

## PROGRAM

### First day (Thursday, November 23<sup>rd</sup>)

8:30-9:30. Reception and registration

9:30-10:00. Welcome and opening session

### 10:00-11:30. Session 1. Production systems, natural resources and sustainability. Potential role in rural development

Chairs: *Luis Telo da Gama (PRT)*, *Mercedes Izquierdo (ESP)*

10:00-10:30. **Keynote: S1OC01- M. Čandek-Potokar (SVN)**

Growth performance of local pig breeds – analytical review in the project TREASURE.

10:30-10:45. **S1OC02- G. Zhenhua**

*Min* pigs show a higher tolerance to cold stress: an assessment in reproductionperspective.

10:45-11:00. **S1OC03- S. García-Torres**

Characterization of meat quality in different Iberian pig lines finished in *montanera* system.

11:00-11:15. **S1OC04- F. Thabethe**

Adaptation of finishing pigs to graded levels of *Vachellia tortilis* leaf meal diet.

11:15-11:30. **S1OC05- F. I. Hernández-García**

Use of rice husk as welfare fiber during the premontanera feed-restriction period in Iberian pigs: effects on growth, behavior and body composition.

**11:30-12:00. Coffee break**

### 12:00-14:00. Session 2. Breeding and Genetics

Chairs: *Attila Zsolnai (HUN)* *Marcos Ramos (PT)*

12:00-12:30. **Keynote: S2OC01- C. Óvilo (ESP)**

Diversity across major and candidate genes in European local pig breeds.

12:30-12:45. **S2OC02- A. J. Amaral**

Genome-wide screen of intramuscular fat in *Alentejano* pigs: uncovering the genetic basis of lipogenesis.

12:45-13:00. **S2OC03- M. Bates**

British experience of genetic management of traditional pig breeds.

13:00-13:15. **S2OC04- L. Di**

Genetic mechanism of *Min* pig elite germplasm characteristics.

13:15-13:30. **S2OC05- Z. Shumin**

Breeding of Songliao Black pig and its industrial development.

13:30-13:45. **S2OC06- V. A. Bâlteanu**

Exploring the genetic background of fatty *Mangalitza* pigs from Hungary and Romania and relationships with wild boars populations using a SNP-based approach.

13:45-14:00. **S2OC07- N. Garrido**

The effect of genotype and feeding system in the expression of lipogenic genes in Iberian pig.

**14:00h–15:00h. Lunch**

**15:00-17:15. Session 3. Physiology and Reproduction**

Chairs: *Francisco I. Hernández-García (ESP)*, *Rui Charneca (PRT)*

15:00-15:30. **Keynote: S3OC01- J. Rátky (HUN)**

Management effect on reproductive and productive capacity of *Mangalica* pigs.

15:30-15:45. **S3OC02- M. Waehner**

Analysis of special influencing factors on the estrous behaviour and fertilization in sows.

15:45-16:00. **S3OC03- A. Vernunft**

Placental characteristics of Hungarian *Mangalica* and German Landrace sows and their relationships to fertility parameters.

16:00-16:15. **S3OC04- M.V. Sanz-Fernández**

Effects of low birth weight on the immune function of Iberian piglets.

16:15-16:30. **S3OC05- N. Bovula**

Inclusion levels of  $\alpha$ -tocopherol supplementation on growth performance and testicular development of *Windsnyer* boars.

16:30-16:45. **S3OC06- M. Vázquez-Gómez**

Effects of nutritional pregnancy management on carcass and meat features of offspring: Implications for the production of dry-cured products.

16:45-17:00. **S3OC07- T.R. Netshirovha**

The effect of selenium and zinc supplementation on growth performance of finisher *Kolbroek* boars.

17:00-17:15. **S3OC08- P. García-Casado**

New systems of seminal quality analysis.

**17:15-18:40. Poster session**

Chairs: *Rui Charneca (PRT)*, *Luís Telo da Gama (PRT)*,

**Session 1**

**S1P01- J. García-Gudiño**

Behaviour of the iberian pig during *montanera*.

**S1P02- K. Mphofu**

Evaluating the effects of different inclusion levels of spineless cactus on growth performance of growing *Windsnyer* pigs.

**S1P03- V. Margeta**

Productive traits of *Crna Slavonska* finishing pigs fed with acorn.

**S1P04- J.M. Martins**

The Ribatejano pig: a cross based on a fatty pig.

**Session 2**

**S2P01- A. Arakawa**

Genetic relationships among domestic pigs in East Asia and Europe.

**S2P02- R. Benítez**

Ham subcutaneous fat transcriptome in growing Iberian pigs fed oleic acid vs. carbohydrates supplemented diets.

**S2P03- C. Caraballo**

Genetic verification of F1 Duroc x Iberian crossbred boars.

**S2P04- Y. Núñez**

Placental expression of genes involved in antioxidant homeostasis and vascularization in Iberian pigs.

**S2P05- M. Taniguchi**

Comparison of gene expression regulation in pork carcasses differing in intramuscular fat content.

**S2P06-A. M. Ramos**

Development of genetic markers in the *Alentejano* pig breed: the SelectPorAl project.

**S2P07-M. Izquierdo**

The effect of Iberian genotype and feeding system on carcass composition of Iberian pigs.

**Session 3**

**S3P01- A. Ishida**

Effects of feeding brown rice on the performance of fattening pigs and lactating sows.

**S3P02- L.G. Makhanya**

Onset of puberty in *Kolbroek* gilts using hormonal assays.

**18:40. Social event**

**20:00. Touristic visit and wine in Badajoz**

**Second day (Friday, November 24th)**

**9:00-11:00. Session 4. Meat quality and products**

Chairs: *Benedicte Lebret (FRA), Maria Font (ESP)*

**9:00-9:30. Keynote: S4OC01- C. Pugliese (ITA)**

The Quality of Meat and Cured Meat Products in European fatty pigs.

**9:30-9:45. S4OC02- M. Laranjo**

Effect of genotype and salt concentration on the quality of Portuguese traditional *paios*.

**9:45-10:00. S4OC03- M. Font-i-Furnols**

Effect of the immunocastration protocols on ham composition evaluated with computed tomography.

**10:00-10:15. S4OC04- E. González**

Low-protein diet for Duroc x Iberian crossbred pigs: influence on fatty acid composition of subcutaneous adipose tissue.

**10:15-10:30. S4OC05- A. López-García**

Olive cake-based growing diet for *montanera* Iberian pigs: effects on meat quality traits.

**10:45-11:00. S4OC07- R. Lizardo**

Development of a dynamic simulation model to evaluate the influence of feeding strategies on fatty acid composition of pigs.

**11:00-11:20. Coffee**

**11:20-12:45. Poster session**

**S4P01- J. Almeida**

Quality of meat produced by Iberian and Large White x Landrace pigs finished intensively or in the “*dehesa*” system.

**S4P02- M.C. Bressan**

Lipid profile of intramuscular fat in Iberian and F1 Large White x Landrace pigs finished intensively or in the “*dehesa*” system.

**S4P03- L. Cachucho**

Characterization of carcass composition and meat quality traits of *Alentejano* pigs finished under free-range conditions - Preliminary results.

**S4P04- A. Chiara**

Nitrates replacement with natural antioxidant in Cinta Senese semi-ripened salami.

**S4P05- J. Dilme**

Consumers acceptability of innovative products from Majorcan Black pig enriched with vegetal ingredients.

**S4P06- J.L. Duarte**

Breeding program for carcass and meat quality traits in a closed commercial population of Iberian sows using boars from the herdbook.

**S4P07- A.L. Torrecusa**

Effect of smoking on the physicochemical characteristics of dry-cured Iberian loin.

**S4P08- F.I. Hernández-García**

Effect of feeding management on the efficacy of long-term male immunocastration protocols specifically designed for Iberian pigs.

**S4P09- J. García-Gudiño**

Effect of the immunocastration protocols on consumers' acceptability of fresh loin from Iberian pigs

**S4P10- G. Kušec**

Differences in growth rates of muscle tissue and fat in ham, loins and shoulder between *Crna Slavonska* pigs from two rearing systems.

**S4P11- M. Gispert**

Effect of restriction feeding on sensory quality of pork loins.

**S4P012- C.N. Ncobela**

Response in carcass characteristics of *Windsnyer* pigs fed on inclusion levels of potato hash silage.

**S4P13- D. Radojković**

Carcass quality and fatty acids profile of the fatteners of Swallow-belly *Mangalitsa* breed reared in outdoor system.

**S4P14- Č. Radović**

Effect of castration method on growth rate of indigenous pig breed *Mangalitsa* Swallow Belly.

**S4P15- R.Savić**

Fatty acids content of m. *Longissimus dorsi* of *Moravka* pigs.

**S4P16- A.M.Trejo**

Optimization of a cryohistological technique to perform micro-morphometric analyses of intramuscular fat marbling in the Iberian pig.

**S4P17- J.González**

Influence of feeding on performance and backfat FA composition of Iberian x Duroc pigs raised under heat stress conditions.

**S4P18- M.J. Martín**

Colour stability during prolonged storage in different packaging conditions of dry fermented sausages from Iberian pork.

**S4P19- J.M. García-Casco**

Low-protein diet for Iberian – Duroc crossbred pigs: effects on some meat quality traits (water holding capacity and collagen and myoglobin content).

**S4P20- G. Amaro**

Characterization of the nutritional quality of m. *Serratus ventralis* from Iberian pigs of Valdesequera line under different production systems.

**S4P21- M. Cabeza de Vaca**

Characterization of subcutaneous fat for different iberian pig lines reared in montanera system

### **12:45-14:00. Session 5. Technology of Reproduction**

Chairs: *Klaus-Peter Brüssow (DEU) and Lucky Nedambale (ZAF)*

#### **12:45-13:15. Keynote I: S5OC01-N. *Manabe* (JPN)**

Characteristic expression of BH3-interacting domain death agonist (BID) and Bcl2-associated X protein (BAX) in follicular granulosa cells of *Mangalica* ovaries.

#### **13:15-13:45. Keynote II: S5OC02-T. *Somfai* (JPN)**

Current status of oocyte cryopreservation for gene banking in pigs.

#### **13:45-14:00. S5OC03- *K.P. Brüssow***

Application of reproductive methods in fatty pigs.

### **14:00-15:00. Lunch**

### **15:00-15:45. Session 5 ( *cont.* ). Technology of Reproduction**

Chairs: *Klaus-Peter Brüssow (DEU) and Lucky Nedambale (ZAF)*

#### **15:00-15:15. S5OC04- *T.L. Nedambale***

Effect of protein in testicular morphology of *Kolbroek* boars.

#### **15:15-15:30. S5OC05- *T. Páble***

Reproductive characterization of a native pig breed (*Moo Lat*) in Laos.

#### **15:30-15:45. S5OC06- *K. Kikuchi***

Recent progress on cryopreservation and utilization of testicular tissues for pig reproduction.

### **15:45-17:00. Session 6. Nutrition and new technologies**

Chairs: *Olga Moreira (PRT) and Jose M. Martins ( PRT)*

#### **15:45-16:15. Keynote: S6OC01- *R. Nieto* (ESP)**

Nutritional and physiological characteristics of Iberian pigs as an example of fatty pig breed.

#### **16:15-16:30. S6OC02- *B. Lebret***

Molecular biomarkers as predictors of sensory and technological pork quality.

#### **16:30-16:45. S6OC03- *A. Martín-Gómez***

Headspace-gas chromatography-ion mobility spectrometry to avoid labelling fraud in Iberian ham samples.

#### **16:45-17:00. S6OC04- *R. Hochegger***

Food authenticity - species identification in an official food control laboratory.

**17:00–17:20. Coffee**

**17:20-17:45. Poster session**

**Session 6**

**S6P01- A. Poto**

Characteristics of the carcass and meat of the *Chato Murciano* pig fed with carob bean (*Ceratonia siliqua*).

**S6P02- A. Poto**

Comparative study of the carcass and meat quality of the chato murciano pig fed with commercial fodder versus 15% carob bean (*Ceratonia siliqua*).

**S6P03- O. Moreira**

*Malhado de Alcobaca* pig breed: metabolic characteristics, growth performance and carcass traits.

**S6P04- W.L. García-Jiménez**

Effect of the oral administration of probiotics and vitamin D supplements in Iberian pigs.

**S6P05- G.Amaro-Blanco**

Preservation of sliced Iberian dry-cured shoulder using high hydrostatic pressure and an active packaging of olive leaf extract.

**17:45-18:45. Session 7. Impact of policy on premium pork production and future tasks in fatty-pig applied science: round table discussion**

Chair: *Antonio González-Bulnes (ESP)*

17:30-17:45. **Keynote: S7OC01- C. López-Bote (ESP)**

Iberian pig niche market.

17:45:18:00. **Keynote: S7OC02- P. Tóth (HUN)**

18:00-18:15. **Keynote: S7OC03- E. Diéguez (ESP)**

Can science save fatty pig?.

18:15-18:30. **Keynote: S7OC04-Xinting Xao (INTERPORC)**

18:30-18:45. **Keynote: S7OC05- A. González-Bulnes (ESP)**

Future tasks in fatty pig applied science.

18:30-18:45. **Discussion**

**21:30. Social Event: gala dinner and Monte Nevado awards ceremony**



**Third day (Saturday, November 25<sup>th</sup>)**

**09:00. Full-day technical tour, including a visit to an Iberian farm and lunch**

**14:00. Return to the hotel**