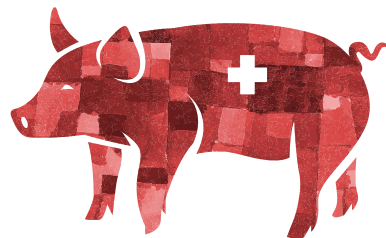




ESPHM



2025

16th EUROPEAN SYMPOSIUM OF PORCINE HEALTH MANAGEMENT

BERN/SWITZERLAND
May 21st - 23rd, 2025

ECPHM EUROPEAN COLLEGE
OF PORCINE HEALTH
MANAGEMENT

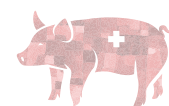
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CONGRESS VENUE Kursaal Bern, Switzerland

PROGRAMME BOOK



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Programme Book

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Welcome MESSAGE

Dear Esteemed Members of the Porcine Health Management Community,

It is my great pleasure and honor to extend to you a warm welcome to the European Symposium of Porcine Health Management (ESPHM) 2025, which will be held in the picturesque city of Bern, Switzerland.

As we gather together for this momentous event, we reflect on the journey that has brought us here. Originally announced in 2019 and planned for 2020, our congress faced unprecedented challenges due to the global pandemic. However, through resilience and adaptation, we transformed the obstacles into opportunities, convening virtually in 2021 to continue our vital discussions and collaborations in porcine health management.

Now, in May 2025, we are delighted to invite you to join us in person in Bern, Switzerland. Nestled amidst the breathtaking landscapes of the Swiss Alps, Bern offers a captivating backdrop for our congress. Its rich history, vibrant culture, and renowned hospitality promise to enhance our experience as we come together to advance the field of porcine health management.

Our congress is organized jointly with the European College of Porcine Health Management (ECPHM) and the Veterinary Practitioner Council (VPC), exemplifying our commitment to excellence in education, research, and practice. With a diverse program featuring keynote lectures, round table discussions, parallel scientific sessions, and endless networking opportunities, the ESPHM 2025 promises to be a stimulating and enriching event for all attendees.

We extend our invitation to all pig veterinarians, researchers, industry professionals, policymakers, and other stakeholders who share our passion for promoting the health and well-being of pigs. Your expertise, insights, and contributions are invaluable as we work together to address the evolving challenges and opportunities in porcine health management.

On behalf of the organizing committee, I invite you to join us in Bern for a congress that promises not only professional growth and collaboration but also unforgettable experiences and connections. Together, let us forge new pathways, share knowledge, and inspire innovation in porcine health management.

We look forward to welcoming you to Bern, Switzerland, for the ESPHM 2025.

Warm regards,

Heiko Nathues
Chair of the Local Organizing Committee of the ESPHM 2025



Scientific COMMETTEE

LOCAL ORGANISING COMMITTEE



Heiko Nathues
Head of LOC
and Chair of
ESPHM 2025



**Alexander
Grahofer**
Vetsuisse Bern



Dolf Kümmerlen
Vetsuisse
Zürich



Patricia Scheer
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Association of
Swine Health



**Fabienne
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Die Tierärzte
OG

The ECPHM is a non-profit organization under the umbrella of the European Board of Veterinary Specialization (EBVS).

EBVS recognises and monitors veterinary speciality Colleges in Europe. It defines guidelines for the recognition and registration of specialists in areas of veterinary medicine in Europe, and maintains an updated register of European Veterinary Specialists. EBVS encourages and promotes the enhanced utilization and availability of veterinary specialist services to the public and the veterinary profession.

The ECPHM works for the advancement of health and welfare oriented porcine production management in the herd context in Europe, and the increase of the competency of those who practice in this field.

The major objectives of the ECPHM include:

- Establishing guidelines and standards of training for postgraduate education and experience prerequisite to become a veterinary specialist in the specialty of porcine health management.
- Examining and authenticating veterinarians as specialists in porcine herd health management to serve health and welfare of the animals, the economic outcome of the herd, and the production of safe quality product for consumers in a sustainable animal production by providing expert care for pigs.
- Encouraging research and other contributions to the science and practice of porcine herd health management including husbandry, reproduction, epidemiology, pathogenesis, diagnosis, therapy,

prevention, and control of diseases directly or indirectly affecting pigs and the maintenance of healthy and productive pig herds.

- Porcine health management also includes the impact on quality and safety of pork and gives special consideration to herd health and production, production systems and targets, and the management of pig populations.
- Promoting communication and dissemination of knowledge.

The ECPHM is organized through different bodies that take care of the different activities performed:

- the Board represents the College and is its main government body;
- the Education Committee organizes educational events for the ECPHM residents, including the e-learning sessions, the pre-symposium workshop and the summer school. The Education Committee also approves Resident training programs;
- the Examination Committee prepares the annual exam and arranges the examination of residents;
- the Credentials Committee reviews and approves the applications for admittance to the residency program, as well as the applications to sit the exam, and review applications for recertification of the Diplomates;
- the Nominations Committee manages and reviews the proposals for nominations in the different committees and board;
- the ECPHM activities are supported by a permanent Administrative Secretariat in Parma, Italy.

The first ESPHM was organized by the ECPHM in 2009 in Copenhagen (Denmark). Subsequent meetings were organized in Hannover (Germany) and Helsinki (Finland). After the creation of the European Association of Porcine Health Management (EAPHM) in 2010, the following symposia were organized in a three-party fashion, involving the EAPHM, the ECPHM and the local organizers until ESPHM 2021.

ESPHM 2009 Copenhagen (Denmark)
ESPHM 2010 Hannover (Germany)
ESPHM 2011 Helsinki (Finland)
ESPHM 2012 Bruges (Belgium)
ESPHM 2013 Edinburgh (United Kingdom)
ESPHM 2014 Sorrento (Italy)
ESPHM 2015 Nantes (France)
ESPHM 2016 Dublin (Ireland) co-organized with IPVS
ESPHM 2017 Prague (Czech Republic)
ESPHM 2018 Barcelona (Spain)
ESPHM 2019 Utrecht (The Netherlands)
ESPHM 2021 Virtual Symposium
ESPHM 2022 Budapest (Hungary)
ESPHM 2023 Thessaloniki (Greece)
ESPHM 2024 Leipzig (Germany) co-organized with IPVS

By means of this organizational formula, the ESPHM has been held so far in various European Countries.

The 16th edition will be held in 2025 in Bern (Switzerland) and is jointly organized by the European College of Porcine Health Management (ECPHM), a renewed council of European pig practitioners (Veterinary Practitioner Council, VPC) and the Local Organizing Committee (LOC).

The symposium philosophy consists of mounting a sound program, with cutting-edge scientific-technical knowledge, practically oriented, which is able to catch the attention of swine veterinarians all over Europe, but with full international vocation.

The symposium's content includes invited lectures, initiating always with the state-of-art swine production in the organizing country, as well as oral communications, posters and flash talks. Importantly, the ESPHM is an excellent platform for introducing the ECPHM Residents into the scientific world, by presenting their studies (Resident oral communication sessions) and participating in the College activities organized around the symposium (e.g., Resident workshop, farm visits).

In addition, the ESPHM must serve as a vehicle for potentiating networking among pig veterinary professionals all around Europe, and emphasize the global character of a borderless profession. Also, Annual General Meetings of the ECPHM are organized within the program of the symposium, and facilitate that the critical mass of the college can join together once a year.

Porcine Health Management (PHM) is an open access peer-reviewed journal that aims to publish relevant, novel and revised information regarding all aspects of pig health medicine and production. The journal provides a venue for global research on pig health and production, including infectious and non-infectious diseases, reproduction, epidemiology, management, economics, genetics, housing, nutrition, animal welfare and ethics, legislation, food safety, drugs and surgery. This journal is aiming at readers, and attracting authors, with different levels of experience; Diplomates and Residents of the ECPHM and other colleges as well as PhD students and experienced researchers from outside! Anticipated articles include: original research, reviews, short communications, case reports, case studies and commentaries.

The Editors-in-Chief are **Paolo Martelli** (University of Parma, Italy) and **Heiko Nathues** (University of Bern, Switzerland).

Journal of Porcine Health Management – 2024 Highlights

Advancing Excellence in Swine Health and Welfare

- Impact Factor 2024: 3.2
- CiteScore 2024: 4.1
- Average Time to First Decision: 21 days
- Acceptance Rate: 42%
- Open Access – Global Reach: 100+ countries

- Editorial Board: International experts in swine medicine, virology, epidemiology, and welfare
- Submissions from 25+ Countries in 2024
- Top Topics: ASF, PRRS, antimicrobial stewardship, biosecurity, precision livestock farming

A great achievement for a young journal like PHM!

Please use the online submission system to submit your manuscript. For all enquiries about the journal, technical issues, payment of article processing charges (APCs), etc. please contact: porcinehealthmanagement@biomedcentral.com.

There are many reasons to publish in PHM:

- Fast, fair, and expert peer-review
- High visibility through open access
- Indexed in PubMed, Scopus, and Web of Science
- Official journal of the European College of Porcine Health Management (ECPHM)
- More than 300'000 downloads in 2024



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Boehringer Ingelheim - Animal Health business

Boehringer Ingelheim provides innovation for preventing and treating diseases in animals. The company offers a wide range of vaccines, parasite-control products, and medicines for pets, horses, and livestock to veterinarians, animal owners, farmers, and governments. As a leader in animal health, Boehringer Ingelheim values that the health of humans and animals is deeply connected and strives to make a difference for people, animals, and society. Learn more at www.boehringer-ingelheim.com/animal-health

**CEVA SANTE ANIMALE**

A research-driven global animal health company, we have been helping veterinary professionals and those who look after animals all around the world to reach far beyond animal health and welfare. We're truly global, based in 47 countries and working across more than 110. We have 21 R&D centers, 33 production sites and more than 7000 employees worldwide. Ceva's innovative health solutions include products, equipment, training, technical support, data analysis and specialized services to ensure their optimal use.

Ceva is a key partner for the swine sector, thanks to a broad range of veterinary products providing the right responses to the sanitary and zootechnical objectives of modern swine farming. The Group has invested heavily, especially in R&D, to offer the right products to meet the needs of professionals, notably in vaccines, reproduction and anti-infectives.

Ceva, as a gold Sponsor at ESPHM 2025 is taking the opportunity to communicate the strength in SW vaccines in Europe, being 3rd in the SW biologicals ranking. Also we will present our recently launched vaccine, Cirbloc M Hyo, and services as Ceva Lung Program, our exclusive tool to monitor Respiratory problems.

For more information, please come and visit us on our booth #16

**KEMIN**

As the world's population continues to grow, the demand for protein soars. Kemin is dedicated to developing ingredients that help producers raise healthy livestock and poultry. We offer the most comprehensive portfolio of high-quality and science-based-services and solutions. Our nutritional ingredients and vaccines proactively address bacterial, viral, parasitic, as well as toxic challenges for a profitable preventive strategy while committing to responsible use of medicines. Our solutions are backed by a team of experts, as well as rigorous quality and safety standards, to ensure our customers get the most out of every product. In this way, we strengthen animals and foster a healthy and sustainable business for you – our customers.



MSD ANIMAL HEALTH

At MSD Animal Health, we are committed to preserving and improving the health, wellbeing, and performance of animals. Central to our mission is the transformation of pig farming through innovative health solutions and advanced on-farm technologies that promote the health and well-being of pigs. By integrating these state-of-the-art solutions, we empower veterinarians and farmers to embrace the future of pig farming, ultimately delivering greater value to consumers.

Our comprehensive portfolio includes one of the broadest ranges of veterinary pharmaceuticals, vaccines, health management solutions and services available. We also offer an extensive suite of connected technologies, including identification, traceability, and monitoring products that further enhance our commitment to animal health and well-being.

We are excited to introduce Swine Protect & Connect, an industry advanced and integrated Health-Tech solution, designed to support the swine industry with efficacy, efficiency, and transparency. This opportunity positions MSD Animal Health at the forefront of biologicals and technology in the swine field.



ZOETIS

As the world's leading animal health company, Zoetis is driven by a singular purpose: to nurture our world and humankind by advancing care for animals. After innovating ways to predict, prevent, detect, and treat animal illness for more than 70 years, Zoetis continues to stand by those raising and caring for animals worldwide – from veterinarians and pet owners to livestock farmers and ranchers. The company's leading portfolio and pipeline of medicines, vaccines, diagnostics and technologies make a difference in over 100 countries. A Fortune 500 company, Zoetis generated revenue of \$9.3 billion in 2024 with approximately 13,800 employees. For more information, visit www.zoetis.com.

Zoetis provides numerous health and wellness products and services for pigs. Our experts work with swine producers and veterinarians to help them make informed decisions to produce safe, high-quality pork. Some of our major products for pigs include the vaccines CircoMax® Myco, CircoMax®, and Suvaxyn® PRRS MLV; premium anti-infectives as Draxxin® and Naxcel® for Swine, and the immunological alternative to physical castration Improvac®. We also offer comprehensive education and training to those who work directly with pigs or supervise pig caregivers. Learn more: <https://www.zoetis.com/products-and-science/livestock>



BRONZE SPONSOR

ANITOX

Anitox is a global leader specializing in pathogen control and feed milling efficiency solutions for the swine industry. Anitox supports swine producers and feed manufacturers by ensuring animal health and performance. Anitox supports producers by ensuring regulatory compliance and reducing contamination risks. Operating worldwide, Anitox maintains strong commitments to sustainability, animal welfare, and food safety, continuously driving advancements through research and technological innovation to deliver safer, healthier, and more profitable livestock production.



BIOCHECK

Since 1997, BioChek has been supporting the poultry and swine industries to help improve livestock productivity and promote animal health. BioChek's extensive portfolio of veterinary diagnostics is used worldwide to detect a wide range of poultry and swine diseases. Our head office is based in the Netherlands, and we have an R&D department and production facility in the UK, a USDA-licensed facility in the USA, a regional office in South Africa, regional and local sales teams, and numerous distributors across the globe.



EXOPOL

EXOPOL is a veterinary biotechnology company specializing in diagnostic services, autogenous vaccines, and qPCR kits. Founded in 1993, we are based in Zaragoza, Spain, a key livestock-producing region in Europe. With a team of over 60 professionals, we dedicate 25% of our resources to R&D to develop innovative solutions for swine and other livestock species.

As one of Spain's leading diagnostic laboratories, we offer a Real-Time PCR portfolio of over 300 assays, ensuring precision and reliability in disease detection. We believe that accurate diagnostics are key to producing the best autovaccines. Innovation is in our DNA, and we are committed to shaping the future of animal health.



HENKE-SASS, WOLF GMBH

RELIABILITY DRIVEN BY INNOVATION

For over 100 years, we have been shaping the future of livestock injection and application technology, turning visions into high-quality, innovative products.

Our expertise in plastics, metal turning, optics and electronics fuels continuous innovation. With more than 1,500 employees and 80% of our products sold worldwide, we ensure excellence in veterinary applications. Our strong global partner network guarantees availability, service and support.

We collaborate with pharmaceutical companies to develop tailored solutions focused on user comfort, animal welfare and efficiency. As OEM manufacturer, we also offer private label production with proven quality.

Every HSW product is designed for precision, durability and reliability in demanding veterinary environments.



MEDDIT

As a professional supplier of Veterinary equipment, Meddit B.V is a Dutch company dedicated in providing efficient, high-quality products, especially for vaccination or liquid medicine delivery systems. With more than total 50 years of team's experience in these specific areas, Meddit develops a lot of success products to help our customers.

Nowadays, Meddit expands the business to Biotech industry. The unique product shows its strong attraction of biotechnology customers, and start to be the new trends in biotech labs.

Meddit B.V., a never-stop-innovation company, will devote all the efforts to create more great solutions for our customers!



MEDI NOVA

For over 20 years, Medi Nova, based in Italy, has been a trusted partner in the livestock sector, driving research, innovation, and progress.

Our core expertise lies in formulating and producing high-quality boar semen extenders, leveraging the latest technologies to deliver top-tier products.

The patented technology of FORMULA semen extenders stems from the R&D partnership between Medi Nova and the University of Parma, culminating in the latest formulation of the antibiotic-free MEDI BIO ACTIVE.

Beyond extenders, Medi Nova provides cutting-edge equipment, products, and technologies designed to enhance farm efficiency and animal welfare, offering innovative solutions to meet the evolving needs of the industry.

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PHARMACOSMOS

At Pharmacosmos, we are specialists in iron therapy. We develop, manufacture and market medicines for the treatment of iron deficiency anaemia in humans and animals. We are furthermore specialists in developing and producing advanced carbohydrates for pharmaceutical and technical uses. We are a family owned company during three generations and have our headquarters in Holbæk, Denmark and affiliates in the US, China, UK, Ireland, Germany, Sweden and Norway. We have grown considerably over the past several years and are at present more than 650 people working with all aspects of a fully integrated pharmaceutical company.

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POULPHARM

Poulpharm: Your Trusted Partner in Animal Health & Science

Poulpharm is an independent, global leader in animal health and research, providing high-quality services from diagnostics to (pre-)clinical trials under GCP and safety studies in GLP-accredited facilities. Founded in 2006 and headquartered in Belgium, Poulpharm operates worldwide, including Hungary, France, Italy, Vietnam, the Philippines, Myanmar, and Jordan. Our expertise covers diagnostics, autogenous vaccines, and contract research, assisting veterinarians, farmers, and businesses in delivering innovative animal health solutions. Committed to compliance, efficiency, and animal welfare, Poulpharm advances disease prevention, treatment effectiveness, and sustainable farming practices.

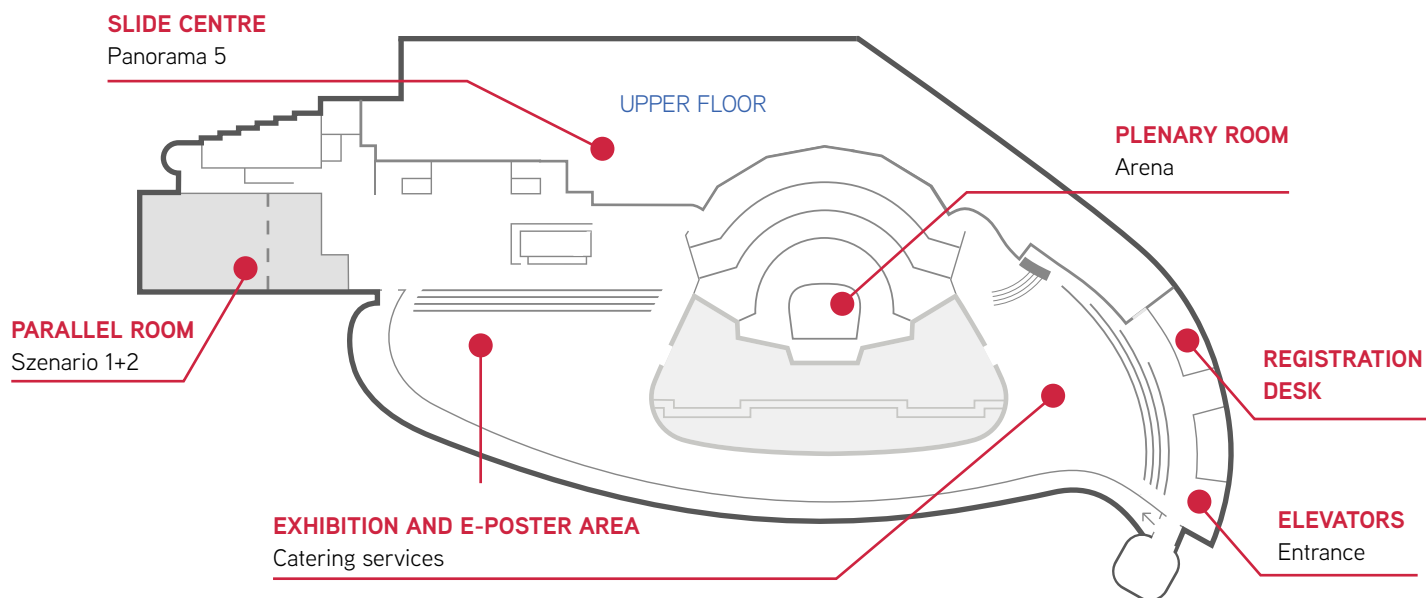
**poul
pharm**





Floor Plan

KURSAAL BERN FLOOR PLAN





Keynote lectures

FREEDOM FROM DISCOMFORT



DR. DAVID RENAUDEAU

“The impact of global warming on pig production/husbandry”

Wednesday May 21, 13.30-15.00

Biosketch

Dr David Renaudeau, is a senior researcher at the PEGASE (Physiology, Environment and Genetics for Animal and Livestock Systems, F 3590 St Gilles) joint research unit between INRA and the AGRO Institute. D. Renaudeau has 25 years of experience in pig nutrition and adaptation to heat stress. Part of his current research focuses on assessing the vulnerability of the pig sector to climate change and evaluating adaptation strategies.

Abstract

Since 2003, there has been a broad consensus in the livestock sector that the effects of climate change are increasing. Climate change has the potential to reduce EU pig productivity by indirectly increasing uncertainties related to the availability and cost of the main crops commonly used in pig feed, by increasing the risk of mycotoxin contamination of cereals, by spreading the vector or pathogen to new areas with the risk of epidemics affecting pigs and humans; and directly, mainly by inducing heat stress and increasing the susceptibility of the animal to various diseases. Providing realistic projections of the possible impacts of future climate change on the EU pig sector is a prerequisite for assessing its vulnerability, but also for proposing cost-effective adaptation strategies. One of the key challenges is to assess this vulnerability in an uncertain future characterised by constantly changing socio-economic, political and regulatory factors, all of which will have a significant impact on the ability of pig farmers to adapt.

FREEDOM FROM DISCOMFORT

**PROF. IRENE CAMERLINK**

“Pigs’ perception of ambient temperatures:
a sustainable approach to thermoregulation”

Wednesday May 21, 13.30-15.00

Biosketch

Dr. Irene Camerlink is a researcher in animal behaviour and welfare, with a focus on the social behaviour of pigs. She conducted her PhD at Wageningen University (Netherlands) and thereafter worked as postdoctoral researcher at SRUC (Edinburgh, UK) and the Vetmeduni, Vienna (Austria) before taking a position as Associate Professor (Hab.) at the Institute of Genetics and Animal Biotechnology of the Polish Academy of Sciences, Poland. She is Editor-in-chief of the journal Applied Animal Behaviour Science, and editor of the books ‘Animal Welfare in Practice: Pigs’ and ‘Bridging Research Disciplines to Advance Animal Welfare Science’. She was awarded the ISAE New Investigator Award in 2017 and the UFAW Young Animal Welfare Scientist of the Year Award in 2020. Throughout her career she has studied pig behaviour and welfare by combining multiple disciplines such as genetics, ethology, behavioural ecology and social sciences.

Abstract

How pigs perceive their environment is ultimately an individual experience that varies within and between individuals. Following temperature recommendations for best pig performance is a good practice at the herd level but ignores individual needs. Literature has shown that pigs can perform well across a range of climates, including cold and tropical climates. However, the individual’s needs, aside from temperature recommendations based on age categories, have hardly been considered for pigs. In particular, the use of different thermal zones, variability in temperature and microclimates is understudied. This may result in thermal discomfort, with most notably heat stress in highly productive pigs and cold stress in young and sick pigs. With the global change in climates, farms located in certain geographical areas may have to reconsider their temperature management systems, as ambient temperatures may increasingly exceed seasonal norms. Heating a full building to always have the same constant temperature may not be economically feasible (in terms of energy costs), environmentally sustainable, or best for pig welfare. Given the rapid and profound changes to the climate, as well as the urgent need to work towards a more sustainable pig sector in terms of financial viability, environmental impact, farmer well-being and animal welfare, it is needed to reconsider temperature management in indoor pig housing systems.

FREEDOM FROM HUNGER AND THIRST, FREEDOM FROM PAIN, INJURY AND DISEASE



DR. VIVI AARESTRUP MOUSTSEN

“Ensuring proper feed and water in loose-housing of pigs”

Thursday May 22, 08.30-10.00

Biosketch

Vivi received her M.Sc. in Animal Science from The Royal Veterinary and Agricultural University in Frederiksberg, Denmark, in 1995, and her PhD in Animal Science at the same University in 2002. Vivi has been focusing on research and development production conditions for farrowing and lactating sows. From 2002 and onwards the emphasis has been on development of systems for loose housed farrowing and lactating sows. The research includes determination of sow and piglets dimensions, space needed for important behaviours and criteria for pen design as well as water accessibility, sows' nursing capabilities and large litters. The aim of SEGES is to develop, test and recommend the best technologies for production of pigs in Denmark.

As chief scientist, she is involved in assimilation of results to end users and ongoing encouragement to get results to work in practice. In addition, Aarestrup Moustsen has been the author/coauthor of a number of peer review scientific papers, abstracts for international conferences, and is also reviewer for a couple of scientific journals. In addition to her work at SEGES, Aarestrup Moustsen has been honorary associate professor in animal husbandry, pigs, at the Department of Large Animal Sciences, Faculty of Health and Medical Sciences, University of Copenhagen (UCPH), Denmark, a position she has had since 2012.

Read more on www.esphm2025.org/dr-vivi-moustsen/

Abstract

Abundant access to water is of importance for hyper-prolific sows and their progeny

Water is essential to most biological processes within the sow and not the least for milk production as sow milk consists of app. 80% water. It is beyond doubt that the availability of water and for newborn piglets sowmilk is essential to all pigs. Yet, few farmers and advisors are aware of the daily water consumption despite the potential of water consumption at pen level as an online tool for surveillance of hyper prolific farrowing and lactating sows.

In 2023, SEGES recorded water consumption in a sow-herd with dry feed being 17 L/sow on day 1 after farrowing and 28 L/sow on day 18 after farrowing. The observed water consumption was higher than previously reported, which is expected to be related to the fact that sows' today have greater feed intake and a higher milk production. Sows with low water consumption on day 2 after farrowing continued to have low water consumption for the rest of the lactation period. Correspondingly, sows with high water consumption on day 2 after farrowing continued to have high water consumption for the rest of the lactation period. In addition, an indication of changes in drinking patterns for sows that were subsequently treated with antibiotics was observed.

In 2024, SEGES in collaboration with Aarhus University registers water consumption, farrowing initiation and duration as well as whether water activity registered at pen level can be used as an indicator of sow eating activity.

FREEDOM FROM HUNGER AND THIRST, FREEDOM FROM PAIN, INJURY AND DISEASE

**PROF. ELISABETH GROSSE BEILAGE**

“Detection and treatment of pain in diseased pigs”

Thursday May 22, 08.30-10.00

Biosketch

Prof. Elisabeth Grosse Beilage, DVM, PhD, Dipl. ECPHM

Is a veterinarian at the University for Veterinary Medicine Hannover, Germany, since 1989; at first in the Clinic for Swine and Small Ruminants and later as a senior scientist at the Field Station for Epidemiology. Area of current research is focussed on animal welfare, clinic and epidemiology of infectious pig diseases and control/eradication of these infections. Other areas of expertise are pig herd health management, zoonosis control, vaccination and gross pathology.

FREEDOM FROM HUNGER AND THIRST, FREEDOM FROM PAIN, INJURY AND DISEASE

**DR. LYDIA KUHNERT**

“Detection and treatment of pain in diseased pigs”

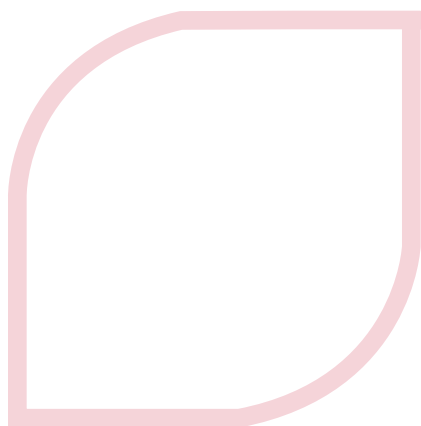
Thursday May 22, 08.30-10.00

Biosketch**Education and Employments**

After studying veterinary medicine at Leipzig University (2008-2014), Dr. Kuhnert started her doctoral thesis at the group of Prof. Dr. Walther Honscha at the Institute for Pharmacology, Pharmacy and Toxicology (Faculty of Veterinary Medicine, Leipzig University) supported by a PhD scholarship of H. Wilhelm Schaumann Foundation (2014-2016). Since 2016, she is employed as scientist in the group of Prof. Honscha and finished her doctoral thesis in 2019. Since 2016, she gives lectures in veterinary pharmacology and pharmacy courses. Dr. Kuhnert is specialist for veterinary pharmacology and toxicology and since 2022, started to habilitate in pharmacology at Leipzig University. Additionally, she is head of laboratory at the Institute for Pharmacology, Pharmacy and Toxicology and since 2024, project leader of the biosafety laboratory S2 at the Institute for veterinary anatomy (Leipzig University).

Read more on www.esphm2025.org/dr-med-vet-lydia-kuhnert/

FREEDOM FROM HUNGER AND THIRST, FREEDOM FROM PAIN, INJURY AND DISEASE



PROF. ELISABETH GROSSE BEILAGE

DR. LYDIA KUHNERT

"Detection and treatment of pain in diseased pigs"

Thursday May 22, 08.30-10.00

Abstract

This presentation will provide an overview about pain recognition, evaluation, the mechanism of action of different analgesics and their effect on common diseases.

Untreated pain in pigs causes suffering, distress and welfare concerns. The recognition, evaluation and treatment of pain in pigs, especially from spontaneously occurring diseases and injuries, is often disregarded compared with other farm animals. In contrast, pain associated with procedures such as castration or tail docking has been more extensively studied, probably because it is directly induced by human intervention. Veterinarians are responsible to alleviate pain in pigs, so identifying and grading pain in spontaneously occurring diseases and injuries needs to become an inevitable part of the clinical examination in pigs.

In the EU, NSAIDs such as salicylates, flunixin, meloxicam, ketoprofen and tolfenamic acid are approved for pain management in pigs. In addition, NSAID-like drugs acetaminophen and metamizole are available, but no strong opioids are approved. For PPDS (postpartum dysgalactia syndrome), flunixin, meloxicam, ketoprofen and tolfenamic acid have effective anti-inflammatory properties. Less information is available on treatment of musculoskeletal pain but an analgesic effect of meloxicam, flunixin, and ketoprofen is reported. Antipyretic effects can only be achieved if a drug overcome the blood-brain-barrier. While Meloxicam only has peripheral effects, acetaminophen, salicylates, ketoprofen, flunixin and metamizole have antipyretic effects. However, tolfenamic acid and flunixin is less effective on fever in some respiratory infections.

Veterinarians need to be aware of Article 106 of EU Regulation 2019/6 regarding the use of veterinary medicinal products in accordance with the marketing authorization.

FREEDOM TO EXPRESS NORMAL BEHAVIOUR

**DR. ALEXANDER GRAHOFER**

“Reproductive behaviour and management of parturition in free farrowing systems”

Thursday May 22, 13.30-15.00

Biosketch

Alexander Grahofer is a senior scientist at the Clinic for Swine, Department of Clinical Veterinary Science, Vetsuisse Faculty, University of Bern, where he teaches swine medicine and reproduction. He studied veterinary medicine at the University of Veterinary Medicine Vienna, Austria and received his DVM from the University of Bern, Switzerland.

He is a Diplomate of the European College of Porcine Health Management (ECPHM) and the European College of Animal Reproduction (ECAR). His current research focuses on porcine reproduction, in particular parturition and the periparturient period of sows in a free farrowing system. He is also developing innovative and new learning tools for veterinary medicine.

Abstract

The pig industry is increasingly transitioning from traditional farrowing crates to free farrowing systems, driven by growing concerns about animal welfare and regulatory requirements to enhance sow well-being. These systems provide sows with greater freedom of movement and opportunities to express natural behaviours, particularly reproductive instincts influenced by hormonal changes before farrowing. Research has shown that increased sow mobility reduces stress and positively impacts farrowing duration, as well as the health and welfare of both sows and piglets. A key advantage of free farrowing systems is the opportunity for sows to engage in nest-building behaviour, a natural activity that benefits the farrowing process, colostrum production, and uterine involution. Factors such as pen design, enrichment materials, and thermal conditions significantly influence the quality of nest-building behaviour. Sows in free farrowing systems also exhibit higher oxytocin levels during parturition, leading to shorter farrowing durations compared to crated sows. This reduction in piglet expulsion time lowers the risk of stillbirths and postparturient complications, improving overall reproductive performance. Despite these benefits, free farrowing systems pose challenges, particularly higher piglet mortality due to crushing, which remains a critical concern. Therefore, effective management strategies are essential to balance welfare improvements with productivity goals. In summary, free farrowing systems offer a promising advancement for sow welfare, provided that careful attention is given to their design and management to ensure their success.

FREEDOM TO EXPRESS NORMAL BEHAVIOUR



PROF. INGER-LISE ANDERSEN

“Behaviour of sows and their piglets in different crated and free farrowing systems”

Thursday May 22, 13.30-15.00

Biosketch

I am a professor of ethology and animal welfare at the Norwegian Univ. of Life Sciences, Dep. of Animal and Aquacultural Sciences, Faculty of Bioscience. I am currently teaching several courses in ethology and animal welfare for graduate and undergraduate students, and supervising bachelor students, master students and PhDs. My main research focus has been behaviour and welfare in pigs in all phases of production including pregnant sows, sows and piglets, weaned and finishing pigs. The topics on pigs include social dynamics, loose-housing systems, maternal behaviour and piglet survival, farrowing environment, environmental enrichment and positive emotions, and welfare of weaned pigs, finishing pigs and sows with their piglets. I also have experience in research and teaching in other farm animal species, such as sheep, goats and horses. In these species I have focused on social dynamics, and more recently on horse signals and communication and how this information can be used to enhance welfare in sport horses. Finally, I am involved in a larger project on stress biology/resilience and pigmentation in juvenile rainbow trout and salmon.

Abstract

Piglet mortality due to maternal overlying and piglet starvation caused by sibling competition increases with larger litters, especially in loose-housing systems. Nest-building, sow-initiated communication with the piglets and maternal carefulness, are all vital traits for piglet survival that are underemphasized in crated systems. While semi-crated systems offer more freedom than crates, sow welfare is still highly compromised, and a natural interaction with piglets remain limited. An optimal farrowing pen must provide sufficient space for sows to turn around and orient while communicating with their piglets. Clear separation between nest/rest and activity/dunging areas is crucial. Key features for improving piglet survival include access to nest-building materials, enough space for sows to turn and nurse, and sloped, solid walls to reduce crushing risks. Floor heating in the nest area can help newborn piglets dry faster, retain heat, and nurse sooner. Many farrowing pens assume piglets will leave the sow for a warm creep area. However, under natural conditions, piglets stay close to their mother for warmth, protection, and access to milk. Even in high-quality creep areas, piglets prefer resting in body contact with their mother during the first two days. Staying close to the sow provides piglets with the best chance of survival through warmth, comfort, and access to a teat during the colostrum period. For individually loose housed or group housed sows, systematic management routines around the time of farrowing are needed to achieve the same level of piglet survival as in crated systems.

FREEDOM FROM FEAR AND DISTRESS

**PROF. XAVIER MANTECA VILANOVA**

"Behaviour of pigs in a comparative light"

Friday May 23, 08.30-10.00

Biosketch

Xavier Manteca Vilanova received his BVSc and PhD from the Autonomous University of Barcelona and an MSc in Applied Animal Behaviour and Animal Welfare from the University of Edinburgh. Currently, he is professor of animal behaviour and animal welfare at the School of Veterinary Science in Barcelona. He has published extensively and is a diplomate of the European College of Animal Welfare and Behavioural Medicine. Xavier has been member of the Animal Health and Welfare Panel of EFSA and has participated in several EU-funded research projects.

Abstract

Understanding the behaviour of pigs is important for several reasons. First, behavioural changes are often the first sign of health or welfare problems, and behavioural observations can facilitate early diagnosis and intervention. Second, several behavioral patterns of pigs -including foraging, nest-building and aggression- have a direct impact on their welfare and production. Foraging behaviour has received the most attention as it is closely linked to tail-biting. Pigs are highly motivated to perform rooting behaviour as part of their foraging activity, and the impossibility to do so -usually due to the absence of enrichment material- is a major risk factor for tail-biting. Nevertheless, tail-biting is a multifactorial problem, and preventative strategies must consider many other aspects of husbandry, including stocking density, ventilation and water supply. Manipulable materials vary widely in their usefulness to prevent tail-biting, and these differences are related to the extent to which they keep pigs' interest and motivation to explore. Some of the most effective manipulable materials are very difficult to use in most current intensive production systems.

The importance of foraging behaviour for the welfare of pigs will be discussed in the light of research done both with pigs and with other animals. Also, viable strategies to prevent tail biting and the beneficial effects of providing enrichment material will be addressed. Finally, research done with pigs and other species on aggressive behaviour and nest-building will be briefly reviewed and their importance for pig welfare and production will be discussed.

FREEDOM FROM FEAR AND DISTRESS



PROF. PETER KUNZMANN

“Ethical challenges towards good stockmanship”

Friday May 23, 08.30-10.00

Biosketch

Academic professional activity

Since June 2015

W2- Professor “Applied Ethics in Veterinary Medicine: Humans- Animals- Nature” at the Foundation of the University of Veterinary Medicine Hanover

Since 9 May 2008

Senior Lecturer at the University of Jena

Since the
Summer semester 2004

Adjunct Professor of Philosophy at the University of Würzburg

June 2002 until
December 2005

Research associate at the Institute of Technology-Theology-Natural Sciences, Munich

June 2000 until May 2002

Feodor Lynen Fellow of the Alexander von Humboldt Foundation at the University of Zielona Góra in Poland

1992 until 1999

Staff member at the Institute of Philosophy at the University of Würzburg
Habilitation in Philosophy, doctorate in philosophy, theological diploma

Read more on www.esphm2025.org/prof-peter-kunzmann/

Abstract

The thesis can be summarised: the challenge for good animal husbandry in the present is that we have gone beyond the concept of the five freedoms in many respects. The five freedoms remain correct, of course, when it comes to keeping animals free from suffering. The corresponding ethical position, called pathocentric, focuses on the avoidance of suffering. It is the moral minimum consensus in our society and at the same time shapes animal protection legislation. In ethics, a modern view of animals attributes positive emotions to animals. Accordingly, the question arises as to how we can grant this to animals in husbandry; this is a real challenge, especially with cognitively rich animals such as pigs. Such features are difficult to implement in the reality of husbandry, difficult to scientifically establish and difficult to monitor legally. Today, the numerous ethical approaches demand what could be called “flourishing”: the animal should be able to realize all its capabilities according to its nature. In contrast to the pathocentric view, however, it is extremely difficult to draw a line here. Do we owe the animals a “permanent holiday”? Most of our interested contemporaries in modern societies demand better animal husbandry, which is more closely oriented towards the complete satisfaction of all the animals’ needs. This differs from the logic of the five freedoms in that it also takes into account needs does not immediately turn into suffering when frustrated. Theoretically and practically, it is difficult to take such interests of animals seriously without turning the ideals of good animal husbandry into utopian ideals.



Programme

WEDNESDAY

MAY 21, 2025

11.00 – 13.00

Registrations

ARENA ROOM

13.00 – 13.10

Welcome Address & Opening Ceremony, *Prof. Heiko Nathues, Dr. Dolf Kümmerlen*

13.10 – 13.30

Lecture, *Prof. Katharina Stärk*

13.30 – 15.00

Keynote Session FREEDOM FROM DISCOMFORT

Chaired by Prof. Heiko Nathues and Dr. Ursula Friedmann

“The impact of global warming on pig production/husbandry”, *Dr. David Renaudeau*

“Pigs’ perception of ambient temperatures: a sustainable approach to thermoregulation”,

Prof. Irene Camerlink

Round table discussion

15.00 – 15.30

Coffee Break and Poster Viewing

15.30 – 17.30

Parallel sessions

ARENA ROOM

HERD HEALTH MANAGEMENT & ECONOMY

Chaired by Martin Pfützner and Dr. Wikke Kuller

SZENARIO 1+2 ROOM

IMMUNOLOGY & VACCINOLOGY

Chaired by Dr. Elena Canelli and Dr. Robert Graage

17.40 – 18.40

ECPHM Annual General Meeting (Diplomates and Residents only)

18.00 – 19.15

Welcome Reception



PARALLEL SESSIONS: WEDNESDAY, MAY 21 15.30 - 17.30

ARENA ROOM

HERD HEALTH MANAGEMENT & ECONOMY

Chaired by Martin Pfützner and Dr. Wikke Kuller

SZENARIO 1+2 ROOM

IMMUNOLOGY & VACCINOLOGY

Chaired by Dr. Elena Canelli and Dr. Robert Graage

15.30-15.50

HHM-OP-01

EFFECT OF SAMPLING INTERVAL ON THE TIME-TO-DETECTION OF TRANSBOUNDARY PATHOGENS

B. Munguia-Ramirez, P. Morris, G. Trevisan, G. Silva, D. Zhang, C. Wang, R. Main, J. Zimmerman

IMM-OP-01

ORAL VACCINATION WITH A NOVEL SUBUNIT VACCINE PROTECTS PIGLETS AGAINST F18-FIMBRIATED E. COLI CHALLENGE INFECTION

H. Van Der Weken, E. Cox, B. Devriendt

15.50-16.10

HHM-OP-02

CONTRIBUTION OF AN EPIDEMIOLOGICAL AND POPULATION DYNAMICS MODEL IN UNDERSTANDING THE PERSISTENCE OF INFLUENZA A VIRUSES IN THREE PIG FARMS IN FRANCE

C. Trombani, N. Rose, C. Belloc, N. Haddad, F. Renois, C. Saegerman, G. Simon, M. Andraud

IMM-OP-02

TARGETING SWINE DYSENTERY: HETEROLOGOUS PROTECTION BY A NOVEL VACCINE

M. Garcia-Diez, C. Artigas, H. Arguello, A. Carvajal, E. Hevia, P. Rubio

16.10 - 16.30

HHM-OP-03

PRRS ERADICATION OF DANISH SOW HERDS IN THE PERIOD 2020-2024

M. Fisker Kristensen, M. Fertner, N. Weber, A. Boklund

IMM-OP-03

OEDEMA VACCINATION AS A MEANS TO IMPROVE GROWTH PERFORMANCE WHEN THE SUBCLINICAL FORM OCCURS

D. Dargorn-Kerloch, C. Ardies, R. Jordà, S. Bruguera

16.30 - 16.50

HHM-OP-04

EFFECT OF POLYMORPHISMS IN SGK1, CD163 AND TAP1 GENES ON HOST RESPONSES TO PRRSV INFECTION IN PIGS

A.M. Stoian, P. Curto, A. Pey, A. Trabal, E. Aulinas, R. Pena, L. Fraile

IMM-OP-04

DNA PRIMING AND MLV BOOSTING AGAINST PRRSV IMPROVES THE IMMUNOGENICITY OVER A SINGLE DOSE OF MLV IN THE PRESENCE OF MATERNAL ANTIBODIES

T. Chrun, K. Katta, P. Renson, G. Pinsard, S. Mahe, F. Paboeuf, E. Fossum, I. Schwartz-Cornil, O. Bourry

16.50 - 17.10

HHM-OP-05

SURVIVAL ANALYSIS OF FATTENING PIGS WITH MOVEMENT DISORDERS

J.D. Kschonek, T. Grabau, M. Hartmann, T. Winkelmann, E. Grosse Beilage, L. Kreienbrock

IMM-OP-05

RELATIONSHIP BETWEEN AUDIO-BASED RESPIRATORY HEALTH MONITORING SYSTEM AND PIG PRRSV VACCINATION STATUS: A 1-YEAR OBSERVATIONAL RETROSPECTIVE DATA BASE STUDY

M. Liang, Y. Yu, G. Wu, J. Huo, C. Ren, C. Alonso

17.10 - 17.30

HHM-OP-06

DO ALL DIARRHEIC PIGS NEED TREATMENT? OCCURRENCE OF SELF-RESOLVING DIARRHEA IN PIGS FOLLOWED FROM BIRTH TO 10 WEEKS OF AGE

M.K. Morsing, M.P. Rydal, E. Ibragimov, M. Fredholm, J.P. Nielsen

IMM-OP-06

MICROBIOTA AND IMMUNE SHIFTS IN WEANED PIGLETS SUPPLEMENTED WITH PROBIOTICS

M.Z. Akram, M. Corion, E. Arévalo Sureda, L. Comer, E. Fako, H. Zhao, N. Smeets, J. Maertens, N. Everaert

THURSDAY

MAY 22, 2025

08.30 – 10.00

ARENA ROOM

Keynote Session **FREEDOM FROM HUNGER AND THIRST, FREEDOM FROM PAIN, INJURY AND DISEASE**

Chaired by Dr. Karien Koenders and Dr. Dolf Kümmerlen

"Ensuring proper feed and water in loose-housing of pigs", Dr. Vivi Aarestrup Moustsen

"Detection and treatment of pain in diseased pigs",

Prof. Elisabeth große Beilage and Dr. Lydia Kuhnert

Round table discussion

10.00 – 10.30

Coffee Break and Poster Viewing

10.30 – 12.30

Parallel sessions

ARENA ROOM

REPRODUCTION

Chaired by Dr. Alexander Grahofer and Dr. Vroni Jeker

SZENARIO 1+2 ROOM

VIRAL DISEASES

Chaired by Prof. Andrea Ladinig and Dr. Fabienne Holenweger

12.30 – 13.30

Lunch break and Chaired Poster Session

13.30 – 15.00

ARENA ROOM

Keynote Session **FREEDOM TO EXPRESS NORMAL BEHAVIOUR**

Chaired by Prof. Eleni Tzika and Dr. Antonio Vela Bello

"Reproductive behaviour and management of parturition in free farrowing systems",
Dr. Alexander Grahofer

"Behaviour of sows and their piglets in different crated and free farrowing systems",
Prof. Inger-Lise Andersen

Round table discussion

15.00 – 16.20

Parallel sessions

ARENA ROOM

FLASH TALKS

Chaired by Dr. Carl Andreas Grøntvedt and Dr. Salome Siegenthaler

SZENARIO 1+2 ROOM

BACTERIAL DISEASES I

Chaired by Dr. Piotr Cybulski and Prof. Doris Höltig

16.20 – 16.40

Coffee Break and Poster Viewing

16.40 – 18.00

Parallel sessions

ARENA ROOM

RESIDENT SESSION

Chaired by Dr. Manon Houben and Dr. Andreas Birch

SZENARIO 1+2 ROOM

BACTERIAL DISEASES II

Chaired by Dr. Piotr Cybulski and Prof. Doris Höltig

20.00

Farewell Dinner (Ticket required)

PARALLEL SESSIONS: THURSDAY, MAY 22 10.30 - 12.30

ARENA ROOM

REPRODUCTION

Chaired by Dr. Alexander Grahofer and Dr. Vroni Jeker

SZENARIO 1+2 ROOM

VIRAL DISEASES

Chaired by Prof. Andrea Ladinig and Dr. Fabienne Holenweger

10.30-10.50

REP-OP-01

RADAR SIGNAL ANALYSIS FOR MONITORING NEST-BUILDING BEHAVIOUR OF SOWS IN A FREE FARROWING SYSTEM
L. Brun Del Re, P.T. Egli, C. Mendez Schneider, L. Witthauer, A. Grahofer

VVD-OP-01

EXPERIMENTAL AEROSOL INFECTION WITH PRRSV AND ASSESSMENT OF THE IMPACT OF FAR-UVC LIGHT ON INFECTION RISK
C. Kristensen, K. Pedersen, E. Hage Mogensen, L. K. Kvisgaard, C. Kanstrup Holm, L.E. Larsen

10.50-11.10

REP-OP-02

FACTORS INFLUENCING REPRODUCTIVE PERFORMANCE IN AUSTRIAN SOW FARMS WITH REPRODUCTIVE DISORDERS
G. Baumgartner, A. Grahofer, A. Buzanich-Ladinig, C. Unterweger

VVD-OP-02

PRRSV-1 OUTBREAK IN A FARROWING FARM CAUSED BY A VACCINE DERIVED STRAIN: A CASE REPORT
A. Lebrecht, P. Renson, M. Brissonnier, C. Chevance, V. Normand, J. Favrel, J. Da-Costa, J. Jeusselin, Y. Blanchard, O. Bourry, G. Boulbria

11.10 - 11.30

REP-OP-03

INFLUENCE OF BLOOD GLUCOSE LEVEL ON SOW TRAITS, FARROWING CHARACTERISTICS AND PIGLET VITALITY IN FREE FARROWING SOWS
L. Schulthess, P.T. Egli, L.J. Adam, A. Grahofer

VVD-OP-03

CHARACTERIZATION OF THE HIGHLY VIRULENT PORCINE REPRODUCTIVE AND RESPIRATORY SYNDROME VIRUS ROSALIA STRAIN IN PREGNANT SOWS UNDER EXPERIMENTAL CONDITIONS
P. Curto, A. Pey, A. Trabal, E. Aulinas, R. Pena, L. Fraile, A.M. Stoian

11.30 - 11.50

REP-OP-04

INFLUENCE OF THE INTRAUTERINE APPLICATION OF A PHYTOTHERAPEUTIC AGENT AND OTHER PARAMETERS ON THE UTERINE INVOLUTION OF SOWS IN A FREE FARROWING SYSTEM
L.J. Adam, P.T. Egli, L. Schulthess, G. Schüpbach-Regula, G. Hirsbrunner, A. Grahofer

VVD-OP-04

EVALUATION OF TONSIL-ORAL SCRUBBING SAMPLING METHOD TO SERUM, DEEP TRAQUEAL SWAB TO DETECT PRRSV IN FINISHERS
J. Pujadas, E. Novell, J. Palomes, G. Abella, J. Baliellas

11.50 - 12.10

REP-OP-05

ULTRASOUND ASSESSMENT OF UTERINE DIAMETER AND VESSEL SIZE IN TEMPORARILY CONFINED POSTPARTUM SOWS UNDER TROPICAL CONDITIONS
T. Akkaphan, P. Taechamaeteekul, A. Grahofer, P. Tummaruk

VVD-OP-05

SWINE ORTHOPNEUMOVIRUS DETECTED FOR THE FIRST TIME IN A PIG HERD IN SWEDEN
E. Breukers, F. Banihashem, K. Andersson, M. Leijon, R. Westin, M. Sjölund, S. Zohari

12.10 - 12.30

REP-OP-06

ESTIMATING THE INDIVIDUAL STILLBORN RATE OF SOWS USING FARROWIN® APP: A TOOL TO REDUCE STILLBORN RATE IN SWINE BREEDING HERDS
C. Teixeira-Costa, T. Nicolazo, G. Boulbria, C. Chevance, V. Normand, J. Jeusselin, A. Lebrecht

VVD-OP-06

HISTOLOGICAL LESIONS AND MOLECULAR EVIDENCE OF PORCINE CIRCOVIRUS TYPE 3 IN SKELETAL ABNORMALITIES AND HUMPY-BACK POSTURE
G. Rosato, R. Graage, J. Segales, A. Cobos, M. Sibila, F. Seehusen

CHAired POSTER SESSION: THURSDAY, MAY 22 12.30 - 13.30

EXHIBITION AREA - E-POSTER STATION n.1

BACTERIOLOGY AND BACTERIAL DISEASES

Chaired by Dr. Joaquim Segalés

BBD-CP-01

INFLUENCE OF ANTIBIOTICS ON THE SECRETION OF STX2E BY SHIGA-TOXIN-PRODUCING ESCHERICHIA COLI FIELD STRAINS FROM SWINE

S. Van Hoorde, E. Cox, D. Sperling, B. Devriendt

BBD-CP-02

PRODUCTION AND CLINICAL OUTCOMES OF THE APPLICATION OF AN AUTOGENOUS VACCINE AGAINST MYCOPLASMA HYOSYNOVIAE

H. Schwecke, A. Sponheim, E. McDowell, R. Valeris-Chacin, J. Nerem, E. Fano, S. Tousignant, M. Pieters

BBD-CP-03

VACCINATION WITH A LIVE NON-PATHOGENIC E. COLI VACCINE RESULTED IN IMPROVED PRODUCTION PERFORMANCE COMBINED WITH A SIGNIFICANT REDUCTION IN ANTIMICROBIAL USE

F. Vangroenweghe, E. Folens, M. Sinnaeve

EXHIBITION AREA - E-POSTER STATION n.1

VIRAL DISEASES

Chaired by Dr. Joaquim Segalés

VVD-CP-01

PROGRESSION OF INTERSTITIAL PNEUMONIA INDUCED BY HIGHLY VIRULENT PRRSV-1 STRAINS

J.M. Sánchez Carvajal, I.M. Rodríguez-Gómez, E.M. Mateu De Antonio, J. Gómez-Laguna, L. Carrasco

VVD-CP-02

PHYLOGEOGRAPHIC ANALYSIS OF PRRS ORF5 SEQUENCES FROM INTEGRATED AND NON-INTEGRATED PIG FARMS IN ITALY

M. Ustulin, D. Vio, C. Targhetta, G. Faustini, C. Zanon, L. Ferino, G. Franzo

VVD-CP-03

GENERATION OF CD163 AND TMPRSS2 DOUBLE-KNOCKOUT PIGS FOR ENHANCED RESILIENCE TO PRRS AND SWINE INFLUENZA USING CRISPR/CAS9 TECHNOLOGY

C. Piñeiro-Silva, A. Quintero-Moreno, M.D. Barceló, C. Matás, J. Carrillo, S. Crespo, S. Navarro-Serna, J. Romero-Aguirregomezcorra, V. Bordignon, J. Gadea

EXHIBITION AREA - E-POSTER STATION n.2

HERD HEALTH MANAGEMENT AND ECONOMY

Chaired by Dr. Dominiek Maes

HHM-CP-01

RELATIONSHIP BETWEEN PRODUCTIVITY AND PRRS HEALTH STATUS IN SOW AND GROWING PIG HERDS

N. Toft, V. Frøkjær Jensen, H. Bak, B. Lorenzen, N. Weber, K. Møller

HHM-CP-02

DIFFERENT PRRS-STRAINS OVER TIME ON DUTCH PIG FARMS: NEW INTRODUCTIONS OR CIRCULATION OF THE SAME STRAIN?

M. Schyns, N. Wertenbroek

HHM-CP-03

CORRELATION BETWEEN IMMUNOCRIT AND E.COLI ANTIBODIES LEVELS OF SUCKLING PIGLETS: A CASE REPORT

M. Jiménez, C. Llorente, R. Menjon, M. Marcos, T. Tejedor

EXHIBITION AREA - E-POSTER STATION n.2

REPRODUCTION

Chaired by Dr. Dominiek Maes

REP-CP-01

VAGINAL MICROBIOME IN POSTPARTUM AND WEANED SOWS UNDER TROPICAL CONDITIONS

T. Akkhaphan, N. Dumniem, S. Wattanaphansak, A. Grahofner 3, P. Tummaruk

REP-CP-02

EVALUATION OF COLOSTRUM INTAKE MEASURING PIGLET RECTAL TEMPERATURE WITHIN 20 TO 28 HOURS AFTER BIRTH

M. Dahbi, E. Cantaloube, T. Gin, M. Couteau, L. Gautier, F. Launay

REP-CP-03

INFLUENCE OF COLOSTRUM TRAITS ON THE FARROWING PROCESS AND REPRODUCTIVE PERFORMANCE OF SOWS IN A FREE FARROWING SYSTEM

P.T. Egli, L.J. Adam, C. Rüegg, A. Grahofner

CHAired POSTER SESSION: THURSDAY, MAY 22 12.30 - 13.30

EXHIBITION AREA - E-POSTER STATION n.3

IMMUNOLOGY AND VACCINOLOGY

Chaired by Prof. Mathias Ritzamnn

12.35 - 12.40

IMM-CP-01

EXPLORATORY USE OF SALIVARY BIOMARKERS IN PCV2 VACCINATED AND NON-VACCINATED AND SUBSEQUENTLY CHALLENGED PIGLETS

M. Sagrera, A. Muñoz-Prieto, F. Tecles, L. Garza, D. Espigares, J.J. Cerón, M. Sibila, J. Segalés

12.40 - 12.45

IMM-CP-02

CONTROLLED, BLINDED AND RANDOMISED FIELD EFFICACY, AND RETURN-ON-INVESTMENT STUDY OF A NEXT-GENERATION PORCINE REPRODUCTIVE AND RESPIRATORY SYNDROME VIRUS TYPE 2 (PRRSV2) MODIFIED LIVE VIRUS (MLV) VACCINE

P. Mortensen, N. Guerra, H. Smits

12.45 - 12.50

IMM-CP-03

IS PRRSV VACCINATION IN LACTATING SOWS AFFECTING PRODUCTIVITY?

M. Cabana, S. Lievyns, G. Saunders, L. Taylor, E. Bénère, N. Mangarova, M. Balasch

EXHIBITION AREA - E-POSTER STATION n.4

MISCELLANEOUS

Chaired by Prof. Isabel Hennig-Pauka

MIS-CP-01

RETURN ON INVESTMENT (ROI) OF INTRADERMAL LAWSONIA VACCINATION IN A COLOMBIAN FINISHING FARM

M.E. Sanchez Hernandez, S.V. Berg, M. Collell, L. Villanueva, R. Tello, S. Henao, L.G. Restrepo

MIS-CP-02

AN OUTBREAK OF DIARRHEA IN PIGLETS IN GERMANY ASSOCIATED WITH ROTAVIRUS B - DETECTED BY UNBIASED NEXT-GENERATION SEQUENCING

I. Spiekermeier, J. Buch, M. Beumer, J. Reinmold, S. Von Berg

MIS-CP-03

DIFFERENT FEEDING CURVES DURING GESTATION AFFECT SOWS' BODY COMPOSITION IN THE LONG TERM

R. Carnevale, N. Nollet, C.A.P. Garbossa, G.P.J. Janssens, S. Millet, A. Cools

EXHIBITION AREA - E-POSTER STATION n.3

VETERINARY PUBLIC HEALTH

Chaired by Prof. Mathias Ritzamnn

12.50 - 12.55

VPH-CP-01

CHLORHEXIDINE NANOPARTICLE AS A HEALTH PROMOTER DOES NOT CAUSE TOXICITY IN PIGLETS

F.A. Coelho, F.M. Dos Santos, A. Clara Rodrigues De Oliveira, H. Silveira, A.L.B. Mezzina, C. Veloso, E.H.C. Inácio, J.A.E. Martinez, N.D.A.C. Gomes, C.A.P. Garbossa

12.55 - 13.00

VPH-CP-02

DEVELOPMENT AND EVALUATION OF AN INTERACTIVE DASHBOARD FOR MONITORING ANTIMICROBIAL RESISTANCE IN AUSTRIAN PIG HERDS

F. Hamar, I. Loncaric, A. Rind

EXHIBITION AREA - E-POSTER STATION n.4

WELFARE AND NUTRITION

Chaired by Prof. Isabel Hennig-Pauka

WEL-CP-01

DIETARY PRECISION BIOTIC, A PROMISING APPROACH TO MANIPULATE UNDOCKED TAIL PIGS' BEHAVIOR VIA GUT-BRAIN AXIS

W. Ren, E. Fabrega, D. Torrellardona, R. Argamasilla, E. Perez-Calvo

WEL-CP-02

PNEUMONIA - HOW TO DECIDE BETWEEN ONGOING THERAPY OR EUTHANASIA?

K. Deters, J.D. Kschonek, M. Hartmann, L. Kreienbrock, E. Grosse Beilage

13.00 - 13.05

VPH-CP-03

IMPACT OF CHLORHEXIDINE NANOPARTICLES ON DIARRHEA INCIDENCE DURING THE POST-WEANING PHASE

C. Veloso, A.C.R.D. Oliveira, A.L.B. Mezzina, F.M.D. Santos, F.D.A. Coelho, A.Y.S.D. Carvalho, N.D.A.C. Gomes, G.L.S.D. França, J.A.E. Martinez, M.S. Monteiro, H. Silveira, C.A.P. Garbossa

WEL-CP-03

INFLUENCE OF LAWSONIA INTRACELLULARIS VACCINATION ON THE FREQUENCY AND SEVERITY OF TAIL LESIONS IN FATTENING PIGS

P. Könighoff, D. Neyer, V. Buntenkötter, R. Tabeling

PARALLEL SESSIONS: THURSDAY, MAY 22 15.00 - 16.20

ARENA ROOM

FLASH TALKS

Chaired by Dr. Carl Andreas Grøntvedt and
Dr. Salome Siegenthaler

15.00 - 15.05

Introduction

15.05 - 15.10

FTP-OP-01

PATHOGENICITY OF SHIGA TOXIN TYPE 2E (STX2E) IN PIGLETS:
A DOSE-RESPONSE CHALLENGE MODEL

D. Sperling, H. Smits, A. Diesing, E. Jeklová, H. Stepanova, P.
Prihodova, F. Kostka, P. Vodrazka, M. Faldyna

15.10 - 15.15

FTP-OP-02

CASE REPORT OF AN UNUSUAL FINDING: ACTINOBACILLUS
PLEUROPNEUMONIAE SEROTYPE 2, BIOVAR 2 IN A GERMAN
PIG FARM

I. Spiekermeier, B. Wegner, I. Hennig-Pauka

15.15 - 15.20

FTP-OP-03

USING TONGUE TIP EXUDATES TO MONITOR PORCINE
CIRCOCIRUS 2 (PCV2) AND TO ASSESS VACCINE EFFICACY IN
SOWS

B. Garcia-Morante, S. Figueras-Gourgues, R. García, F. Gonzalvo,
G. Abella, T. Coll, L. Lecznieski, E. Huerta, M. Sibila 1, J. Segalés

15.20 - 15.25

FTP-OP-04

CYTOKINE PROFILING AND IMMUNE MODULATION IN PIGS
VACCINATED WITH A SYNTHETIC RNA VACCINE AGAINST
SWINE INFLUENZA

I. Kiss, F. Deutskens, J. Hartlaub, N. Palmi, S. Pesch, G. Dauphin,
H. Smits, á. Kemény, A. Mülleber, C. Duvigneau

15.25 - 15.30

FTP-OP-05

ROTAVIRUS AND CYSTOSPORES SUI DETECTION IN
PIGLETS DURING THE SUCKLING PERIOD: A DESCRIPTIVE
STUDY IN 18 FARMS IN FRANCE

S. Brilland, A. Jardin, P. Leneveu, M. Gosselin, P. Gambade, B.
Boivent, S. Lopez, C. Nicolas, F. Bouchet

15.30 - 15.35

FTP-OP-06

HEPATIC RUPTURE IN PIGS WITH NEUROLOGICAL SIGNS: A
CASE REPORT

R.P. Pagoto

15.35 - 15.40

FTP-OP-07

ACUTE, TRANSIENT MORTALITY WITH SKIN SCALD OF
UNKNOWN CAUSE IN PIGS – A CASE SERIES

C. Scott, S. Bell, T. Floyd, A. Murphy, E. Fullick, L. Pittalis, H.
Wighton, S. Williamson

SZENARIO 1+2 ROOM

BACTERIAL DISEASES I

Chaired by Dr. Piotr Cybulski, Prof. Doris Hölting

15.00 - 15.20

BBD-OP-01

SCREENING ACTINOBACILLUS PLEUROPNEUMONIAE
SEROTYPES USING QPCR ANALYSIS OF ORAL FLUID
SAMPLES

J.L. Arnal Bernal, A.B. Fernández Ros, S. Lacouture, M. Gottschalk

15.20 - 15.40

BBD-OP-02

PREVALENCE OF VIRULENT S. SUI SEROTYPE 9 AND
ANTIBIOTIC USAGE AGAINST S. SUI IN DUTCH WEANER
PIGS

A. Dame-Korevaar, J. Van Hout, E. Van Engelen, M. Houben,
M. Olde Monnikhof, E. Willems, C. Gielen, N. Wertenbroek, M.
Bouwknegt, L. Faba, N. Stockhofe-Zurwieden, M. Vrieling

15.40 - 16.00

BBD-OP-03

THE GENETIC BASIS OF CARRIAGE OF VIRULENT
STREPTOCOCCUS SUI TYPE 9 IN WEANER PIGS

H. Laghouaouta, C. Sevilano, J. Dunkelberger, R.N. Pena, L.
Fraile, A. Dame-Korevaar, M. Vrieling

PARALLEL SESSIONS: THURSDAY, MAY 22 15.00 - 16.20

ARENA ROOM

FLASH TALKS

Chaired by Dr. Carl Andreas Grøntvedt and
Dr. Salome Siegenthaler

15.40 - 15.45

FTP-OP-08

CLASSIFICATION OF PIG VOCALIZATIONS IN A CONVENTIONAL
HOUSING SYSTEM FOR FATTENING PIGS

T.J. Nicolaisen, K. Bollmann, S. Fischer, I. Hennig-Pauka

15.45 - 15.50

FTP-OP-09

HYGIENE PROCEDURES OF TRUCKS TRANSPORTING PIGS:
SEARCHING FOR THE OPTIMAL PROTOCOL

A. Perrucci, V. Cardana, S. Zoppi, C. Cossettini, A. Rusinà, A.
Bellato, L. Tomassone, A. Cavagnini, A. Scollo

15.50 - 15.55

FTP-OP-10

HOUSING AND HEALTH MANAGEMENT OF HOBBY PIGS

H. Coppens, E. Bernaerdt, K. Sonalio, D. Maes

15.55 - 16.00

FTP-OP-11

REGULATION OF PERIWEANING BODY TEMPERATURE IS
IMPROVED IN PIGLETS GIVEN HIGHER DOSES OF INJECTABLE
IRON DEXTRAN DURING THE SUCKLING PERIOD

M. Jones, T. Petznick, E. Pratt, W. Lyons, C. Olsen

16.00 - 16.05

FTP-OP-12

SINGLE FIXED-TIME ARTIFICIAL INSEMINATION USING
VAGINAL TRIPTORELIN GEL IN SOWS POST-WEANING

S. Crespo, J. Gadea

16.05 - 16.10

FTP-OP-13

EFFECT OF ORAL MELOXICAM ADMINISTRATION TO SOWS
ON PIGLET COLOSTRUM INTAKE BASED ON IMMUNOCRIT,
BIRTH WEIGHTS, AND INFRARED THERMOGRAPHY

K. Blaschko, E. Kettelkamp, B. Payne, A. Betlach

16.10 - 16.15

FTP-OP-14

SUITABILITY OF WATER SOLUBLE FLORFENICOL CONTAINING
PRODUCTS FOR USE IN PROPORTIONERS

L. Claerhout, W. Depondt, U. Klein, P. Chen

16.15 - 16.20

Closing



PARALLEL SESSIONS: THURSDAY, MAY 22 16.40 - 18.00

ARENA ROOM

RESIDENT SESSION

Chaired by Dr. Rebecca Morgenstern and Dr. Andreas Birch

SZENARIO 1+2 ROOM

BACTERIAL DISEASES II

Chaired by Dr. Piotr Cybulski and Prof. Doris Hölting

16.40 - 17.00

RES-OP-01

RISK ASSESSMENT OF PRRSV-1 MLV VACCINE STRAINS TRANSMISSION VIA RESIDUAL PRESENCE IN INTRAMUSCULAR SYRINGES OR NEEDLE-FREE INJECTION DEVICES.

G. Boulbria, P. Renson, T. Nicolazo, C. Teixeira-Costa, N. Rose, V. Normand, J. Jeusselin, C. Chevance, O. Bourry, A. Lebre

BBD-OP-04

COMPARISON OF LUNG TISSUE CYTOKINE LEVELS IN FINISHING PIGS POST-MYCOPLASMA HYOPNEUMONIAE CHALLENGE AND TREATMENT WITH DIFFERENT ANTIBIOTIC TREATMENTS

J. Mora Franques, A. Lopez Rodriguez

17.00 - 17.20

RES-OP-02

SALMONELLA DERBY ISOLATED FROM THE INTESTINE OF POST-WEANING PIGLETS WITH NECROTIC COLITIS

P. Vougiouklakis, L. Schwarz, R. Renzhammer, A. Buzanich-Ladinig

BBD-OP-05

FREQUENCY OF DETECTION OF MYCOPLASMA HYOPNEUMONIAE AND INFLUENZA A VIRUS IN THE RESPIRATORY MUCUS OF GILTS, SOWS AND GROWING PIGS IN FRENCH CONVENTIONAL FARMS

A. Jardin, P. Leneveu, E. Lewandowski, S. Brilland, K. Lillie-Jaschniski

17.20 - 17.40

RES-OP-03

ASSESSMENT OF DIFFERENT ABATTOIR-BASED SAMPLING MATERIALS FOR INFLUENZA A VIRUS SURVEILLANCE IN PIGS

K. Jankowitsch, P. Deffner, J. Stadler, S. Zoels, K. Lillie-Jaschniski, T. Harder, R. Fux, M. Ritzmann

BBD-OP-06

CORRELATION BETWEEN LAWSONIA INTRACELLULARIS SHEDDING AND AVERAGE DAILY GAIN IN FINISHERS IN DANISH FIELD TRIAL.

S.L. Musse, S. Nikunen

17.40 - 18.00

RES-OP-04

INTESTINAL EMPHYSEMA (PNEUMATOSIS CYSTOIDES INTESTINALIS) IN BACKYARD PIGS

A. Ungur, M. Taulescu, C. Novac, C. Unterweger

BBD-OP-07

EFFICACY OF A ZINC SILLEN CORE-LINKED POLYMER IN SUPPRESSING E. COLI AND SALMONELLA PATHOGENICITY

S. Christensen, R. Murphy, K. Horgan



FRIDAY

MAY 23, 2025

08.30 – 10.00

ARENA ROOM

Keynote Session **FREEDOM FROM FEAR AND DISTRESS**

Chaired by Dr. Carl Andreas Grøntvedt and Prof. Mari Heino

“Behaviour of pigs in a comparative light”, Prof. Xavier Manteca Vilanova

“Ethical challenges towards good stockmanship”, Prof. Peter Kunzmann

Round table discussion

10.00 – 10.30

Coffee Break and Poster Viewing

10.30 – 12.30

Parallel sessions

ARENA ROOM

WELFARE & NUTRITION

Chaired by Martin Pfützner and Dr. Elena Canelli

SZENARIO 1+2 ROOM

VETERINARY PUBLIC HEALTH

Chaired by Dr. Patricia Scheer and Dr. Andrea Luppi

12.30 – 13.00

Closing Ceremony / ESPHM 2026 in Florence



PARALLEL SESSIONS: FRIDAY, MAY 23 10.30 - 12.30

ARENA ROOM

WELFARE & NUTRITION

Chaired by Martin Pfützner and Dr. Elena Canelli

SZENARIO 1+2 ROOM

VETERINARY PUBLIC HEALTH

Chaired by Dr. Patricia Scheer and Dr. Andrea Luppi

10.30-10.50

WEL-OP-01

INFLUENCE OF 25-HYDROXIVITAMIN D3 SUPPLEMENTATION ON THE PERFORMANCE AND NUTRIENTS DIGESTIBILITY OF GROWING-FINISHING PIGS FED WITH DIFFERENT CALCIUM-PHOSPHORUS RATIO AND PHYTASE

F.M. Santos, C.C.S. Martins, E. Perez-Calvo, C.A. Lozano-Poveda, E. Lanferdini, C. Orso, A.V.H.S.M. Escaler, C.A.P. Garbossa

VPH-OP-01

DISTRIBUTION AND POTENTIAL GENETIC DETERMINANTS OF ANTIMICROBIAL RESISTANCE OF STREPTOCOCCUS SUI IN NORTH AMERICA, LATIN AMERICA, AND EUROPE FROM 2014 TO 2024.

R. Rupasinghe, R. Mugabi, G. Li, R. Robbins, P. Harms, M.J. Clavijo, B. Martínez-López

10.50-11.10

WEL-OP-02

THE WELFARE AND HAIR CORTISOL CONCENTRATION OF PIGS IN MIXED ORGANIC FARMS

E. Nadlučnik, T. Vake, A. šket, A. žižek, T. Snoj, M. štukelj

VPH-OP-02

ANALYSIS OF ANTIMICROBIAL USE IN SWISS FINISHER PIGS DEPENDING ON THE HOUSED ANIMAL SPECIES ON THE FARM

L. Fleischer, J. Becker, D. Kümmerten

11.10 - 11.30

WEL-OP-03

DESCRIPTIVE ANALYSIS OF HAIR CORTISOL CONCENTRATION FROM BIRTH TO SLAUGHTER IN ORGANIC PIG FARMS

C. Belloc, M. Remond, B. Morel, A. Bourasseau, P. Levallois, V. Muller, A. Lehebel, A. Jahoui, S. Gavaud, J. Lion, B. Lieubeau, J. Herve, M. Leblanc Maridor

VPH-OP-03

INTEGRATING BEHAVIOURAL SCIENCE AND EPIDEMIOLOGY TO OPTIMIZE EARLY DETECTION OF ZONOTIC SWINE INFLUENZA IN THE NETHERLANDS

J. Fraser, E. Pacholewicz, P. Hobbelen, T. Hagenaars, L. Peeters, R. Bergevoet, M. Counotte

11.30 - 11.50

WEL-OP-04

PIG DIETS WITH FORMER FOOD PRODUCTS: PREFERENCE, WELFARE, BEHAVIOUR, (INTESTINAL) HEALTH AND PERFORMANCE

F. Veldkamp, H. Vermeer, J. Kater, A. Rebel, I. De Jong

VPH-OP-04

PRRSV ERADICATION IN THE NETHERLANDS; RESULTS OF THE NATIONAL FORERUNNER PROJECT 2022-2024

T. Tobias, H. Kreuzmann, N. Fabri, F. Herder, G. Van Schaik, P. Wever, E. Willems

11.50 - 12.10

WEL-OP-05

MANDATORY VETERINARY AUDITS IMPROVES WELFARE FOR NORWEGIAN PIGS

S. Naadland, E. Eriksen, B. Ranheim

VPH-OP-05

IMPACT OF MYCOPLASMA HYOPNEUMONIAE INFECTION ON KEY PERFORMANCE METRICS OF SWINE PRODUCTION SUSTAINABILITY

S. Krebs, C. Ramirez-Camba, M. Schwartz, P. Urriola, M. Pieters

12.10 - 12.30

WEL-OP-06

BEHAVIOUR OF LACTATING PIGLETS AND SOWS LEADING TO CRUSHING EVENTS IN OPEN CRATES

M.C. Galli, F. Menegon, A. Puggioni, L. Leone, E. Ferrari, H. Gan, G. Di Martino, I. Borello, T. Norton, A. Scollo

VPH-OP-06

MOLECULAR DETECTION AND CHARACTERIZATION OF THE CILIATED PROTOZOAN BALANTIOIDES COLI AND THE MICROSPORIDIAN SPECIES ENTEROCYTOZON BIENEUSI IN PIGS RAISED IN ITALY

C. Allievi, L. Villa, F. Ponce-Gordo, A. Cafiso, S. Sechi, M. Valleri, M.T. Manfredi



Social programme

SOCIAL PROGRAMME

WELCOME RECEPTION



Wednesday, May 21
H. 18.00 - 19.15



Kursaal, Forum

Included in the registration fee



SOCIAL PROGRAMME

FAREWELL DINNER



Thursday, May 22
H. 20.00 - 23.00



Kornhauskeller, Bern

Ticket required





General information

GENERAL INFORMATION



Conference Venue and Attendance

Kursaal Bern
Kornhausstrasse 3 - 3013, Bern



A name badge will be required to access the Symposium areas. Participants will receive it when they check in at the registration desk. It must be worn at all times.



The official language of the Symposium is English.



The WiFi access is free for all attendees and accessible in all the venue area.



Certificates of attendance will be sent to the attendees via e-mail, after the Symposium.



Registration desk opening hours

Kursaal, Congress Centre, Forum

Wednesday, May 21: 11.00 – 18.00

Thursday, May 22: 8.00 – 18.00

Friday, May 23: 8.00 – 13.00

Please go to the registration desk upon arrival to collect your badge.



Cloakroom opening hours

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Wednesday, May 21: 11.00 – 19.30

Thursday, May 22: 8.00 – 18.30

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Please notify the photographer if you do not want to be photographed.



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Return the plastic folder of your badge and the bag: we will recycle them!



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Use **alternative** means of transportation during your stay: shuttle bus, taxi-sharing, bicycles and, why not, pleasant walks!



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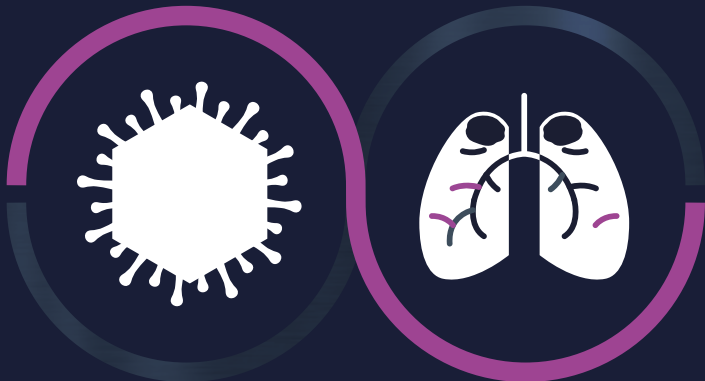
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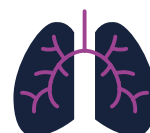
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* Based on the comparison of the homology of the epitopes using the EpiVax-methodology. Comparison to PCV2a based vaccines.

¹: Tierärztliche Umschau Impfstoffe & Sera, Ausgabe 2024, Seite 39. ²: Foss et al. (2023): Comparison of predicted T cell epitopes in porcine circovirus type 2 isolates from 2017 to 2021 and selected vaccines (EpiCC analysis) confirms the global relevance of a bivalent vaccine approach. Veterinary Vaccine Vol 2 Issue 2 2023.

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