



ASFORCE

TARGETED RESEARCH EFFORT ON AFRICAN SWINE FEVER (ASF)

TRAINING WORKSHOP

SPAIN

Date: 14– 16 April 2013 (Sunday-Tuesday)

Venue: Universidad Complutense de Madrid

Room: Sala de Juntas (located at the second floor of the main building)



www.ASFORCE.ORG
Project “Targeted research effort on African Swine Fever”
Funded by EU FP7, Grant agreement 311 932



Learning Objectives

By the end of the workshop, invited veterinarians are expected to:

- a) Be able to recognize a possible ASF case;
- b) Understand transmission routes and pathogenesis of ASF;
- c) Be familiar with ASF spread risk factors;
- d) Be aware of the global epidemiological current situation, with particular focus on the European one, and on the recent outbreaks in Eastern Europe;
- e) Have a general understanding of how the laboratory diagnosis is performed and to be able to interpret laboratory results;
- f) Have a clear idea of the risk of failing to control an ASF outbreak and its economic impact.

PROGRAM

Day 0 (Sunday, April 14):

18:00-20:00: Individual arrival and check-in at hotel

Day 1 (Monday, April 15):

8:30 – 8:45: Opening session

8:45 – 9:30: Historical and economic aspects of ASF

Speakers: Prof. JM Sánchez-Vizcaíno, Prof. C. Martins

Institutions: Universidad Complutense de Madrid (UCM, Spain)

Faculdade de Medicina Veterinária (FMV, Portugal)

Learning objectives:

- To learn the historical background of the origin and progress of ASF globally
- To become aware of the economic importance of ASF cases/outbreaks

9:30 – 10:30: ASF virus epidemiology, pathogenesis and transmission

Speakers: Prof. C. Martins, Dr. F. Feliziani and Prof. JM Sánchez-Vizcaíno

Institutions: FMV, Istituto Zooprofilattico Sperimentale Dell'Umbria e Delle Marche (IZSUM, Italy),

UCM

Learning objectives:

- To identify ASF risk factors
- To be able to recognize major routes of transmission
- To become aware of the international epidemiological situation

10:30 – 11:00: Coffee – break

11:00 – 12:00: What is it about ASF that makes it different?

Speaker: Prof. JM Sánchez-Vizcaíno

Institution: UCM

Learning objective:

- To learn the unique characteristics of ASF that differentiates it from other pig diseases

12:00 – 12:30: Discussion (Q&A) with morning speaker

12:30 – 14:00: Lunch

14:00-15:00: What does ASF look like?

Speakers: Prof. JC. Gomez-Villamandos -and Prof. JM Sánchez-Vizcaíno

Institutions: Universidad de Córdoba (UCO, Spain), UCM

Learning objective:

- To recognize possible clinical signs that an ASF case/outbreak might have

15:00 – 16:00: Is this really an ASF case?

Speakers: Prof. JC. Gomez-Villamandos and Prof. JM Sánchez-Vizcaíno

Institutions: UCO, UCM

Learning objective:

- To be able to list ASF differential diagnosis

16:00 – 16:30: Coffee break

16:30 – 18:00: Video and (online) outbreak simulator

Group exercise: split of participants into different groups

(eg. clinicians, policy makers, official veterinarians, ...)

Learning objectives:

- To identify lesions and clinical signs using online simulation cases
- To learn what different key players are expected to do when faced with an outbreak

18:00: End of day 1 of the scientific program

19:30: ASFORCE workshop dinner

(Registration required at beginning of workshop; estimated cost app. 35€)

Day 2 (Tuesday, April 16):

8:30 – 9:30: If I see a suspected case, which samples do I take?

Speakers: Dr. Marco Sensi; Dr. Lina Mur

Institutions: IZSUM, UCM

Learning objectives:

- To know which samples to collect, how to manage them, and to where they should be sent
- To be aware of which authorities report should be done to, when in the presence of a potential case

9:30 – 11:00: ASF bio security: personal, farm and laboratory levels. Control.

Speakers: Dr. Lina Mur

Institutions: UCM

Learning objectives:

- To know the ASF bio security critical points, at different levels
- To be able to implement the recommended control/prevention strategies to avoid virus spread

11:00 – 11:30: Coffee Break

11:30 – 12:00: Round table final discussion

12:00 – 12:30: Quiz of learning outcomes and training feedback survey

12:30 – 13:00: Conclusion session with Spanish assistant Chief Veterinary Officer

SPEAKERS



Prof. José Manuel Sánchez-Vizcaíno was born in Murcia, Spain in 1951. He received his Doctor of Veterinary Medicine (DVM) and PhD degrees at the Veterinary Faculty of the Universidad Complutense, Madrid. Subsequently, he did his post-graduate studies in animal immunology and virology at Cornell University in New York. Upon returning to Spain he joined the National Institute of Agricultural and Food Research (INIA, Instituto Nacional de Investigaciones Agrarias y Alimentarias). Since 2002 he is Full Professor of Animal Health at the Universidad Complutense de Madrid, performing his teaching and research work in the Department of Animal Health. He is the Director of the Reference Laboratory of the OIE for African Swine Fever and African Horse Sickness. The scientific contributions of Professor Sanchez-Vizcaino have notably contributed to the control and eradication of various animal diseases, among them the African Swine Disease, Horse Sickness and Classical Swine Disease. All of that thanks to the development of new methods and fast and sensitive diagnostic reagents, new epidemiologic strategies as well as the development of new vaccines. He has more than 100 scientific publications in high international impact magazines. Prof. Sánchez-Vizcaíno is the author of various chapters in books with international prestige (African Swine Fever and Diseases of Swine, African Horse Sickness in the OIE handbook, Trends in Emerging Viral Infections of Swine...) and digital courses dedicated to immunology and infectious diseases as well as sanitary simulations. He obtained the National Swine Investigation Prize ANAPORC 1990, the International Swine Prize “PORCO BRAVO 1999”, the first prize on Swine Health and Production (Produccion Animal 2000) and the Animal Health Prize 2007 “Los mejores de La Verdad 2007”. He has been awarded with the “Encomienda de Numero de la Orden del Merito Agrario” (Order of the Agrarian Merit) (03/12/99) y “del Merito Alimentario” (Nourishing Merit) (05/05/03), as well as the Military Service Cross with a white symbol (03/01/03) for his contributions in animal health and in controlling infectious diseases. He was recently awarded the Merit Medal from the World Organization for Animal Health (OIE), as international recognition to his outstanding services to veterinary science (5/24/09), and has been awarded Doctor Honoris Causa by the University of Murcia (22/04/10). Professor Sánchez-Vizcaíno has been collaborating since 1990 with the OIE and with FAO in various health missions for controlling infectious diseases and for technological transference in several European countries, in America and Africa. He is an OIE expert on African Swine Disease (1991 to date), member of the National Committee of the Health Alert System (2001 to date), of the Assessing Scientific Committee of the Public Health Institute of the Madrid Community (2002 to date), Scientific Committee of the animal health and wellness commission of the European Food Safety Authority (EFSA) (2003-2006) and of the Scientific Committee of the Spanish Agency of Food Safety (AESA) (2003-2008). He is also a member of several scientific societies both nationally and internationally, being at present president of the ESVV (European Society for Veterinary Virology). His current scientific interest is focused on the study of animal infectious diseases and particularly in the development of new diagnostic techniques and new strategies for its control by means of analyzing the risk and development of epidemiologic models as well as establishing networks for sanitary monitoring. **E-mail: jmvizcaino@visavet.ucm.es**



Prof. José Carlos Gómez-Villamandos was born in Cordoba (Spain) in 1963. He received his DVM and PhD degrees at the Veterinary Faculty of University of Córdoba. Subsequently, he did his post-graduate studies in the Institute of Pathology of the Veterinary Medicine Faculty of Hannover (Germany). He has been Associate Professor of histology and veterinary pathology at the University of Las Palmas de Gran Canaria (Spain) and since 2006 he is Full Professor of veterinary pathology in the University of Córdoba. He is a Diplomat of the European College of Veterinary Pathology. Prof. Gómez-Villamandos is the author of numerous scientific publications (119) in high international impact journals about pathology and pathogenesis of viral diseases in animals, mainly African swine fever (32), Classical swine fever (17) and other pestivirus. He has directed and collaborated in different research projects funded by the EU, the Spanish Government and the Andalusian regional government. He is the author of many scientific communications in international and national congresses, with plenary lectures about ASF in several international congresses. He has been the director of 16 doctoral theses, 10 of them with European/International mentions and 4 with special awards. Prof. Gómez-Villamandos has directed two doctoral programs and directed/collaborated in different training and specialization courses about veterinary pathology and electron microscopy. Since 2006 he is the vice-chancellor of University of Córdoba, being as well since 2011 the director of International Doctoral School in Agrofood. **E-mail: jcgomez@uco.es**



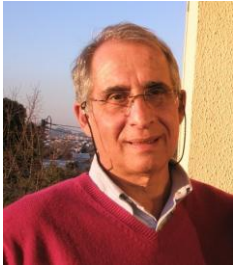
Dr. Francesco Feliziani received his DVM degree in 1992 from the University of Perugia (Italy) and also holds, from the same university, a post-graduate diploma in Animal Health and Hygiene of Animal Breeding and Production Certificate (1994). He has been developing his professional career at the Istituto Zooprofilattico Sperimentale dell' Umbria e delle Marche (IZSUM). He started as research scientist at the Virology Department/Epidemiological Unit (1995-1999). From 2000-2001 he was the Veterinary Manager of the Epidemiological Unit. Since 2002, he is the Veterinary Manager in the National Reference Laboratory for Classical and African Swine Fever, Pestiviruses and ruminants Retroviruses. Dr. Feliziani has been involved in several national and international research projects. He provided technical support to the Italian Ministry of Health and Regional Veterinary Services on control and eradication activities, emergency department and the development of the relevant legislation. He has had several teaching assignments by the Ministry of Health, Regional Veterinary Services and veterinary schools on: epidemiology, surveillance programs of infectious diseases, epidemic emergency management and Swine Fever and ruminants retroviruses control. He attended as Italian delegate and expert on several national/international meetings on: African and Classical Swine Fever and ruminants' retroviruses. Dr. Feliziani attended as senior expert in cooperation programs funded by EU commission regarding the surveillance, prevention and control activities of infectious diseases, the management of epidemic emergency and contingency plans and training of professional and technical personnel. **E-mail: f.feliziani@izsum.it**



Dr. Marco Sensi received his DVM degree in 1981 from the University of Perugia (Italy), and also holds, from the same university, a post-graduate diploma in Animal Health and Hygiene of Animal Breeding and Production Certificate (2004). He started his career serving the Italian Army (1982-1983), as Military Veterinary Officer. From 1984-1991, he worked as Veterinary manager and genetic controller (PIC Italia). From 1991-1999 he worked for the Petrini Feed Company, as Veterinary manager pig specialist, and from 1999-2000, he worked also as Veterinary manager, but for HBI Italia. Since 2001, he keeps his professional activity as Veterinary Manager, at the Istituto Zooprofilattico Sperimentale dell' Umbria e delle Marche (IZSUM). Dr. Sensi is involved in several national and international research projects. He is the author and/or co-author of more than 110 publications. He attended as senior expert in cooperation programs funded by the EU commission regarding the surveillance, prevention and control activities of infectious diseases, the management of epidemic emergency and contingency plans and training of professional and technical personnel (Contract CRIS No. 226-870 for "Technical Assistance for the Control and Eradication of Classical Swine Fever (CSF) and Rabies in Serbia" and Contract No. EuropeAid/128207/C/SER/ME "Support for the control and eradication of rabies and Classical Swine Fever in Montenegro"). **E-mail: m.sensi@izsum.it**



Dr. Lina Mur Gil holds a DVM degree (2004-2009) and a Masters degree in "Research of Veterinary Sciences" (2009-2010) from the Universidad Complutense de Madrid (UCM). Since 2009 she works at the OIE Reference Laboratory for African swine fever-UCM doing her master's dissertation and doctoral thesis on new developments for preventing and controlling ASF. Her current research is focused on epidemiological analysis, analyzing the risk of ASF introduction in the EU, as well as in new developments of ASF diagnosis, not only validating and evaluating diagnosis techniques, but also studying their application and utility on the field. She participated as researcher in the European project ASFRISK, is now an active member of the ASFORCE consortium and published/presented several scientific articles about ASF on international recognized journals (<http://www.sanidadanimal.info/sanidadanimal/en/publications.html>) and international congresses. She also teaches at UCM and has been lecturer in several courses about ASF in different parts of the world. **E-mail: linamur@vet.ucm.es**



Prof. Carlos Martis was born in Mozambique in 1948. Of Portuguese citizenship, he is Full Professor of Infectious Diseases at the Faculdade de Medicina Veterinária, Universidade Técnica de Lisboa. Besides his teaching activities (started in Mozambique in 1973 and pursued to date at the Faculdade de Medicina Veterinária) he has dedicated his scientific career to research on ASF, namely on the characterization of different aspects about viral-host interactions. He has previously participated and/or coordinated national and EU supported research projects on ASF and has established strong links with the international scientific community dealing with different aspects of this relevant and threatening disease of swine. He is the coordinator of the ASFORCE project. **E-mail:** cmartins@fmv.utl.pt

Questions?



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ASFORCE consortium

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The Institute for Animal Health (IAH, United Kingdom)
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