DETAILED PROGRAMME

11.00h  REGISTRATION & POSTERS DISPLAY

13.00h - 13.30h  WELCOME & OPENING

AUDITORIUM

Welcome note
Joaquim Segalés

Pork production in Spain
Miguel Angel Higuera

13.30h - 15.00h  KEYNOTE ADDRESS: RETURN OF INVESTMENT

AUDITORIUM

Where is the money?
Chairs: Rick Janssen, Heiko Nathues

What are the costs of pig diseases in the field?
Josep Font

Economic efficiency on Animal Health interventions
Derald Holtkamp

Round table discussion

15.00h - 15.30h  COFFEE BREAK & POSTER VIEWING

15.30h - 17.30h  SESSION: HERD HEALTH MANAGEMENT & ECONOMY

AUDITORIUM

Chairs: Mari Heinonen, Thomas Blaha

HHM-OP-01
SWINE HEALTH SYNDROMIC SURVEILLANCE BASED ON CLINICAL SIGNS AND PRESUMPTIVE DIAGNOSIS DATA REPORTED AT FARM LEVEL
A. Alba Casals ¹, E. Allue ², E. Novell ², J. Balielles ³, V. Tarancon ², L. Fraile ⁴.
¹ VetEpiMon, Ripoll, Spain; ² GSP, Lleida, Spain; ³ Interporc, Lleida, Spain; ⁴ University of Lleida, Lleida, Spain.

HHM-OP-02
DEVELOPING SAMPLING GUIDELINES FOR ORAL FLUID BASED PRRSV SURVEILLANCE
M. Rotolo ¹, L. Gimenez-Lirola ¹, Y. Sun ¹, S. Bade ¹, C. Wang ¹, D. Baum ¹, P. Gauger ¹, M. Hoogland ², R. Main ¹, J. Zimmerman ¹.
¹ Iowa State University, Ames, United States; ² Smithfield foods, Algona, United States.
HHM-OP-03
B-ESecure: Eлектronic System to Measure and Improve Biosecurity on Pig Farms
V. Geurts 1, I. Díaz 2, M. Collell-Surinach 3.
1 MSD-AH Intervet The Netherlands BV, Boxmeer, Netherlands; 2 PigChamp Pro Europa, Segovia, Spain; 3 MSD-AH International, Madison, United States.

HHM-OP-04
Early Detection of Clinical Respiratory Disease in Growing Pigs Using Continuous Sound Monitoring and an Algorithm-Based Respiratory Distress Index
D. Polson 1, S. Playter 1, D. Berckmans 2, A. Stoffel 2, B. Quinn 3.
1 Boehringer Ingelheim Animal Health, Ames, Iowa, United States; 2 SoundTalks NV, Leuven, Belgium; 3 Boehringer Ingelheim Animal Health, Ingelheim, Germany.

HHM-OP-05
Congenital Tremor-Atypical Porcine Pestivirus (CT APPV) Outbreak in a Multiplying Farm: Estimation of the Effect on Performance and Economics
V. Geurts 1, A. Cruijsen 1, A. de Groof 2, A. Klemans 3.
1 MSD-AH Intervet Nederland BV, Boxmeer, Netherlands; 2 MSD-AH Intervet International BV, Boxmeer, Netherlands; 3 ABAB Accountants & Adviseurs, Helmond, Netherlands.

HHM-OP-06
Biological Markers Associated with Robustness of Piglets at Weaning
1 INRA PEGASE, Saint Gilles, France; 2 INRA GENEPHYSE, Castanet Tolosan, France; 3 INRA IECM, Nantes, France; 4 INRA BIOEPAR, Nantes, France; 5 COOPERL, Lamballe, France; 6 HYOVET, Plestan, France.

RESIDENT SESSION
ROOM HJ

RES-OP-01
Dietary Supplementation with Tall Oil Fatty Acid and Resin Acid Increases Sow Colostrum IgG and Piglets’ Colostrum Intake in Free Farrowing Pen
S. Hasan 1, S. Saha 2, J. Yun 1, O. Peltoniemi 1, C. Oliviero 1.
1 University of Helsinki, Department of Production Animal Medicine, Helsinki, Finland; 2 University of Helsinki, Department of Agricultural Sciences, Helsinki, Finland.
RES-OP-02

OCCURRENCE OF DYSENTERY-LIKE DIARRHEA ASSOCIATED WITH BRACHYSPIRA SUANATINA INFECTION IN A GERMAN FATTENING FARM


1 Clinic for Swine, Centre for Clinical Veterinary Medicine, LMU Munich, Germany; 2 Institute for Microbiology, University of Veterinary Medicine, Foundation, Hannover, Germany; 3 Institute of Veterinary Pathology, Centre for Clinical Veterinary Medicine, LMU Munich, Germany; 4 Clinic for Swine, Centre for Clinical Veterinary Medicine, LMU Munich, Germany; 5 Iowa State University Veterinary Diagnostic Laboratory, United States.

RES-OP-03

CYTOKINE PROFILES IN PERIPHERAL BLOOD MONONUCLEAR CELLS OF PIGLETS BORN FROM PORCINE CIRCOVIRUS 2 VACCINATED AND NON-VACCINATED SOWS


1 CReSA-IRTA and Ceva, Barcelona, Spain; 2 CReSA-IRTA and UAB, Bellaterra, Spain; 3 CReSA-IRTA, Bellaterra, Spain.

RES-OP-04

VIRAL AND BACTERIAL INVESTIGATIONS OF RECURRENT PIG NEONATAL DIARRHEA CASES IN SPAIN

S. Mesonero Escuredo 1, K. Strutzberg-Minder 2, C. Casanovas Granell 1, J. Segalés 3.

1 IDT Biologika, Barcelona, Spain; 2 2IVD Innovative Veterinary Diagnostics (IVD GmbH), Seelze, Germany; 3 Departament de Sanitat i Anatomia Animals, Universitat Autònoma de Barcelona (UAB). UAB, Centre de Recerca en Sanitat Animal (CReSA, IRTA-UAB), Barcelona, Spain.

RES-OP-05

INCREASE IN IRREGULAR RETURN TO ESTRUS RATE IN SOWS AND SEVERE CONJUNCTIVITIS IN FATTENERS CAUSED BY CHLAMYDIA SUIS – A CASE REPORT


1 University Clinics for Swine, Vetmeduni Vienna, Vienna, Austria; 2 Institute of microbiology, Vetmeduni Vienna, Vienna, Austria; 3 Medical University Vienna, Vienna, Austria.
RES-OP-06
FIRST STEP TO INCREASE SWINE FARMERS’ TRUST IN THEIR VETERINARIANS: DEVELOPMENT OF THE TRUST IN VETERINARIAN SCALE (TIVS)
Center BIOEPAR, INRA, Oniris, La Chantrerie, 44307, Nantes, France.

17.40h - 18.40h
ECPHM ANNUAL GENERAL MEETING
ROOM HJ
Diplomates & Residents only

18.00h - 19.30h
WELCOME RECEPTION
AUDITORIUM
Welcome Drink: Rey Juan Carlos I hotel Gardens-Swimming Pool
08:00h  Registration Desk opens
08:00-09:00h  Breakfast by courtesy of Exhibition Area, BIOMIN Booth.

8.30h - 10.00h  KEYNOTE ADDRESS: AFRICAN SWINE FEVER
**ASF in domestic pigs and wild boar: two parallel worlds**
**Chairs:** Mariano Domingo, Alex Eggen

*Is ASF a human driven disease?*
Klaus Depner

*Where is the vaccine against ASF and what else can we do?*
Fernando Rodríguez

Round table discussion

10.00h - 10.30h  COFFEE BREAK & POSTER VIEWING

10.30h - 12.30h  SESSION: VIRAL DISEASES
**Chairs:** Joaquim Segalés, Marco Terreni

**VVD-OP-01**
CHANGES IN THE EXPRESSION OF CD163 IN PORCINE ALVEOLAR MACROPHAGES AND ASSOCIATED LESIONS IN PIGS EXPERIMENTALLY INFECTED WITH PRRSV-1 STRAINS OF DIFFERING VIRULENCE

1 University of Cordoba, Cordoba, Spain; 2 University of Murcia, Murcia, Spain; 3 CRESA-IRTA, Bellaterra, Spain; 4 Autonomous University of Barcelona, Bellaterra, Spain.

**VVD-OP-02**
COMPARISON OF 3 DIFFERENT TYPES OF SAMPLES TO DETECT TYPE 1 PRRS VIRUS ON PRE-WEANING PIGLETS IN AN ENDEMIC POSITIVE HERD AND PRACTICAL IMPLICATIONS

*Selarl Porc. Spective, Noyal Pontivy, France.*
VVD-OP-03
EVALUATION OF THE SURVIVAL OF VIRAL PATHOGENS IN CONTAMINATED FEED INGREDIENTS USING TRANSBOUNDARY SHIPMENT MODELS
1 Pipestone Veterinary Services, Pipestone, United States; 2 South Dakota State University, Brookings, United States; 3 Kansas State University, Manhattan, United States; 4 Lincoln Memorial University, Harrogate, United States; 5 Iowa State University, Ames, United States; 6 Swine Health Information Center, Ames, United States.

VVD-OP-04
SURVEILLANCE OF SWINE INFLUENZA VIRUSES (SIV) IN EUROPE 2015-2017-AN UPDATE-
D. Henritzi 1, S. Wacheck 2, M. Beer 1, T.C. Harder 1.
1 Institute of Diagnostic Virology, Friedrich-Loeffler-Institute, Federal Research Institute for Animal Health, Greifswald – Isle of Riems, Germany; 2 DT Biologika GmbH, Dessau, Germany.

VVD-OP-05
SYRINGES PRRS MLV PCR POSITIVE UP TO 3 WEEKS AFTER USE FOR VACCINATION
G. Hagen, Van 1, M. Steenaert 2.
1 De Oosthof, Neede, Netherlands; 2 Boehringer Ingelheim AH Netherlands, Alkmaar, Netherlands.

VVD-OP-06
NEW STRATEGIES FOR SAMPLING PIGLETS
University of Minnesota, Saint Paul, United States.

10.30h - 12.30h
SESSION: VETERINARY PUBLIC HEALTH
ROOM HJ
Chairs: Carl Andreas Grontvedt, Isabel Hennig-Pauka

VPH-OP-01
CIPARS – 15 YEARS OF ANTIMICROBIAL RESISTANCE AND ANTIMICROBIAL USE SURVEILLANCE IN PIGS ALONG THE FOOD CHAIN
A. Deckert 1, S. Gow 2, D. Léger 1, A. Agunos 1, C. Carson 1, R. Reid Smith 1.
1 Public Health Agency of Canada, Guelph, Canada; 2 Public Health Agency of Canada, Saskatoon, Canada.
VPH-OP-02
INFLUENCE OF DIFFERENT VACCINATION STRATEGIES AGAINST SALMONELLA TYPHIMURIUM IN PIG FARMS ON EXCRETION AND SEROLOGY AT SLAUGHTER AGE
1 Ghent University, Faculty of Veterinary Medicine, Department of Reproduction, Obstetrics and Herd Health, Merelbeke, Belgium; 2 Ghent University, Faculty of Veterinary Medicine, Department of Pathology, Bacteriology and Avian Diseases, Merelbeke, Belgium; 3 Animal Health Care Flanders (DGZ), Lier, Belgium; 4 Flanders research institute for Agriculture, Fisheries and Food (ILVO), Melle, Belgium; 5 CODA-CERVA, Brussel, Belgium.

VPH-OP-03
PRESENCE OF HEPATITIS E VIRUS IN SERUM AND MUSCLE OF EXPERIMENTALLY HEV/PPRSV CO-INFECTED PIGS
M. Salines 1, A. Demange 2, G. Stephant 2, P. Renson 1, O. Bourry 1, M. Andraud 1, N. Rose 1, N. Pavio 2.
1 ANSES, French Agency for Food, Environmental and Occupational Health & Safety, Ploufragan/Plouzané Laboratory, Ploufragan, France; 2 UMR 1161 Virology, ANSES/INRA/ENVA, Maisons-Alfort, France.

VPH-OP-04
INFLUENCE OF GNRH-VACCINATION IN COMBINATION WITH PUFA REDUCED FEEDING ON BEHAVIOR, BOAR TAINT AND CARCASS QUALITY
S. Reiter 1, S. Zöls 1, H. Schrade 2, A. Bauer 3, C. Weiβ 1, M. Ritzmann 1.
1 Clinic for Swine, LMU Munich, Munich, Germany; 2 LSZ Boxberg, Boxberg, Germany; 3 Max-Rubner-Institute, Kulmbach, Germany.

VPH-OP-05
ULTRAVIOLET-C INACTIVATION OF PORCINE PARVOVIRUS (PPV), SWINE VESICULAR DISEASE VIRUS (SVDV) AND SENECAVIRUS A (SVA) IN LIQUID PLASMA
E. Blázquez 1, J. Ródenas 1, C. Rodríguez 1, J. Segalés 2, J. Pujols 2, J. Polo 1.
1 APC EUROPE, Barcelona, Spain; 2 IRTA CRESA, Barcelona, Spain.
VPH-OP-06
EVALUATION OF THE EFFICACY OF THREE PROBIOTIC FEED ADDITIVES TO REDUCE SALMONELLA TYPHIMURIUM INFECTION IN EXPERIMENTALLY CHALLENGED PIGLETS
L. Peeters 1, L. Mostin 2, P. Wattiau 2, F. Boyen 3, J. Dewulf 1, D. Maes 1.
1 Ghent University, Faculty of Veterinary Medicine, Department of Reproduction, Obstetrics and Herd Health, Merelbeke, Belgium; 2 CODA CERVA, Experimental Centre and Laboratory of Veterinary Bacteriology, Brussel, Belgium; 3 Ghent University, Faculty of Veterinary Medicine, Department of Pathology, Bacteriology and Avian Diseases, Merelbeke, Belgium.

12.30h - 13.30h       LUNCH BREAK & POSTERS VIEWING

13.30h - 15.00h       KEYNOTE ADDRESS: BIOSECURITY
AUDITORIUM

From theory to practice
Chairs: Enric Mateu, Tijs Tobias

How to assess biosecurity on-farm?
Dominiek Maes

Implementation of biosecurity in the pig industry: Social and institutional factors
Marta Hernández-Jover

Round table discussion

15.00h - 15.20h       EAPHM, PETER HOGEDAL AWARD & JPHM PRESENTATION
AUDITORIUM

15.20h - 16.20h       SESSION: BACTERIAL DISEASES
AUDITORIUM

BBD-OP-01
WHAT HAPPENS WHEN M.HYOPNEUMONIAE ENTERS A HERD? LONGITUDINAL ASSESSMENT OF M.HYOPNEUMONIAE NATURAL INFECTION IN GILTS
C. Johnson 1, A. Farkas 1, J.P. Cano 2, M.J. Clavijo 2.
1 Carthage Veterinary Service, Carthage, United States; 2 Pig Improvement Company, Hendersonville, TN, United States.
BBD-OP-02
STREPTOCOCCUS Suis (S. Suis) ANTIMICROBIAL RESISTANCE (AMR) GENOTYPE AND PHENOTYPE CORRELATION, AND GENOMIC SIGNATURES SUGGESTING LINKAGE OF AMR GENES
J. Hernández-García 1, N. Hadjirin 1, E. Miller 1, O. Restiff 1, R. Zhou 2, N. Fittipaldi 3, M. Gottschalk 4, A.W. (Dan) Tucker 1, L. Weinert 1.
1 Department of Veterinary Medicine, University of Cambridge, Cambridge, United Kingdom; 2 International Research Center for Animal Diseases, College of Veterinary Medicine, Wuhan, China; 3 Public Health Ontario Laboratories, University of Toronto, Toronto, Canada; 4 Faculté de médecine vétérinaire, Université de Montreal, St-Hyacinthe, Canada.

BBD-OP-03
PREVALENCE OF ANTIBODIES TO ACTINOBACILLUS PLEUROPNEUMONIAE IN MULTIPLYING HERDS IN SWEDEN
P. Wallgren 1, B. Molander 2, M. Persson 1, M. Sjölund 1, K. Karlsson 3.
1 National Veterinary Institute, SVA, 751 89 Uppsala, Sweden; 2 Farm & Animal Health, Staffanstorp, Sweden; 3 Farm & Animal Health, Falkenberg, Sweden.

SESSION: WELFARE & NUTRTION
ROOM HJ

AWN-OP-01
EFFECT OF TRACHEOBRONCHIAL-SWABBING AND OTHER DIAGNOSTIC TOOLS ON THE ENDOCRINE STRESS RESPONSE OF PIGS
C. Weiß, L. Beffort, C. Renken, S. Froehlich, S. Zoels, M. Ritzmann. Clinic for Swine, Centre for Clinical Veterinary Medicine, LMU Munich, Oberschleissheim, Germany.

AWN-OP-02
EFFECT OF ZINC OXIDE AND CHLORTETRACYCLINE ON ANTIBIOTIC RESISTANCE DEVELOPMENT IN WEANED PIGLET
A. Romeo 1, R. Forier 1, S. Durosoy 1, W. Vahjen 2, J. Zentek 2.
1 Animine, Sillingy, France; 2 Freie Universität Berlin, Berlin, Germany.

AWN-OP-03
REVEALING THE UNSEEN: SEVERE GASTRIC ULCERATION PROBLEMS SOLVED BY USE OF 24 H CAMERA SURVEILLANCE
W. Kuller 1, B. Kolpa 2, G. Van Hagen 2, T. Verbrugge 2.
1 Wikke, Vleuten, Netherlands; 2 Gelre Dierenartsen, Lichthoven, Netherlands.

15.20h - 16.20h
COFFEE BREAK & POSTER VIEWING

16.20h - 16.40h
SESSION: BACTERIAL DISEASES II
Chairs: Marina Sibila, Thomas Würth

BBD-OP-04
ASSOCIATION BETWEEN MYCOPLASMA HYOPNEUMONIAE DETECTION IN LARYNGEAL SWABS AND LUNG LESIONS UNDER EXPERIMENTAL CONDITIONS
B. García Morante 1, S. Bubendorfer 1, R. León Kempis 1, G. Schagemann 2, D. Reddick 3, K. Brase 1.
1 Boehringer Ingelheim Veterinary Research Center, Hannover, Germany; 2 Boehringer Ingelheim Vetmedica GmbH, Ingelheim, Germany; 3 Moredun Scientific, Midlothian, United Kingdom.

BBD-OP-05
DEVELOPMENT OF A QPCR-SEROTYPING SYSTEM FOR ACTINOBACILLUS PLEUROPNEUMONIAE
J.L. Arnal 1, M. Gottschalk 2, A. Fernández 1, A. Benito 1, G. Chacón 1.
1 Exopol, Zaragoza, Spain; 2 University of Montreal, Saint-Hyacinthe, Canada.

BBD-OP-06
PASSIVE SURVEILLANCE OF LEPTOSPIRA INFECTION IN SWINE IN GERMANY
K. Strutzberg-Minder 1, A. Tschentscher 1, M. Beyerbach 2, M. Homuth 1, L. Kreienbrock 2.
1 IVD Innovative Veterinary Diagnostics (IVD GmbH), Seelze, Germany; 2 Institute for Biometry, Epidemiology and Information Processing, University of Veterinary Medicine Hannover, Foundation, Hannover, Germany.

BBD-OP-07
ROLE OF SIALIC ACID IN BRACHYSPIRA HYODYSENTERIAE ADHESION TO PORCINE COLONIC MUCUS
1 Institute of Biomedicine, Sahlgrenska Academy, University of Gothenburg, Gothenburg, Sweden; 2 Institute of Biomedicine, Sahlgrenska Academy, University of Gothenburg, Gothenburg, Sweden; 3 Department of Pathology, Bacteriology and Avian Diseases, Ghent University, Merelbeke, Belgium; 4 Dept. of Pathology, Bacteriology and Avian Diseases, Ghent University, Merelbeke, Belgium.
16.40h - 18.00h

SESSION: MISCELLANEOUS

Chairs: Johannes Kauffold, Leo van Leengoed

MIS-OP-01
GENE MARKERS FOR THE RESISTANCE TO PORCINE PLEUROPNEUMONIA (PLEURORES)
F. Nietfeld ¹, D. Hoeltig ², H. Willems ¹, R. Fries ³, C. Wurmser ³, P. Valentin-Weigand ⁴, K.H. Waldmann ², G. Reiner ¹.
¹ Clinic for Swine, Justus-Liebig-University, Giessen, Germany; ² Clinic for Swine and Small Ruminants, Forensic Medicine and Ambulatory Service, University of Veterinary Medicine Foundation, Hannover, Germany; ³ Institute for Animal Breeding, Technical University, Munich, Germany; ⁴ Institute for Veterinary Microbiology, University of Veterinary Medicine Foundation, Hannover, Germany.

MIS-OP-02
MINIMAL MYCOPLASMA HYOPNEUMONIAE GENETIC VARIABILITY WITHIN PRODUCTION FLOWS
E. Fano ¹, A. Anderson ², A. Sponheim ¹, L. Dalquist ³, M. Pieters ².
¹ Boehringer Ingelheim Vetmedica, Duluth, United States; ² University of Minnesota, St. Paul, United States; ³ Swine Vet Center, St. Peter, United States.

MIS-OP-03
EQUIVALENCE BETWEEN FTA-FIXED AND LIQUID ORAL FLUID OF PIGS FOR THE CONFIRMATION OF INFECTION BY VEROTOXIGENIC ESCHERICHIA COLI (EDEMA DISEASE) IN PIGS
L. Valls, A. Sánchez, J. Maldonado.
Hipra, Amer (Girona), Spain.

MIS-OP-04
THE USEFULNESS OF SPES SCORE TO SCREEN FOR ACTINOBACILLUS PLEUROPNEUMONIAE INFECTIONS IN ENDEMICALLY INFECTED PIG HERDS
R. del Pozo Sacristán, B. Janssens, H. Segers, J. Beek.
MSD Animal Health Belgium, Brussel, Belgium.

18.10h -19.10h

EAPHM ANNUAL GENERAL MEETING

Open for all interested delegates!

20.00h
Symposium Farewell Dinner
Barcelona Maritime Museum (Reials Drassanes)
TICKET NEEDED
08:15h  Registration Desk opens

08:15-09:15h  Breakfast by courtesy of Exhibition Area, BIOMIN Booth.

8.40h - 10.00h  KEYNOTE ADDRESS: LARGE LITTERS
Do we know how to manage them properly?
Chairs: Guadagnini Giovanbattista, Manon Houben

Managing large litters
Emma Baxter

How to deal with diseases in large litters?
Enric Marco

Round table discussion

10.00h - 10.30h  COFFEE BREAK & POSTERS VIEWING

10.30h - 12.30h  SESSION: IMMUNOLOGY & VACCINOLOGY
Chairs: Paolo Martelli, Nicolas Rose

IMM-OP-01
A RECOMBINATION BETWEEN TWO GENOTYPE 1 PRRSV MODIFIED LIVE VACCINES RESULTS IN A FIELD STRAIN WITH INCREASED VIRULENCE
J. Eclercy, P. Renson, F. Paboeuf, N. Rose, O. Bourry.
Anses, Ploufragan, France.

IMM-OP-02
NOVEL INFLUENZA VACCINE EFFICACY AND SAFETY ESTABLISHED FOR NEWBORN PIGS
T. Kaiser ¹, R. Smiley ¹, B. Fergen ¹, M. Eichmeyer ¹, W. Johnson ¹, M. Genzow ², C. Goodell ¹.
¹ Boehringer Ingelheim Vetmedica, Duluth, United States; ² Boehringer Ingelheim Vetmedica GmbH, Ingelheim, Germany.

IMM-OP-03
MATERNALLY DERIVED ANTIBODIES REDUCE VACCINE EFFICACY AGAINST PORCINE REPRODUCTIVE AND RESPIRATORY SYNDROME
Anses, Ploufragan, France.
**IMM-OP-04**
MATERNALLY DERIVED IMMUNITY IN PIGS. EXPLORING ITS MANAGEMENT THROUGH THE IMMUNOCRIT ASSAY
A. Sánchez-Matamoros 1, M. Baratelli 1, I. Bernal 1, V. Enrique Tarancón 2, J. Balielles 2, E. Novell 2, L. Fraile 3.
1 HIPRA, Amer (Girona), Spain; 2 Grup Sanejament Porcí, Lleida, Spain; 3 Universita de Lleida, Lleida, Spain.

**IMM-OP-05**
VACCINATION OF 1 DAY-OLD PIGS WITH A PORCINE REPRODUCTIVE AND RESPIRATORY SYNDROME VIRUS (PRRSV) MODIFIED LIVE ATTENUATED VACCINE IS ABLE TO OVERCOME MATERNAL IMMUNITY
M. Fort 1, M. Balasch 1, L. Taylor 2, J. Calvert 2.
1 Zoetis Manufacturing&Research Spain S.L., Vall de Bianya, Spain; 2 Zoetis Inc., Kalamazoo, United States.

**IMM-OP-06**
EFFICACY OF AN AUTOGENOUS VACCINE AGAINST BRACHYSPIRA HYODYSENTERIAE
W. Neirynck 1, K. Vansteenkiste 1, F. Boyen 1, J. Dewulf 1, M. Mahu 1, F. Haesebrouck 1, T. Vandersmissen 2, D. Maes 1.
1 Faculty of Vet. Med., Ghent University, Belgium; 2 DGZ Vlaanderen, Labo Torhout, Belgium.

**SESSION: REPRODUCTION**
**ROOM HJ**

**REP-OP-01**
IMPACT OF RUNTING ON COLOSTRUM INTAKE, SURVIVAL CHANCES AND DEVELOPMENT
J. Jourquin 1, J. Morales 2.
1 Elanco, Antwerp, Belgium; 2 Pigchamp pro Europa, Segovia, Spain.

**REP-OP-02**
IMPACT OF OESTRUS SUPPRESSION IN CARCASS QUALITY OF GILTS INTENDED FOR TERUEL DRY-CURED HAM PRODUCTION
L. Pérez Ciria 1, G. Carcò 2, F.J. Miana Mena 1, O. Mitjana 1, M.V. Falceto 1, J.I. Abadias 2, M.A. Latorre Górriz 1.
1 Universidad de Zaragoza, Zaragoza, Spain; 2 University of Padua, Padua, Italy; 3 Zoetis, Huesca, Spain.
**REP-OP-03**

VULVAR DISCHARGE SYNDROME IN SOWS AFTER ARTIFICIAL INSEMINATION

A. Grahofer, H. Nathues.

*Clinic for Swine, Vetsuisse Faculty, University of Bern, Switzerland, Bern, Switzerland.*

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**REP-OP-04**

SEVERE UDDER EDEMA AS A CAUSE OF REDUCED COLOSTRUM QUALITY AND MILK PRODUCTION IN SOWS – A CASE REPORT

S. Björkman, A. Grahofer, T. Han, C. Oliviero, O. Peltoniemi.

1 University of Helsinki, Faculty of Veterinary Medicine, Department of Production Animal Medicine, Saarentaus, Finland; 2 Clinic for Swine, Vetsuisse Faculty, University of Bern, Bern, Switzerland.

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**REP-OP-05**

BACTERIURIA IN SOWS IS ASSOCIATED WITH AN INCREASED RISK OF STILLBIRTHS

L. Tolstrup, K.S. Pedersen, J.P. Nielsen.

1 SEGES, The Danish Agriculture and Food Council, Copenhagen, Denmark; 2 Ø-vet A/S, Naestved, Denmark; 3 University of Copenhagen, Copenhagen, Denmark.

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**REP-OP-06**

A COMPARISON OF DIFFERENT FARROWING SYSTEMS WITH REGARD TO THE COLOSTRUM SUPPLY OF PIGLETS

S. Schnier, L. Middendorf, C. Visscher.

*Institute for Animal Nutrition, University of Veterinary Medicine Hannover, Hannover, Germany.*

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**12.30h - 13.00h**

**CLOSING CEREMONY / ESPHM 2019 IN UTRECHT**

**AUDITORIUM**