A. Miccolupo, M. Galgano, C. Trisolini, D. Pugliese, A. Milano, L. Addante, L. Pace, L. Marino

**P075****Evaluation of different markers of trained innate immunity induced by *Mycobacteria* in a porcine model**

T. García-Seco, I. Moreno, C. Herranz, A. Pérez-Domingo, A. Díez-Guerrier, A. Buendía, M.Á. Rialde, F. Cruz, M. Domínguez, L. Domínguez, M. Pérez-Sancho

**P076****LAMP: new DNA/RNA amplification technology as a point of care tool to help diagnostic of *Coryza* in cats**

T. Thibault, L. Melo, L. Valot, A. Zocevic, M. Simonnet, W. Yakoub, D. Schieb, M. Gene, E. Schaeffer, C. Bettin, L. Thiery

**P077****Survey on serological assessment of *Leishmania infantum* in cats in Campania and Calabria regions**

S. Cavallo, T. Toscano, R. D'Ambrosio, L. Barca, M. Garzi Cosentino, R. Brunetti, P. Palermo, F. Vitale, L. Spadari, V. Fogliamanzillo, L. Petruzzo, M. Ascierio, A. Pucciarelli, P. Serpe, L. Baldi

**P078****LAMP: new DNA/RNA amplification technology as a point of care tool to help diagnostic of *Parvovirus* in cats and dogs**

L. Valot, A. Zocevic, L. Melo, T. Thibault, M. Simonnet, W. Yakoub, D. Schieb, M. Gene, C. Bettin, E. Schaeffer, L. Thiery

**P079****Biomarkers of oxidative stress in cerebrospinal fluid in dogs with intervertebral disc herniation and idiopathic epilepsy**

M.G. Velasco-Martínez, A. Campos, Á.M. Hernández, D. Chicharro, A. Del Romero, L. Pardo, J.J. Cerón, K. Satué

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### 5 years of phylogenetic analysis of PRRSV-1 strains circulating in Italy

D. Vio, M. Ustulin, C. Zanon, L. Ferino, E. Floreani, C. Targhetta

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### LAMP: new DNA/RNA amplification technology as a point of care tool to help diagnostic of tick diseases in dogs

A. Zocevic, L. Melo, T. Thibault, L. Valot, M. Simonnet, W. Yakoub, D. Schieb, M. Gene, E. Schaeffer, C. Bettin, L. Thiery

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### Extended spectrum beta-lactamases and carbapenem resistance in environmental strains of *Klebsiella pneumoniae* identified in veterinary hospital

D. Dellamaria, S. Deotto, L. Viel, M. Corrà, M. Vedana, E. Spagnolo, A. Masiero, P. Danesi, K. Capello, A. Pinto, G. Capelli, M. Vascellari, M. Cocchi

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G. Tedde, M. Roccaro, G. Pilo, A. Peli, G. Carta, L. Secchi, A. Simula, G. Argiolas, M.C. Deiana, P. Nicolussi

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P. Di Matteo, D. Smedile, M. Iurescia, A. Ianzano, E. Dell'Aira, G. Cordaro, E.L. Diaconu, A. Giacomi, R. Onorati, A. Caprioli, V. Carfora, A. Franco, A. Battisti, P. Alba

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### Emerging resistance to florfenicol in *Actinobacillus pleuropneumoniae* isolates from italian pig herds

E. Albini, F.R. Massacci, L. Cucco, G. Binucci, M.E. Nigro, M. Ustulin, P. Papa, M. Paniccia, D. Vio, M. Cinthi, S.N. Coccitto, E. Giovanetti, A. Brencciani, C.F. Magistrali

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A. Alessiani, M. Rulli, C. Pompili, F. Cito, A. Petrini

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### Antimicrobial susceptibility testing of *P. multocida* in different approaches

L. Barta, T. Sattler, F. Schmoll

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### Occurrence of antibiotic resistance genes in wild boars

R. Paradiso, A. Rinaldi, M.C. Cuomo, R. Scognamiglio, N. D'Alessio, M. Paone, G. De Luca, F. Del Piano, O. Valvini, G. Borriello

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### Occurrence of Extended-spectrum $\beta$ -lactamases and carbapenemase-producing Enterobacterales from surface water in the Apulia region

G. Nobili, A. Cocomazzi, M.G. Basanisi, G. La Bella, R. Coppola, A.M. Damato, A.M. D'Antuono, T. Scirocco, M. Muscarella, S. Lomagro, S. Summa, I. Franconieri, A. Stallone, M. Notarangelo, R. Petruzzelli, C. Pedarra, L. Dattoli, L. Serrecchia, V. Vetrutto, F. Arena, M. Iurescia, V. Bortolaia, G. La Salandra

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### ESKAPE pathogens: survey in a catering company

A. Madio, A. Salvaggiolo, M.M. Dimuccio, G. Giustino, A. Cavalli, M. Corrente

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### Standardized protocol for microbiological AMR monitoring in wastewater

F. Di Timoteo, T. Romualdi, R. Di Romualdo, K. Zilli, E. Felicioni, L. Di Marcantonio, G. Aprea, V. Acciari, G. Garofolo, A. Janowicz

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### Carbapenem and colistin resistant *Shewanella* algae isolated from Loggerhead Sea Turtles (*Caretta caretta*) in an italian region Apulia

L.M. Difato, A. Donatiello, A. Bianco, L. Marino, A. Petrella, S. Castellana, V. Rondinone, L. Del Sambro, V. Manzulli, D. Farina, B. Scalese, D. Galante, A. Parisi, M. Caruso, R. Fracalvieri

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### Antimicrobial resistance and biofilm-forming ability of *Escherichia coli* and *Klebsiella* spp. isolated from urine samples in dogs

A. Facchin, J. Filipe, F. Tagliasacchi, G. Grilli, T. Vitiello, L. Musa, S. Lauzi

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### Survey on antibiotic resistance of mastitis bacteria isolated from dairy sheep in Sardinia (Italy), 2023-2024

I. Fadda, D. Brundu, L. Pinna, F. Cauli, M.P. Firinu, S. Ghisu, B. Zulato, S. Dore

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### Low prevalence of colistin resistance in *Escherichia coli* from Swiss livestock

C. Fleury, J.E. Fernandez, V. Perreten, O. Gudrun

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### *Enterococcus faecium* VRE and *Staphylococcus aureus* MRSA from magpie (*Pica pica*) from italian region Apulia

R. Fracalvieri, L.M. Difato, A. Donatiello, B. Scalese, G. Caldarola, L. Capozzi, S. Castellana, V. Rondinone, V. Manzulli, L. Pace, D. Galante, M. Tempesta, A. Parisi, M. Caruso

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### Prevalence of methicillin resistance *Staphylococcus aureus* in slaughterhouses and meat shops of northern area of Pakistan

S. Khan, H.S. Siddique

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**Pathogen and antibiotic resistance surveillance in swine farm slurry by nanopore metagenomics**

J. Marti-Carreras, G. Melgarejo, M. Carrasco, M. Noguera-Julián, X. Roura, E. Mateu, O. Francino

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**Enterococcus species as an antimicrobial resistance barometer in wildlife: preliminary results**

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