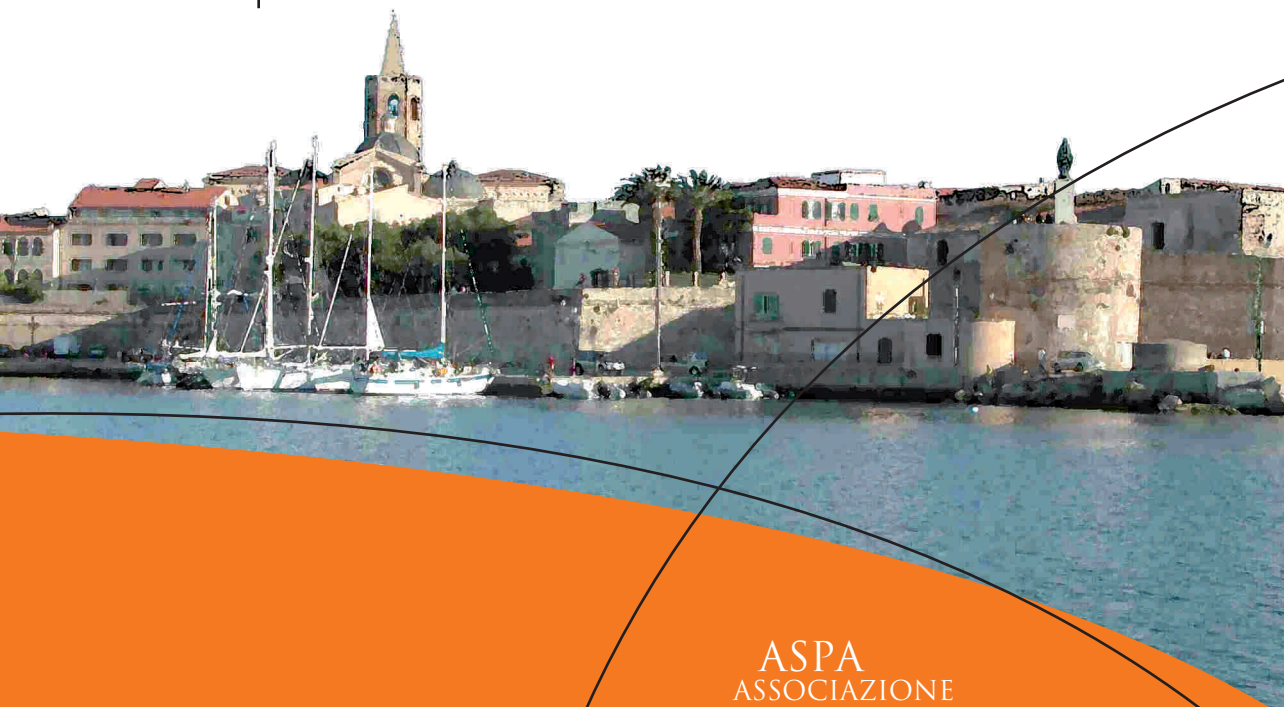




ASPA



UNIVERSITÀ  
DI SASSARI



ASPA  
ASSOCIAZIONE  
SCIENTIFICA  
DI PRODUZIONE  
ANIMALE

17

XVII  
CONGRESSO  
NAZIONALE

ALGHERO  
HOTEL CALABONA  
29 MAGGIO  
1 GIUGNO 2007

PROGRAMMA

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## Comunicazioni orali

MARTEDI 29 MAGGIO, ORE 14.00  
SALA GINEPRO & MIRTO

### RABBIT AND POULTRY PRODUCTION

Chairmen

Claudio Cavani, Gerolamo Xiccato

14.00/14.30

MAIN LECTURE: Reproductive activity and welfare of rabbit does

C. Castellini

14.30/14.45

Fungal environment in different rabbit intensive farms

P.A. Martino, F. Luzi, M. Verga

14.45/15.00

A six-year investigation on reproductive performance of hybrid rabbits. 1.

Pregnancy rate and numerical productivity at weaning as affected by season

M.L. Marongiu, C. Dimauro, B. Floris

15.00/15.15

Comparison between Allo-Kramer and Warner-Bratzler devices to assess rabbit meat tenderness

M. Bianchi, M. Petracchi, M. Pascual, C. Cavani

15.15/15.30

Olive cake dietary supplementation in rabbit: immune and oxidative status

A. Dal Bosco, C. Castellini, R. Cardinali, E. Mourvaki, L. Moscati, L. Battistacci, M. Servili, A. Taticchi

15.30/15.45

Digestible fibre to ADF ratio and starch level in diets for growing rabbits

L. Carraro, A. Trocino, M. Fragkiadakis, G. Xiccato, G. Radaelli

15.45/16.00

Effect of feed restriction on performance and feed digestibility in rabbits

C. Di Meo, F. Bovera, S. Marono, N. Vella, A. Nizza

16.00/16.15

Effect of weaning age and diet on growth performance, caecal characteristics and potential pathogenetic microflora in rabbits

V. Cesari, I. Toschi, V. Ferrazzi, N. Cesari, G. Grilli, A. Lavazza

# 6

16.15/16.30

Apparent digestibility of mixed feed with increasing levels of chia (*Salvia hispanica* L.) seeds in rabbit diets

G. Meineri, P.G. Peiretti

16.30/16.45

Effect of rearing technique in outdoor floor cage on slow growing rabbit population performance

M. D'Agata, G. Paci, C. Russo, G. Prezioso, C. Bibbiani

16.45/17.00

Foot dermatitis and productive traits in broiler chickens kept with different stocking densities, litter types and light regimen

F. Sirri, G. Minelli, E. Folegatti, S. Lolli, A. Meluzzi

17.00/17.15

Use of natural extract of chestnut (*Silvafeed* ENC(r)) in broiler feeding: effect on growth performance

A. Schiavone, K. Guo, S. Tassone, L. Gasco, V. Malfatto I. Zoccarato

17.15/17.30

Egg quality traits of laying hens reared in organic and conventional systems

G. Minelli, F. Sirri, E. Folegatti, A. Meluzzi, A. Franchini

17.30/17.45

Effect of *Saccharomyces cerevisiae* and esterified glucomannan on residues of Ochratoxin A in kidney, muscle and blood of laying hens

A. Zaghini, M. Simioli, P. Roncada, L. Rizzi

**MARTEDI 29 MAGGIO, ORE 14.00**

**SALA GINESTRA**

## **NUTRITION AND FEEDING: CATTLE**

Chairmen

Bruno Ronchi, Francesco Masoero

14.00/14.30

**MAIN LECTURE: Is there a feeding strategy to increase milk casein content?**

A. Formigoni, G. Biagi

14.30/14.45

Effect of dietary supplementation with malt extracts on milk production

G. Biagi, I. Fusaro, P. Pezzi, A. Formigoni

14.45/15.00

Influence of bitter lupin on consumption and digestibility in organic dairy cattle soya bean free diets

G. Lorenzini, A. Martini, C. Lotti, M. Casini, S. Gemini, F. Riccio, S. Squilloni, A. Rovida, R. Tocci

15.00/15.15

Meta-analysis of nutritional effects on conjugated linoleic acid (CLA) in milk fat of dairy cows

A. Nudda, A. Mereu, S. Fancellu, A. Cappio-Borlino

15.15/15.30

Effects of extruded linseed dietary supplementation on milk yield, milk quality and lipid metabolism of dairy cows

P. Pezzi, M. Giammarco, G. Vignola, N. Brogna

15.30/15.45

Effect of a different concentrate-forage sequence on digesta passage rate, faeces traits and milk features of dairy cows

G. Bertoni, P. Bani, M.G. Maianti, R. Lombardelli, L. Sarti

15.45/16.00

Effects of fat supplementations on milk production and composition, ruminal and plasma parameters of dairy cows

F. Tagliapietra, S. Schiavon, A. Simonetto, M. Dal Maso, L. Bailoni

16.00/16.15

Change of selenium in plasma of dairy cows receiving two levels of sodium - selenite during the transition period

F. Piccioli Cappelli, E. Trevisi, A. Bakudila Mbuta, A. Gubbiotti

16.15/16.30

Change of digesta passage rate in dairy cows after different acute stress situations

E. Trevisi, R. Lombardelli, A. Minuti, G. Bertoni

16.30/16.45

High Grain Diets Perturb Rumen and Plasma Metabolites and Induce Inflammatory Responses in Early Lactation Dairy Cows

D. G. V. Emmanuel, S. Shanthipoosan, B. N. Ametaj

16.45/17.00

Activity of plant wastes on acute phase proteins in cows

S. Sgorlon, M. Colitti, M. Farinacci, B. Stefanon

17.00/17.15

A technique to screen plant extracts for anti-inflammatory activity on ovine neutrophils

M. Farinacci, M. Colitti, S. Sgorlon, B. Stefanon

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17.15/17.30

In vivo release of aflatoxin B<sub>1</sub> bound to different sequestering agents in dairy cows

F. Masoero, M. Moschini, A. Gallo, D. Diaz

17.30/17.45

Mucosal absorption of aflatoxin B<sub>1</sub> in lactating dairy cows

M. Moschini, F. Masoero, A. Gallo, D. Diaz

17.45/18.00

Evaluation of mycotoxins contamination in intensive beef cattle production system

A. Sabatini, P.P. Danieli, U. Bernabucci, B. Ronchi

18.00/18.15

Use of Penn State Particle Separator for the evaluation of total mixed rations typical of Parmigiano Reggiano cheese production area

F. Righi, A. Quarantelli, L. Tonelli, M. Renzi, B. Gandolfi

18.15/18.30

Effects of different protein plants in cows diet on milk for Parmigiano Reggiano production

A.L. Mordenti, F. Merendi, M. Fustini, A. Formigoni

MARTEDI 29 MAGGIO, ORE 14.00

SALA OLEANDRO

## GENETICS AND BREEDING: QUANTITATIVE GENETICS

Chairmen

Paolo Carnier, Alessandro Bagnato

14.00/14.30

MAIN LECTURE: Genetic evaluation of reproductive performance in Canadian dairy cattle

F. Miglior

14.30/14.45

International genetic evaluation for fertility traits in dairy cattle

S. Biffani, F. Canavesi

14.45/15.00

Survival analysis of piglet pre-weaning mortality

A. Cecchinato, F. Maretto, E. Zanetti, P. Carnier

15.00/15.15

Genetic parameters for calving ease in Italian Simmental cattle

L. Degano, D. Vicario

15.15/15.30

**Genetic evaluation for body condition score in Italian Brown Swiss cattle**

A. Rossoni, C. Nicoletti, O. Bonetti, L. Testa, E. Santus

15.30/15.45

**On the use of ELO rating on harness racing results in the genetic evaluation of trotter**

C. Pieramati, L. Fusaioli, L. Scacco, L. Buttazzoni, M. Silvestrelli

15.45/16.00

**Application of an AM-BLUP to the station test results of Italian Saddle horse stallions**

M. Silvestrelli, L. Lucchetti, L. Scacco, L. Buttazzoni, C. Pieramati

16.00/16.15

**Effects of different simplified milk recording methods on genetic evaluation with test-day animal model**

B. Portolano, D. O. Maizon, V. Riggio, M. Tolone, D. Cacioppo

16.15/16.30

**Pedigree verification with multiple candidate parents using Pedverif software**

J.B.C.H.M. van Kaam, R. Finocchiaro, M. Vitale, D. Cacioppo, S. Caracappa

16.30/16.45

**The accuracy of test day model evaluation for the Italian Holstein**

F. Canavesi, S. Biffani, G. Banos

16.45/17.00

**Fit of different functions to the individual deviations in random regression test day models for milk yield in dairy cattle**

N.P.P. Macciotta, F. Miglior, A. Cappio-Borlino, L.R. Schaeffer

17.00/17.15

**Effect of crossbreeding on milk yield traits and somatic cell score in dairy cattle**

M. Penasa, R. Dal Zotto, A. Cecchinato, G. de Jong, M. Cassandro

17.15/17.30

**Effect of crossbreeding on market value of calves from dairy cows**

R. Dal Zotto, M. Penasa, M. Povinelli, G. Bittante

17.30/17.45

**Genetic evaluation for cow fighting ability in the Valdostana breed**

R. Mantovani, B. Contiero, M. Vevey

17.45/18.00

**Genetic parameters for casein and urea content in the Italian Brown Swiss dairy cattle**

A.B. Samoré, C. Romani, A. Rossoni, E. Frigo, O. Pedron, A. Bagnato

# 10

18.00/18.15

Genetic parameters of beef quality traits for Piemontese cattle

A. Boukha, M. De Marchi, A. Albera, G. Bittante, L. Gallo, P. Carnier

**MARTEDI 29 MAGGIO, ORE 20.00**

**SALA OLEANDRO**

## **CERIMONIA INAUGURALE**

Saluto delle Autorità

OPENING LECTURE: State and perspectives of national and international animal research

A. Nardone

Presentazione del programma del Congresso

G. Pulina

21.30

**COCKTAIL DI BENVENUTO**

**MERCOLEDI 30 MAGGIO, ORE 8.30**

**SALA GINEPRO & MIRTO**

## **HORSE PRODUCTION**

Chairman

Antonio Lucio Catalano

8.30/9.00

MAIN LECTURE: A multi-factorial approach to the nutritional requirements of sports horses: critical analysis and some practical applications

D. Bergero, E. Valle

9.00/9.15

Total mixed ration in exercising horse: digestibility and nitrogen metabolism

D. Gatta, L. Casini, G.B. Liponi, L. Magni, L. Filippini

9.15/9.30

Nutritional status of dairy asses managed with different machine milking strategies

F. Fantuz, C. Maglieri, D. Casamassima, M. Palazzo, B. Chiofalo, E. Salimei

9.30/9.45

Glutathione peroxidase responses in mature horses following the withdrawal of an organic selenium supplement

L. Calamari, F. Piccioli Cappelli, A. Ferrari, G. Bertin

9.45/10.00

Leptin in milk and plasma of dairy asses

E. Salimei, F. Rosi, C. Maglieri, D. Magistrelli, F. Fantuz

10.00/10.15

Influence of milking number and frequency on milk production in Martina Franca breed asses

A.G. D'Alessandro, G. Martemucci

10.15/10.30

Protein fraction heterogeneity in donkey's milk analysed by proteomic methods

D. Marletta, A. Criscione, V. Cunsolo, A. Zuccaro, V. Muccilli, S. Bordonaro, A.M. Guastella, G. D'Urso

10.30/11.15

**COFFEE BREAK & POSTER SESSION**

**MERCOLEDI 30 MAGGIO, ORE 11.15**

**SALA GINEPRO & MIRTO**

## **OTHER SPECIES**

Chairman

Massimo Trabalza Marinucci

11.15/11.30

Environmental improvement and conservation of useful pastures for wild herbivores in a Regional Park on the Apennines mountains

F. Cervasio, M.P. Ponzetta, G. Argenti, V. Di Leo

11.30/11.45

Faecal nitrogen and dietary quality relationships in Fallow deer

F. Sacconi, M.P. Ponzetta, F. Cervasio

11.45/12.00

Llama meat nutritional properties

P. Polidori, C. Renieri, M. Antonini, G. Lebboroni

## 12

12.00/12.15

Wild boar (*Sus scrofa*) damages to mountain grassland. A case study in the Belluno province, eastern Italian Alps

G. Cocca, E. Sturaro, L. Dal Compare, M. Ramanzin

12.15/12.30

An analysis of roe deer (*Capreolus capreolus*) traffic collisions in the Belluno province, eastern Italian Alps

L. Dal Compare, E. Sturaro, G. Cocca, M. Ramanzin

12.30/12.45

Body condition score (BCS) and metabolic status of shelter dogs

R. Ricci, F. Gottardo, J.C. Ferlito, A. Stefani, L. Ravarotto, I. Andrighetto

12.45/13.00

Sustainability and Uncertainty: Bottom-Up and Top-Down Approaches

K.K. Jensen

**MERCOLEDI 30 MAGGIO, ORE 8.30**

**SALA GINESTRA**

### **NUTRITION AND FEEDING: SHEEP AND GOAT**

Chairman

Piero Susmel

8.30/9.00

**MAIN LECTURE:** Re-visiting the nutrition of dairy sheep grazing Mediterranean pastures

G. Molle, A. Cabiddu, M. Decandia

9.00/9.15

Effects of feeding raw or extruded linseed on the ruminal ecosystem of sheep

L. Mughetti, G. Acuti, C. Antonini, S. De Vincenzi, O. Olivieri, M. Trabalza Marinucci

9.15/9.30

Intake and milk production of goats grazing Sulla forage under different stocking rates

A Bonanno, A. Di Grigoli, L. Stringi, G. Di Miceli, D. Giambalvo, G. Tornambè, D. Vargetto, M.L. Alicata

9.30/9.45

Effect of urea treatment on the nutritive value of local sorghum and millet straw: a comparative study on growing performance of Djallonke rams

M. Mattoni, A. Schiavone, M. Tarantola, G. Ladetto, D. De Meneghi, A. B. Kanwe

9.45/10.00

Faba bean (*Vicia faba minor*) and pea seeds (*Pisum sativum*) as protein sources in lactating ewes' diets

G.B. Liponi, L. Casini, M. Martini, D. Gatta

10.00/10.15

Effect of raw sunflower seeds on goat milk production in different farming systems

M. Zucali, L. Bava, C. Penati, L. Rapetti

10.15/10.30

Folate, vitamin B<sub>12</sub>, alpha-tocopherol and selected liver components in periparturient dairy goats supplemented with choline and vitamin E

A. Baldi, L. Pinotti, F. D'Ambrosio, A. Campagnoli, E. Fusi, F. Susca, C. Pecorini, V. Dell'Orto

10.30/11.15

**COFFEE BREAK & POSTER SESSION**

**MERCOLEDI 30 MAGGIO, ORE 11.15**

**SALA GINESTRA**

## **NUTRITION AND FEEDING: SHEEP AND GOAT**

Chairman

Vincenzo Piccolo

11.15/11.30

Evaluation of milk production and some blood parameters in lactating autochthonous goat extensively reared in Molise region

D. Casamassima, M. Palazzo, R. Pizzo

11.30/11.45

Investigation on genetically modified soybean (RoundUp Ready) in goat nutrition: DNA detection in suckling kids

R. Tudisco, M.I. Cutrignelli, S. Calabrò, A. Guglielmelli, F. Infascelli

11.45/12.00

A Conjugated linoleic acid (CLA) supplement containing trans-10, cis-12 CLA reduces milk fat synthesis in lactating goats

M. Rovai, A. Lock, T. Gipson, A. Goetsch, D. Bauman

12.00/12.15

Whole extruded linseed in the diet of dairy ewes during early lactation: effect on the fatty acid composition of milk and cheese.

M. Mele, A. Serra, G. Conte, A. Pollicardo, M. Del Viva, P. Secchiari

# 14

12.15/12.30

Effects of fibre and non-fibre carbohydrate and level of intake on microbial protein yield in Sarda sheep

F. Boe, V. Giovanetti, E. Zerbini, G. Bomboi, B. Floris

12.30/12.45

The Small Ruminant Nutrition System: development and evaluation of a goat submodel

A. Cannas, L. O. Tedeschi, A. S. Atzori, D. G. Fox

12.45/13.00

Effect of different forage species supplemented with two carbohydrate sources on short and medium chain fatty acids in sheep milk

A. Cabiddu, M. Addis, G. Pinna, M. Decandia, M. Sitzia, A. Pirisi, G. Piredda

**MERCOLEDI 30 MAGGIO, ORE 8.30**

**SALA OLEANDRO**

## **GENETICS AND BREEDING: CYTOGENETICS AND QTL MAPPING**

Chairman

Fabio Pilla

8.30/9.00

**MAIN LECTURE: Cytogenetics in Animal Production**

L. Iannuzzi

9.00/9.15

DNA polymerase alpha inhibition by aphidicolin and fragile site expression in prometaphase chromosomes of the Italian Mediterranean River Buffalo (*Bubalus bubalis*, 2n=50)

D. Nicodemo, G. Coppola, A. Pauciullo, G. Cosenza, L. Ramunno, F. Ciotola, V. Peretti, G.P. Di Meo, L. Iannuzzi, J. Rubes, D. Di Bernardino

9.15/9.30

Chromosome fragility in freemartin cattle

F. Ciotola, V. Peretti, S. Albarella, R. Buonerba, G. beneduce, G.P. Di Meo, L. Iannuzzi, V. Barbieri

9.30/9.45

Cytogenetic screening of a canadian pig breeding unit

G. Coppola, A. Pinton, D. Nicodemo, D. Di Bernardino, W.A. King

9.45/10.00

Mapping QTL affecting milk somatic cell count in the Italian Brown Swiss dairy cattle - The QUALAT project

A. Bagnato, F. Schiavini, V. La Mattina, E. Santus, M. Soller, E. Lipkin

10.00/10.15

**Bovine chromosome 20: milk production QTL and candidate gene analysis in the Italian Holstein-Friesian breed**

L. Fontanesi, E. Scotti, M. Dolezal, E. Lipkin, S. Dall'Olio, P. Zambonelli, D. Bigi, R. Davoli, M. Soller, V. Russo

10.15/10.30

**Identification of milk protein percentage QTLs in Italian Friesian cattle by selective genotyping two GDD families with AFLP and SSR markers**

P. Ajmone-Marsan, E. Milanesi, F. Schiavini, R. Mazza, R. Negrini

10.30/11.15

**COFFEE BREAK & POSTER SESSION**

**MERCOLEDI 30 MAGGIO, ORE 11.15**

**SALA OLEANDRO**

## **GENETICS AND BREEDING: GENE EXPRESSION AND GENETIC MARKERS**

Chairman

Giulio Pagnacco

11.15/11.30

**Microarray analyses to identify differentially expressed genes for assessing meat quality in swine**

S. Iacuanello, B. Castiglioni, C. Gorni, A. Stella, P. Mariani, G. Pagnacco

11.30/11.45

**GoSh: a goat and sheep ESTs database**

A. Caprera, B. Lazzari, A. Stella, I. Merelli, A.R. Caetano, P. Mariani

11.45/12.00

**Transcriptome analysis of porcine skeletal muscle: differentially expressed genes in Italian Large White pigs with divergent values for glycolytic potential**

R. Davoli, M. Colombo, S. Schiavina, L. Fontanesi, L. Buttazzoni, V. Russo

12.00/12.15

**Differences in adiponectin, adiponectin receptor 1 and adiponectin receptor 2 mRNA levels between Casertana and Large White pig breeds**

M. D'Andrea, A. Campanella, F. Pilla

12.15/12.30

Effect of normalisation on detection of differentially expressed genes in cDNA microarray data analysis

C. Dimauro, N. Bacciu, N.P.P. Macciotta

12.30/12.45

The casein genes in goat breeds from different Continents: analysis by Polymerase Chain Reaction - Single Strand Conformation Polymorphism (PCR-SSCP)

S. Chessa, F. Chiatti, D. Rignanese, E.M. Ibeagha-Awemu, C. Özbeyaz, Y.A. Hassan, M.M. Baig, G. Erhardt, A. Caroli

12.45/13.00

Relationship between Beta Lactoglobulin and Subclinical Mastitis in Valle del Belice sheep breed

I. Gigli, V. Riggio, G. Monteleone, D. Cacioppo, A.J.M. Rosa, D.O. Maizon

**MERCOLEDÌ 30 MAGGIO, ORE 14.30**

**SALA GINEPRO & MIRTO**

## **PIG PRODUCTION: AUTOCHTHONOUS BREEDS AND PRODUCT QUALITY**

Chairmen

Rosanna Scipioni, Leonardo Nanni Costa

14.30/15.00

**MAIN LECTURE:** Italian autochthonous pigs: progress report and research perspectives

O. Franci, C. Pugliese

15.00/15.15

Effect of use of bread in fattening of Cinta Senese pig

F. Sirtori, A. Acciaioli, L. Pianaccioli, R. Bozzi

15.15/15.30

Effects of pasture on carcass composition in Cinta Senese pig

L. Giuliotti, J. Goracci, N. Benvenuti, F. Sirtori

15.30/15.45

Effects of slaughter weight and sex on carcass traits and meat quality of Casertana pigs reared outdoors

G. Maiorano, C. Cavone, K. Paolone, F. Pilla, M. Gambacorta, A. Manchisi

15.45/16.00

Rosemary extract (*Rosmarinus officinalis* L.) supplementation into the diet of Nero Siciliano pigs: effects on lipid oxidation

L. Liotta, B. Chiofalo, V. Lo Presti, D. Piccolo, V. Chiofalo

16.00/16.15

Digestibility and nitrogen balance of diets containing non conventional vegetable proteins fed to pigs of genetic strains suitable for outdoor systems

L. Rizzi, G. Martelli, R. Paganelli, M. Simioli, L. Sardi

16.15/16.30

The use of thermography on the slaughter-line for the assessment of pork and raw ham quality

L. Nanni Costa, C. Stelletta, C. Cannizzo, M. Giancesella, D. Pietro Lo Fiego, M. Morgante

16.30/16.45

A sensory study on loin quality from pigs slaughtered at 120 or 160 kg liveweight

S. Cannata, M. Musella, R. Rossi, G. Pastorelli, C. Corino

16.45/17.00

Pig, F1 (wil boar x pig) and wild boar meat quality

G. Marsico, A. Rasulo, S. Dimatteo, S. Tarricone, F. Pinto, M. Ragni

17.00/17.15

Influence of crossbreeding and seasoning period on some characteristics of salami of Cinta Senese

S. Parenti, G. Campodoni, C. Pugliese, S. D'Adorante

17.15/17.30

Fatty acids composition of Colonnata Lard from two different swine breeds

A. Serra, M. Mele, J. Vitti, P. Secchiari

17.30/17.45

Use of the Electronic Nose on Products of Cinta Senese Pigs

S. D'Adorante, C. Pugliese, S. Parenti, G. Campodoni, A. Crovetto

17.45/18.00

Preliminary investigation of the use of digital image analysis for raw ham evaluation

D. P. Lo Fiego, M. Comellini, M. C. Ielo, A. Ulrici, L. A. Volpelli, F. Tassone, L. Nanni Costa

**MERCOLEDI 30 MAGGIO, ORE 14.30**

**SALA GINESTRA**

## **CATTLE PRODUCTION: DAIRY**

Chairmen

Gianni Matteo Crovetto, Giacomo Pirlo

14.30/14.45

Milking procedures and milk ejection in Italian Brown cows

A. Tamburini, A. Sandrucci, C. Nicoletti, L. Zanini

14.45/15.00

Fatty acid composition of milk produced in organic and conventional dairy herds in Italy and Slovenia

A. Lavrenčič, A. Levart, J. Salobir

15.00/15.15

Efficiency of different Spectroscopies and the Electronic Nose Techniques for the characterization of milk

G. Masoero, G. Sala, G. Contarini, B. M. Moiola

15.15/15.30

Effects of adsorbents in dairy cow diet on milk quality and cheese-making properties

L. Migliorati, F. Abeni, M.P. Cattaneo, C. Tornielli, G. Pirlo

15.30/15.45

Dairy production in urban and periurban area of Extrême-Nord in Cameroon: milk yield and microbial contamination

A.F.A. Cantàfora, S. Barbieri, C. Crimella

15.45/16.00

The “maturation” of milk for Parmigiano-Reggiano cheesemaking: effects on mineral equilibria and technological properties

P. Formaggioni, M. Malacarne, A. Summer, P. Franceschi, M. Pecorari, A. Tambini, P. Vecchia, P. Mariani

16.00/16.15

Effect of period of milk production and ripening on quality traits of Asiago cheese

S. Segato, S. Balzan, C.A. Elia, L. Lignitto, A. Granata, L. Magro, B. Contiero, I. Andrighetto, E. Novelli

16.15/16.30

Seasonal trend of some parameters of the milk quality payment for Parmigiano-Reggiano cheese

A. Summer, S. Sandri, F. Tosi, P. Franceschi, M. Malacarne, P. Formaggioni, P. Mariani

16.30/16.45

Friesian cow experimentally treated with recombinant somatotropin(r-bST): effects on productive and reproductive parameters

G. M. Terzano, F. La Regina, G. Grifoni, R. Rosati, A. Borghese

16.45/17.00

The effect of melatonin on bovine in vitro embryo development

M. P. Tsantarliotou, L. Attanasio, A. De Rosa, L. Boccia, G. Pellerano, B. Gasparriani

17.00/17.15

Fatty acids affect proliferation of peripheral blood mononuclear cells in dairy cows

N. Lacetera, G. Kuzminsky, P. Morera, L. Basiricò

17.15/17.30

Influence of seasonality on the comfort supplied by different materials used as cubicle flooring for dairy cows

P. De Palo, A. Tateo, F. Zezza, B. Padalino, P. Centoducati

17.30/17.45

Alpha1-acid glycoprotein post-translational modifications: a comparative two dimensional electrophoresis based analysis

R. Fortin, F. Ceciliani, P. Sartorelli, A. Miranda-Ribera, L. Musante, G. Candiano, G. F. Greppi, P. Roncada

**MERCOLEDI 30 MAGGIO, ORE 14.30**

**SALA OLEANDRO**

## **GENETICS AND BREEDING: GENETIC DIVERSITY**

Chairmen

Roberta Davoli, Donato Matassino

14.30/14.45

A Latinoamerican Experience in the Conservation of Zoogenetic Resources and Traditional Management Systems

J.V. Delgado, M.E.Camacho

14.45/15.00

The Spanish Zoogenetic Conservation from a Non Governmental Organization (SERGA)

M. Fernández, M. Gómez, M. Jiménez, S. Adan J.V. Delgado

15.00/15.15

Characterization of biodiversity in six goat breeds reared in Southern Italy by means of microsatellite and SnPs markers

A. Criscione, D. Marletta, T. Ådnøy, S. Bordonaro, A.M. Guastella, S. Lien, G. D'Urso

15.15/15.30

The Ventasso Horse: genetic characterization by microsatellite markers

D. Bigi, P. Zambonelli, G. Perrotta, M. Blasi

15.30/15.45

Morphological characteristics in "Monterufoli horse"

R. Tocci, C. Sargentini, G. Lorenzini, P. Degl'Innocenti, R. Bozzi, A. Giorgetti

## 20

15.45/16.00

Genetic diversity in some local chicken breeds using microsatellite markers

E. Zanetti, M. Gervaso, C. Dalvit, M. Cassandro

16.00/16.15

Heterozygosity analysis of Bionda Piemontese and Bianca di Saluzzo chicken breeds by microsatellites markers: a preliminary study

L. Guidobono Cavalchini, S.P. Marelli, M.G. Strillacci, M.C. Cozzi, M. Polli, M. Longeri

16.15/16.30

Genetic variability in Trigla lucerna by microsatellite molecular markers isolation

F. Pilla, M. D'Andrea, A. Merigioli, M.T. Scarano, L. Forlini, A. Roncarati, P. Melotti

16.30/16.45

Proposal of genetic traceability for Cinta Senese products

A. Crovetto, L. Nardi, R. Bozzi, O. Franci

16.45/17.00

Finding 16S rRNA Gene-Based SNPs for the Genetic Traceability of Commercial Species belonging to Gadiformes

F. Maretto, E. Reffo, C. Dalvit, G. Barcaccia, R. Mantovani

17.00/17.15

Microsatellites as markers for comparison among different populations of *Sarcoptes scabiei*

D. Soglia, R. Rasero, L. Rossi, S. Sartore, P. Sacchi, S. Maione

17.15/17.30

The genetic variability analysis of the Amiata donkey breed by molecular data

R. Ciampolini, F. Cecchi, E. Mazzanti, E. Ciani, M. Tancredi, B. De Sanctis

17.30

**ASSEMBLEA DEI SOCI**

**GIOVEDÌ 31 MAGGIO, ORE 8.30**

**SALA GINEPRO & MIRTO**

**BUFFALO PRODUCTION**

Chairman

Luigi Zicarelli

8.30/8.45

Ca and P in buffalo milk: curd yield and milk clotting parameters

B. Ariota, G. Campanile, A. Potena, R. Napolano, B. Gasparrini, G.L. Neglia, R. Di Palo

8.45/9.00

Fatty acid composition of Mediterranean buffalo milk fat

M.L. Varricchio, A. Di Francia, F. Masucci, R. Romano, V. Proto

9.00/9.15

Fit of the Wood function to milk yield data collected by different recording systems in Mediterranean Italian buffalo

A. Coletta, C. Caso, M. Castrillo, M. Parlato, A. Zullo, L. Zicarelli

9.15/9.30

Milk flow traits of buffalo cows in intensive farming system

L. Bava, A. Sandrucci, A. Tamburini, M. Zucali

9.30/9.45

Dietary influence on primiparous and pluriparous buffalo fertility

D. Vecchio, G. Neglia, M. Rendina, M. Marchiello, A. Balestrieri, R. Di Palo

9.45/10.00

Starter protein concentration and weaning of buffalo calf

F. Zicarelli, C. Grassi, M.P. Gazaneo, I. Masiello, D. Vecchio, G. Campanile

10.00/10.15

Effect of housing system on behavioural activity of lactating buffaloes

G. De Rosa, A. Bordi, F. Napolitano, A. Bilancione, F. Grasso

10.15/10.30

Effect of *Enterococcus faecium* SF68 on growth performance and in vivo digestibility in buffalo calves

A. Di Francia, F. Masucci, M.L. Varricchio, A. Bilancione, V. Proto

10.30/11.15

**COFFEE BREAK & POSTER SESSION**

**GIOVEDÌ 31 MAGGIO, ORE 11.15**

**SALA GINEPRO & MIRTO**

## **NUTRITION AND FEEDING: PIGS**

Chairman

Vincenzo Chiofalo

11.15/11.30

Effect of tannin supplementation on nitrogen digestibility and retention in growing pigs

M. Antongiovanni, S. Minieri, F. Petacchi

11.30/11.45

Effect of dietary addition of nitrate on growth, salivary and gastric function, immune response, and excretion of *Salmonella enterica* serovar Typhimurium, in weaning pigs challenged with this microbe strain

P. Bosi, L. Casini, C. Tittarelli, L. Minieri, S. De Filippi, P. Trevisi, P. Clavenzani, M. Mazzoni

11.45/12.00

Growth performance and oxidative status in piglets supplemented with verbascoside and teupolioside

C. Corino, R. Rossi, M. Musella, S. Cannata, G. Pastorelli

12.00/12.15

Growth parameters and meat quality of pigs fed diets containing high oleic sunflower oil

L. Sardi, G. Martelli, A.L. Mordenti, G. Zaghini, D. Bocchicchio, G. Della Casa

12.15/12.30

Effect of dietary addition of thymol on growth, salivary and gastric function, immune response, and excretion of *Salmonella enterica* serovar Typhimurium, in weaning pigs challenged with this microbe strain

P. Trevisi, G. Merialdi, M. Mazzoni, L. Casini, C. Tittarelli, S. De Filippi, L. Minieri, G. Lalatta-Costerbosa, P. Bosi

12.30/12.45

The allometric partition of whole body protein in lean fraction of growing pigs using information from three different datasets

S. Schiavon, C. Ceolin, F. Tagliapietra, L. Bailoni A. Piva

12.45/13.00

Use of a glucomannan polymer to reduce the effects of mycotoxin-contaminated diets in finishing pigs

G. Battacone, G.A. Carboni, P. Nicolussi, C. Ligios, G. Pulina

**GIOVEDÌ 31 MAGGIO, ORE 8.30**

**SALA GINESTRA**

## **NUTRITION AND FEEDING: FEED EVALUATION**

Chairman

Mauro Antongiovanni

8.30/8.45

Nutritional characteristics of forages from Niger

S. Calabrò, S. D'Urso, M. Banoin, V. Piccolo, F. Infascelli

8.45/9.00

**Nutritive value of different hybrids of sorghum forage determined in vitro**

D. Colombo, G. M. Crovetto, S. Colombini, G. Galassi, L. Rapetti

9.00/9.15

**Genetic and environmental influences on in vitro digestibility of alfalfa**

P. Bani, A. Minuti, A. Obonyo Luraschi, M. Ligabue, F. Ruozi

9.15/9.30

**Use of ostrich faeces as alternative inoculum to caecal content to study the in vitro digestibility of alfalfa (green, dehydrated and hay)**

F. Bovera, G. Piccolo, S. Nizza, R. Lucà, C. Di Meo

9.30/9.45

**Effects of wilting and lactic acid bacteria inoculation on fermentation quality of white lupin and fababean silages**

S. Colombini, M. Odoardi, R. Paoletti, E. Tabacco, G. Borreani

9.45/10.00

**Effect of ruminant species (bovine vs buffalo) and source of inoculum (rumen liquor vs faeces) on in vitro fermentation**

M.I. Cutrignelli, S. D'Urso, R. Tudisco, M. Grossi, V. Piccolo

10.00/10.15

**Precision and accuracy of the NDF rumen degradability of hays measured by the Daisy fermenter**

M. Spanghero, L. Gruber, C. Zanfi

10.15/10.30

**Forage and grain legume silages as a valuable source of proteins for dairy cows**

L. Cavallarin, E. Tabacco, G. Borreani

10.30/11.15

**COFFEE BREAK & POSTER SESSION**

**GIOVEDÌ 31 MAGGIO, ORE 11.15**

**SALA GINESTRA**

## **NUTRITION AND FEEDING: RUMINANTS**

Chairman

Giovanni Savoini

11.15 /11.30

**Sorghum used to fodder production in dry farming**

A. Pistoia, P. Poli, L. Casarosa, G. Balestri, G. Ferruzzi

11.30/11.45

**Screening and selection of lactic acid bacteria from calves for designing a species-specific probiotic supplement**

B. Ripamonti, R. Rebucci, S. Stella, A. Baldi, G. Savoini, C. Bersani, B. Bertasi, C. Panteghini, C. Cantoni

11.45/12.00

**Effects of Se supplementation on growth rate and blood parameters in lambs**

G. Vignola, L. Lambertini, M. Giammarco, P. Pezzi, G. Mazzone

12.00/12.15

**Heat shock induced changes of adipokines gene expression in 3T3-L1 adipocytes**

U. Bernabucci, L. Basiricò, P. Morera, N. Lacetera, B. Ronchi, A. Nardone

12.15/12.30

**Selection of new markers for animal by-products characterization by classical microscopy**

L. Pinotti, A. Campagnoli, L. Maggioni, C. Paltanin, F. Cheli, Vittorio Dell'Orto, G. Savoini

12.30/12.45

**In vitro methods to evaluate the effects of plant waste products on rumen and gut microflora**

D. Tedesco, S. Stella, D. Cattaneo, L. Garavaglia, C. Barbieri

12.45/13.00

**Use of bovine lymphocytes to assess the immunomodulatory effect of natural extracts**

L. Lignitto, L. Da Dalvit, S. Balzan, G. Gabai, S. Segato, R. Ricci, E. Novelli

**GIOVEDÌ 31 MAGGIO, ORE 8.30**

**SALA OLEANDRO**

## **SHEEP AND GOAT PRODUCTION: MEAT**

Chairman

Luciano Morbidini

8.30/9.00

**MAIN LECTURE: Effects of tannin-containing diets on small ruminant meat quality**

A. Priolo, V. Vasta

9.00/9.15

**Effect of the dam's feeding regimen on the meat quality of light suckling lambs**

M. Morgante, E. Piasentier, A. Bonanno, A. Di Grigoli, G. Molle

9.15/9.30

Effect of goat production systems on meat quality and Conjugated Linoleic Acid (CLA) content in suckling kids

A. Caputi Jambrenghi, M.A. Colonna, F. Giannico, G. Cappiello, G. Vonghia

9.30/9.45

Statistical analysis of meat and fat colour characteristics in carcasses of “Appenninica” and “Sopravissana” lambs fed diets with different protein source (soybean or faba bean)

L. Morbidini, E. Rossetti

9.45/10.00

Organoleptic properties of meat from Altamura and Trimeticchio lambs slaughtered at two different ages

R. Marino, A. Braghieri, G. Gliatta, F. Napolitano, A. Santillo, T. Zezza, A. Girolami

10.00/10.15

Chemical, physicochemical properties and microbiological characterization of a typical product, Pìtina, made by Alpagota sheep meat

S. Bovolenta, D. Boscolo, S. Dovier, M. Morgante, A. Pallotti, E. Piasentier

10.15/10.30

Evaluation of the Violino-producing aptitude in does e chevon: slaughter performance and meat quality

A. Gaviraghi, F. Saltamacchia, A. D'Angelo, L. Noè, M. Iacurto, M. Mormile, G.F. Greppi

10.30/11.15

**COFFEE BREAK & POSTER SESSION**

**GIOVEDÌ 31 MAGGIO, ORE 11.15**

**SALA OLEANDRO**

## **GENETICS AND BREEDING: MOLECULAR GENETICS**

Chairman

Paolo Ajmone-Marsan

11.15/11.30

Molecular characterization of genes involved in chicken MHC class I antigen presentation pathway

L. Sironi, A. Stella, B. Lazzari, P. Ramelli, C. Gorni, P. Mariani

11.30/11.45

SNPs in coat colour genes in goats

P. Crepaldi, L. Nicoloso

11.45/12.00

**Detecting footprints of selection in *Ovis aries* by a spatial analysis approach**

S. Joost, R. Negrini, E. Milanese, M. Pellicchia, P. Ajmone Marsan, the Econogene Consortium

12.00/12.15

**Ancient DNA: genomic amplification of Roman and medieval bovine bones**

L. Pariset, L. Gabbianelli, D. De Bernardis, M.T. Fortunato, F. Alhaique, E. De Minicis, A. Valentini

12.15/12.30

**Variability of Leptin gene promoter in cattle**

C. Lisa, S. Sartore, L. Di Stasio

12.30/12.45

**Haplotype association analysis of meat quality traits at the bovine PRKAG3 locus**

E. Ciani, M. Roux, R. Ciampolini, E. Mazzanti, F. Cecchi, M. Tancredi, D. Cianci, H. Leveziel, S. Presciuttini, V. Amarger

12.45/13.00

**Analysis of upstream promoter region and corresponding 5' UTR of glucokinase (GCK) gene in horse breeds**

S. Dall'Olio, L. Minieri

**GIOVEDÌ 31 MAGGIO, ORE 14.30****SALA GINEPRO & MIRTO****AQUACULTURE**

Chairmen

Marco Saroglia, Bianca Maria Poli

14.30/15.00

**MAIN LECTURE: State of the art of Italian aquaculture**

A. Roncarati, P. Melotti

15.00/15.15

**Optimizing mating schemes in fish breeding**

E. D'Agaro, J. Woolliams, C. Haley, D. Lanari

15.15/15.30

**Growth performance of sea bass fed increasing levels of pea-wheat protein in diets varying in fish meal quality**

F. Tulli, M. Messina, M. Calligaris, E. Tibaldi

15.30/15.45

Varying plant protein sources in the diet of sea bass *Dicentrarchus labrax* differently affect lipid metabolism and deposition

M. Messina, F. Tulli, C. Messina, E. Tibaldi

15.45/16.00

Lipid traits and dietary quality of sea bass fillets from Orbetello

B.M. Poli, R. Abbate, G. Parisi, A.M. Gori, F. Sofi, L. Mannini, G. Giorgi, D. Michelotti, A. Bonelli

16.00/16.15

Cloning and expression analysis of myostatin, fibroblast growth factor 6, insulin-like growth factor I and II in liver and muscle of sea bass (*Dicentrarchus labrax*, L.) during long-term fasting and refeeding

G. Terova, S. Rimoldi, R. Gornati, G. Bernardini, M. Saroglia

16.15/16.30

Poly-chlorinated biphenyls (PCB) in European sea bass from different rearing systems

T. Trocino, G. Xiccato, M. Fragkiadakis, L. Carraro, D. Majolini

16.30/16.45

Response of captive seabass and seabream as behavioural indicator in aquaculture

G. Sarà, A. Oliveri, G. Martino, S. Serra, G. Meloni, A. Pais

16.45/17.00

Morphological, nutritional and safety traits of bluefin tuna (*Thunnus thynnus*) reared in floating cages

G. Parisi, M. Mecatti, P. Lupi, G. Giorgi, D. Michelotti, I. Galigani, B.M. Poli

17.00/17.15

Effect of stocking density and protein/fat ratio of the diet on growth of Dover sole (*Solea solea*)

G. Piccolo, S. Marono, E. Badini, A. Guglielmelli, F. Morra, A. Nizza

17.15/17.30

A Meramod model approach for the Environmental Impact Assessment (EIA) of the off-shore aquaculture improvement in the Alghero Bay (North western Sardinia, Italy)

F. Brambilla, A. Pais, S. Serra, G. Terova, M. Saroglia

17.30/17.45

Polyculture as a tool to increase the economic income: a study case in the Gulf of Castellammare

A. Zenone, G. Sarà

17.45/18.00

Morphometric characteristics of "Tinca Gobba Dorata del Pianalto"

L. Gasco, C. Sabia, C. Lussiana, K. Guo

GIOVEDÌ 31 MAGGIO, ORE 14.30  
SALA GINESTRA

## SHEEP AND GOAT PRODUCTION: MILK AND CHEESE

Chairmen

Guido Ferruzzi, Adriana Bonanno

14.30/15.00

MAIN LECTURE: Ewe welfare and ovine milk and cheese quality

A. Sevi

15.00/15.15

Quality of lipid fraction in Tuscan sheep cheese (Pecorino Toscano DOP)

A. Buccioni, S. Rapaccini, S. Minieri, M. Antongiovanni

15.15/15.30

Effect of chestnut tannin in the diet of lactating ewes on milk and cheese quality

F. Petacchi, A. Buccioni

15.30/15.45

Effect of season on characteristics of pecorino cheese and ricotta of Pistoiese Appennine: first results.

L. Pianaccioli, A. Acciaioli, R. Malvezzi, L. Giustizi

15.45/16.00

Molecular characterization of dominant bacterial population in “Vastedda della Valle del Belice” cheese: preliminary investigation

S. Reale, F. Vitale, M.L. Scatassa, S. Caracappa, V. Currò, M. Todaro

16.00/16.15

A survey on the milk fatty acid composition of forty dairy sheep flocks in Sardinia

M. Addis, A. Cabiddu, M. Decandia, M. Fiori, S. Spada, C. Bulleddu, R. Cammelli, A. Caria, V. Lai, G. Lutzoni, A. Natale, P. Oppia, C. Pintus, A. Spiga, G. Piredda, C. Porqueddu, G. Molle

16.15/16.30

Factors associated with milk urea concentrations in Girgentana goats

P. Giaccone, M. Todaro, M.L. Scatassa

16.30/16.45

Endocrine and metabolic traits in goat kids around weaning

D. Magistrelli, G. Polo Dimel, F. Rosi

16.45/17.00

Contribution of macrophages to plasmin activity in ewe bulk milk

M. Caroprese, L. Schena, A. Marzano, R. Marino, A. Sevi, M. Albenzio

17.00/17.15

The effect of heat load on nutrient utilization and blood parameters of Awassi sheep and Kilis goat fed different levels of concentrate feed

A. Can, N. Denek, M. Şeker

17.15/17.30

Effect of Weather Conditions on Somatic Cell Score in Sicilian Valle del Belice Ewes

R. Finocchiaro, J.B.C.H.M. van Kaam, B. Portolano

17.30/17.45

Effects of heat stress and diet on milk production and feed and energy intake of Sarda ewes

I. Peana, G. Fois, A. Cannas

17.45/18.00

Out of season sheep milk production in Sardinia

M. Piras, S. Ligios, M. Sitzia, N. Fois

18.00/18.15

Effects of low vacuum levels on vacuum dynamics during milking

A. Pazzona, M. Caria, L. Murgia, L. Sistu

18.15/18.30

Machine milking management and milk nitrogen fractions in primiparous ewes

S.P.G. Rassu, E.A. Cannas, P. Nicolussi, A. Nudda, G. Pulina

18.30/18.45

Short-term adaptive response in strongly versus weakly lateralized dairy ewes

M. Morgante, M. Giancesella, C. Stelletta, E. Versace, C. Cannizzo, L. Ravarotto, G. Vallortigara

**GIOVEDÌ 31 MAGGIO, ORE 14.30**

**SALA OLEANDRO**

## **CATTLE PRODUCTION: BEEF**

Chairmen

Sergio Gigli, Carla Lazzaroni

14.30/15.00

**MAIN LECTURE:** Present situation and future challenges of beef cattle production in Italy and the role of the research

G. Cozzi

15.00/15.15

Use of Narbonne vetch grain (*Vicia narbonensis*) in Charolaise bull feeding: effect on in vitam and post mortem performances and on quality of meat

V. Chiofalo, M. Cavallaro, S. Vasi, L. Sanzarello, R. Ordile, B. Pecorino

15.15/15.30

Growth performance and behaviour of finishing beef cattle illegally treated with growth promoters

M. Brscic, S. Miotello, A. Mazzenga, G. Cozzi, F. Gottardo

15.30/15.45

Haematic parameters of Maremmana breed

P. Lupi, C. Sargentini, G. Zampacavallo, P. Degl'Innocenti, A. Martini

15.45/16.00

Effect of castration age on weight and size of some muscles in Piemontese male cattle

C. Lazzaroni, D. Biagini

16.00/16.15

Effect of castration age on weight and size of some bones in Piemontese male cattle

D. Biagini, C. Lazzaroni

16.15/16.30

In Vivo and post-mortem performances of Marchigiana and Romagnola Breeds

M. F. Trombetta, S. Mattii, A. Falaschini, F. Sbarra, R. Palazzo, F. Filippini

16.30/16.45

Stress indicators in steers at slaughtering

E. Micera, S. Dimatteo, M. Grimaldi, G. Marsico, A. Zarrilli

16.45/17.00

Use of near infrared spectroscopy for assessment of beef quality traits

M. De Marchi, P. Berzaghi, A. Boukha, M. Mirisola, L. Gallo

17.00/17.15

The Hypertrophic Marchigiana: physical and biochemical parameters for meat quality evaluation

F. Vincenti, S. Failla, S. Gigli, E. Lasagna, V. Landi, A. Mangione, C. Berti, F. M. Sarti

17.15/17.30

Performance at Slaughtering of Marchigiana Beef Cattle

F. Filippini, F. Sbarra, C. Berti, G. Martuscelli, S. Mattii, M. Federica Trombetta

17.30/17.45

Effect of packaging and aging time on shelf-life of beef meat

S. Ballico, S. Failla, M. Iacurto, M. Contò, F. Signorelli, A. Ficco

17.45/18.00

The use of corn silage in diets for beef cattle of different genotype

A. Mazzenga, M. Brscic, G. Cozzi

18.00/18.15

Maize Meal Supply in Finishing Bull Farms: Physical and Chemical Variability

D. Settineri, K. Carbone, M. Iacurto

18.15/18.30

Intramuscular fatty acid composition in beef from Aosta cattle breeds

A. Brugiapaglia, G. Destefanis, E. Zanardi, M. T. Barge

VENERDI 1 GIUGNO 2007

SALA OLEANDRO + GINESTRA

## Simposio

### ATTIVITÀ ZOOTECNICHE E SICUREZZA ALIMENTARE: LE SFIDE DELLA GLOBALIZZAZIONE

9.00/9.30

Presentazione del Simposio

Dr. Aldo Marongiu

Istituto Zooprofilattico Sperimentale della Sardegna

9.30/10.00

Tecniche di allevamento, alimentazione e sicurezza alimentare

Prof. Igino Andrighetto

Università di Padova, Istituto Zooprofilattico Sperimentale delle Venezie

10.00/10.30

Influenza aviaria: ricadute sul sistema produttivo e sulla domanda dei prodotti avicoli

Prof. Achille Franchini

Università degli Studi di Bologna

10.30/11.00

OGM: conoscere per scegliere

Prof. Giorgio Poli

Università degli Studi di Milano

11.00/11.30

COFFEE BREAK

11.30/12.00

**La qualità dell'ambiente quale pre-requisito sanitario nell'allevamento degli animali da reddito**

Dr. Gianfranco Brambilla

Istituto Superiore di Sanità

12.00/12.30

**Benessere animale e sicurezza alimentare**

Dr. Jordi Serratosa

European Food Safety Authority

12.30/13.30

**Discussione**

13.30/13.45

**Verifica con questionario dell'apprendimento dei partecipanti**

13.45/14.00

**Conclusioni**

## POSTERS

### GENETICS AND BREEDING [30 maggio]

- GB 1 - 30 A new system for animal products traceability and authentication: use of DNA analysis natural tracers and example of application to dry crude hams  
L. Fontanesi, M. Pancaldi, E. Carboni, F. Beretti, A. Paganelli, G. Righini, R. Davoli, S. Ravaglia, A. Salvi, V. Russo
- GB 2 - 30 Nero Siciliano pig: analysis of coat colour affecting genes and perspectives for breed traceability  
E. D'Alessandro, L. Fontanesi, L. Liotta, R. Davoli, V. Chiofalo, V. Russo
- GB 3 - 30 Traceability of the PGI product "Vitellone Bianco dell'Appennino Centrale" by SNP markers  
R. Negrini, E. Milanese, F. Filippini, S. Dunner, H. Leveziel, J. Williams, A. Valentini, P. Ajmone-Marsan
- GB 4 - 30 Assessment of variability of genes associated with meat quality traits in Cinta Senese pigs  
A. Crovetto, R. Bozzi, L. Nardi, O. Franci, L. Fontanesi
- GB 5 - 30 Genetic diversity and relationship among the three autochthonous Sicilian donkey populations assessed by microsatellite markers  
A.M. Guastella, A. Zuccaro, S. Bordonaro, A. Criscione, D. Marletta, G. D'Urso
- GB 6 - 30 Genetic variability of three local cattle breeds (Calvana, Pontremolese, Garfagnina) by STR analysis  
R. Ciampolini, F. Cecchi, E. Ciani, E. Mazzanti, M. Tancredi, B. Matteoli, S. Presciuttini, D. Cianci
- GB 7 - 30 Mitochondrial DNA diversity of five Italian autochthonous donkey breeds  
M. Pellecchia, L. Colli, D. Bigi, P. Zambonelli, A. Verini Supplizi, L. Liotta, R. Negrini, P. Ajmone Marsan
- GB 8 - 30 Analysis of the melanocortin receptor 1 (MC1R) gene in Sicilian goat breeds  
F. Beretti, R. Finocchiaro, B. Portolano, R. Davoli, V. Russo, L. Fontanesi
- GB 9 - 30 Local sheep breeds from peninsular Southern Italy: breeding and demography  
F. Cecchi, R. Ciampolini, D. Cianci, D. Matassino, A. Rando, A. Sevi
- GB 10 - 30 Morphological characterization of the Amiata donkey breed through the data reported in the Anagraphic Register  
F. Cecchi, R. Ciampolini, E. Ciani, E. Mazzanti, M. Tancredi, S. Presciuttini

- GB 11 - 30 Analysis of 22 mutations within milk protein genes in Italian Friesian Cattle  
S. Chessa, D. Rignanese, G. Ceriotti, A. Caroli, B. Castiglioni, G. Pagnacco
- GB 12 - 30 Polymerase Chain Reaction - Single Strand Conformation Polymorphism (PCR-SSCP) analysis of goat  $\alpha$ S2-casein  
F. Chiatti, D. Rignanese, S. Chessa, P. Bolla, A. Caroli
- BG 13 - 30 Beta-lactoglobulin polymorphism in Girgentana goat breed  
M. T. Sardina, R. Finocchiaro, M. Siwek, R. Davoli
- GB 14 - 30 The QuaLAT project: mapping QTL for milk fatty acid content in the Italian Brown population and in the Israel Holstein Friesian  
F. Schiavini, V. La Mattina, A.B. Samoré, A. Rossoni, Y. Ungar, E. Kashi, E. Shimoni, R. Tal, E. Lipkin, M. Soller, A. Bagnato
- GB 15 - 30 Characterization of single-nucleotide polymorphisms in 20 genes affecting milk quality in cattle, sheep, goat and buffalo  
C. Marchitelli, A. Crisà, L. Pariset, F. Napolitano, L. Orrù, A. Valentini
- GB 16 - 30 Investigation of the Agouti gene for the identification of useful markers for coat colour association studies in domestic rabbits  
L. Fontanesi, M.P. Laforêt, D. Allain, S. Deretz, M. Tazzoli, V. Russo, A. Oulmouden
- GB 17 - 30 Genotyping of H-FABP loci in two pig ancient autochthonous genetic types: Calabrese and Casertana  
D. Matassino, N. Castellano, C. Incoronato, M. Occidente, L. Ricciardi, C.M.A. Barone
- GB 18 - 30 Genetic characterization of Calabrese and Casertana pig ancient autochthonous genetic types (AAGT) at CRC locus  
D. Matassino, N. Castellano, C. Incoronato, M. Occidente, L. Ricciardi, C.M.A. Barone
- GB 19 - 30 Transcriptomic and proteomic analysis of cattle breeds selected for different purposes  
L. Pariset, G.M. D'Amici, A. Crisà, C. Marchitelli, M.C. Bavarese, L. Zolla, M. Miarelli, A. Valentini
- GB 20 - 30 Analysis of skeletal muscle tissue expression profiles in pig to identify genes involved in meat quality traits: effect of stress conditions before slaughtering in different pig breeds  
S. Schiavina, M. Colombo, J. Hedegaard, H. Hornshøj, R. Davoli, L. Fontanesi, A. Stella, L. Nanni Costa, C. Bendixen, V. Russo
- GB 21 - 30 Evaluation of different microarray experimental designs for identification of differentially expressed genes in the liver of Casertana and Large White swine breeds  
S. Tramontana, R. Mazza, M. D'Andrea, B. Castiglioni, A. Stella, P. Ajmone-Marsan

- GB 22 - 30 Analysis of a polymorphism within a TATA box of horse myostatin gene promoter in different breeds  
S. Dall'Olio, A. Falaschini, M. Tassinari, G. Canestrai
- GB 23 - 30 Analysis of genetic correlations between multivariate measures of lactation persistency and somatic cell score in Italian Simmental cattle  
D. Vicario, R. Steri, A. Cappio-Borlino, N.P.P. Macciotta
- GB 24 - 30 Slaughtering traits on Marchigiana beef cattle with and without muscle hypertrophy  
E. Lasagna, V. Landi, G. Martuscelli, F. Panella
- GB 25 - 30 In vivo body measures and growth of Holstein Friesian and double muscled Marchigiana or Belgian Blue crosses  
E. Lasagna, F. Vincenti, S. Ceccobelli, F.M. Sarti, F. Panella
- GB 26 - 30 The Breeding Program of the Segureño Meat Sheep Breed  
J.M. León, J. Quiroz, M. Martínez, M.E. Camacho, J. Puntas, J.V. Delgado
- GB 27 - 30 Genetic evaluation for goat breeds Saanen and Alpine Camosciata: Total Merit Index  
P. Fresi, I. Pernazza, A. Stella
- GB 28 - 30 Advances in the Breeding Program of the Murciano-Granadina Dairy Goat Breed  
M. E. Camacho, M. Martínez, J.M. León, J. Quiroz, J. Pleguezuelo, J.V. Delgado
- GB 29 - 30 Costs of selection schemes in small cattle populations  
A. Montironi, A. Stella, F. Panzitta, G. Gandini
- GB 30 - 30 Inbreeding in the Border Collie Italian population  
L. Guidobono Cavalchini, S.P. Marelli, M.G. Strillacci, M. Polli

## **NUTRITION AND FEEDING** [30 maggio]

- NF 1 - 30 Transfer of fatty acids from blood to milk in dairy asses: effect of different fibre sources  
B. Chiofalo, D. Piccolo, C. Maglieri, E. B. Riolo, E. Salimei
- NF 2 - 30 Effect of milk replacers added with microencapsulated organic acids or essential oils on the performance of weaning calves  
M. Spanghero, C. Zanfi, E. Fabbro, N. Scicutella, C. Camellini

**CATTLE PRODUCTION** [30 maggio]

- CP 1 - 30 Volatile fractions and sensory attributes of cheese from intensive and extensive farming systems: results of a survey  
B. Gaspardo, G. Procida, B. Stefanon
- CP 2 - 30 Application of FT-IR spectroscopy to analyze casein in cow milk  
L. Calamari, A. Summer, M.G. Maianti, P. Bani, P. Franceschi, P. Formaggioni
- CP 3 - 30 Feeding behaviour of dairy cows in forced or free cow traffic in Automatic Milking System (AMS)  
L. Calamari, F. Petrera, A. Fava, L. Stefanini
- CP 4 - 30 The influence of  $\beta$ -lactoglobulin genetic polymorphism on morphometric characteristics of milk fat globules and milk fatty acids composition in Italian Friesian cow  
M. Martini, F. Cecchi, C. Scolozzi, F. Salari, F. Chiatti, S. Chessa, A. Caroli
- CP 5 - 30 Proteomic approach to the study of proteolysis in Podolian Caciocavallo cheese. Preliminary results  
D. Matassino, G. Gigante, F. Inglese, G. Serluca, A. Di Luccia
- CP 6 - 30 Semen kinetics at collection. 1. note: comparison among cattle autochthonous genetic types (tga)  
D. Matassino, D. Falasca, G. Gigante, M. Grasso, N. Castellano
- CP 7 - 30 Semen kinetics after cryoconservation. 2. note: comparison among cattle autochthonous genetic types  
D. Matassino, G. Gigante, M. Grasso, N. Castellano
- CP 8 - 30 Effect of cryoconservation times on semen kinetics. 3. note: comparison among cattle autochthonous genetic types  
D. Matassino, G. Gigante, M. Grasso, N. Castellano

**SHEEP AND GOAT PRODUCTION** [30 maggio]

- SGP 1 - 30 Relationship between fat globule size and fatty acid composition in ewe's milk  
M. Martini, M. Mele, C. Scolozzi, F. Salari, P. Secchiari, P. Verità
- SGP 2 - 30 Effect of breed and nutrition on milk quality of sheep  
R. Fortina, A. Ighina, P. Guaraldo, A. Mimosi, C. Lussiana, L.M. Battaglini

- SGP 3 - 30 Volatile compounds of cheese and milk from ewes differently fed (preliminary results)  
S. Minieri, A. Buccioni, M. Antongiovanni, F. Petacchi, S. Rapaccini, A. Degl'Innocenti,  
B. Innocenti, M. Mele, A. Pollicardo
- SGP 4 - 30 Assessment of proteolysis and lipolysis in cheeses made using artisanal lamb rennet paste  
A. Santillo, M. Di Matola, F. Cifuni, M. Pizzillo, S. D'Urso, M. Albenzio
- SGP 5 - 30 Milk quality in autochthonous goat extensively reared in Molise: study of some bio-nutritional components during lactation  
D. Casamassima, R. Pizzo, M. Palazzo
- SGP 6 - 30 Aflatoxin occurrence in goat milk and supplied concentrate feed in farms of Veneto, Trentino and Friuli Venezia Giulia  
E. Saccà, A. Vallati, T. Ruatti, F. Bigaran, E. Piasentier
- SGP 7 - 30 Effects of parity and type of kidding on the quantitative and qualitative milk characteristics of "Rossa Mediterranea" goats  
A. Zumbo, A. R. Di Rosa
- SGP 8 - 30 Production system and seasonal effects on textural properties of two-month ripened goat's cheese  
S. Bovolenta, N. Di Bernardo, R. Valusso, W. Ventura, F. Ronchietto

### **HORSE PRODUCTION** [30 maggio]

- HP 1 - 30 Kinematics of gaits in Bardigiano Horses  
F. Martuzzi, S. Gosi, F. Vaccari Simonini, A.L. Catalano
- HP 2 - 30 Morphological traits of the "Pantesco" donkey  
A.R. Di Rosa, C. Amato, A. Zumbo

### **RABBIT AND POULTRY PRODUCTION** [30 maggio]

- RPP 1 - 30 Assessment of a reproduction rhythm based on the body condition of rabbit doe: preliminary results  
A. Dal Bosco, R. Cardinali, C. Mugnai, C. Castellini
- RPP 2 - 30 NIRS discrimination of broiler rabbits fed with increasing levels of false flax (*Camelina sativa* L.) seeds in relationship to the fatty acid profiles  
G. Masoero, G. Sala, G. Meineri, P.G. Peiretti

- RPP 3 - 30 Evaluation of skin temperature change as stress indicator in rabbit through infra-red thermography  
Luzi F., Ludwig N., Gargano M., Milazzo M., Careni C., Verga M.
- RPP 4 - 30 A procedure for rabbit blood serial collection  
M. L. Marongiu, A. Gulinati, B. Floris
- RPP 5 - 30 The He-Ne laser irradiation improves the quality of stored rabbit semen  
N. Iaffaldano, M.P. Rosato, M. Gambacorta, A. Manchisi, R. Pizzuto, G. Paventi, S. Passarella
- RPP 6 - 30 Effect of diet thermal treatment on excretion and digestibility in broiler chickens  
A. Dalle Zotte, A. Auvergne
- RPP 7 - 30 Nutritional and sensorial meat quality of different selected Japanese quails (*Coturnix coturnix japonica*)  
M. Bednarczyk, A. Paolone, G. Ricciuto, J. Baumgartner, J. Benkova, G. Elminowska-Wenda, Z. Končerková, A. Rutkowski, G. Maiorano
- RPP 8 - 30 Effect of rearing systems on combs, wattles and shanks colour in layers: preliminary results  
S. Lolli, V. Ferrante, G. Vezzoli, S.P. Marelli and L.G. Cavalchini

### OTHER SPECIES [30 maggio]

- OS 1 - 30 Hind body condition and weight in primiparous of Iberian red deer (*Cervus elaphus hispanicus*) with one, two or three years old at mating  
D. Carrión, A.J. García, T. Landete-Castillejos, E. Gaspar-Lopez, F. Ceacero, J.A. Estevez, L. Gallego
- OS 2 - 30 Growth in calves of Iberian red deer (*Cervus elaphus hispanicus*)  
E. Gaspar-López, A.J. García, T. Landete-Castillejos, D. Carrión, J.A. Estévez, F. Ceacero, L. Gallego 1,3.
- OS 3 - 30 Seasonal changes in mineral intake and first antler growth in Iberian red deer (*Cervus elaphus hispanicus*)  
A. Estévez, F. Ceacero, T. Landete-Castillejos, A.J. García, D. Carrión, E. Gaspar-López, L. Gallego
- OS 4 - 30 Do feeding and health management influence antler chemical composition and mechanical properties in Iberian deer?  
T. Landete-Castillejos, J. Currey, J.A. Estévez, A.J. García, E. Gaspar-López, F. Ceacero, D. Carrión, L. Gallego

## GENETICS AND BREEDING [31 maggio]

- GB 1 - 31 Cell cultures harbouring constructs of different pig promoter polymorphisms show different transcriptional efficiency in gene reporter systems  
A. Crisà, D. Willems, M.C. Savarese, M.S. D'Andrea, A. Nardone, A. Valentini
- GB 2 - 31 Polymorphism of goat PrP gene in Northern and Southern Italian breeds  
P.L. Acutis, G. Santagada, S. Colussi, M.G. Maniaci, P. Sacchi, C. Laurenza, M.V. Riina, S. Peletto, F. Zuccon, M. Caramelli, R. Rasero
- GB 3 - 31 Structure of cattle, sheep, goat and buffalo populations using single nucleotide polymorphisms in genes affecting lipid metabolism  
C. Marchitelli, L. Pariset, A. Crisà, S. Scardigli, F. Napolitano, B. Moioli, A. Valentini
- GB 4 - 31 Mutations in the bovine prolactin receptor (PRLR) gene: allele and haplotype frequencies in the Reggiana cattle breed  
E. Scotti, L. Fontanesi, V. Russo
- GB 5 - 31 Investigation of the DGAT1 K232A and VNTR mutations in dairy and dual purpose cattle breeds  
L. Fontanesi, E. Scotti, F. Schiavini, V. La Mattina, R. Davoli, V. Russo, A. Bagnato
- GB 6 - 31 Stearoyl CoA desaturase gene polymorphism in Italian cattle breeds  
Milanesi E., Nicoloso L., Crepaldi P.
- GB 7 - 31 The genetic resistance to gastro-intestinal strongylids in Appenninica sheep: relationship among parasitological load and haematological parameters  
F. Cecchi, R. Ciampolini, F. Macchioni, C. Sebastiani, G. Venditti, E. Ciani, B. Paternes, E. Mazzanti, F. Urbani, D. Cianci
- GB 8 - 31 Identification of mutations in the bovine KIT gene, a candidate for the Spotted locus in cattle  
M. Tazzoli, J. E. Beever, L. Fontanesi, V. Russo
- GB 9 - 31 Ancient DNA from domestic animal species remains: preliminary approaches  
L. Nicoloso, E. Milanesi, A. Spinetti, D. Marrazzo, N. Degasper, M. Bassetti, L. Endrizzi, E. Mottes, C. Bassi, P. Crepaldi
- GB 10 - 31 Polymorphisms within the Toll-like receptor (Tlr)-2, -4, and -6 genes in cattle  
L. Pariset, M. Mariotti, C. Marchitelli, A. Crisà, F. Napolitano, S. Failla, G. De Matteis, A. Valentini
- GB 11 - 31 Identification of putative genes involved in bovine spastic paresis through microarray analysis  
L. Pariset, I. Cappuccio, M.C. Savarese, A. Gentile, F. Filippini, P. Ajmone-Marsan, A. Va-

- lentini
- GB 12 - 31 Study of Fatty Acid Synthase and Adiponectin SNPs in the Italian Duroc breed  
R. Davoli, S. Dall'Olio, P. Zambonelli, L. Buttazzoni, V. Russo
- GB 13 - 31 Analysis of livestock DNA using nanotechnologies  
R. Mazza, S. Tramontana, P. Bergese, G. Oliviero, L. Depero, P. Ajmone-Marsan
- GB 14 - 31 In silico candidate gene mining in livestock species  
A. Stella, A. Montironi, F. Panzitta, G. Gandini, P.J. Boettcher
- GB 15 - 31 Single Nucleotide Polymorphisms in collagen genes and association with skin quality trait  
S. Tramontana, L. Silveri, L. Nicoloso, F. Chegdani, J. Bernardi, R. Negrini, F. Piccioli-Cappelli, P. Ajmone-Marsan, G. Bertoni

### **NUTRITION AND FEEDING** [31 maggio]

- NF 1 - 31 Application of the cDNA-AFLP method for studying gene expression in *Fibrobacter succinogenes* S85 exposed to 134.2 kHz electromagnetic field  
K. Cappelli, C. Antonini, A. Verini-Supplizi, M. Tralbalza-Marinucci
- NF 2 - 31 Particle size evaluation of total mixed rations in intensive beef production systems  
P.P. Danieli, A. Sabatini, G. Capitani, U. Bernabucci, B. Ronchi
- NF 3 - 31 Nutritive value of cereals grown in Apulian places  
F. Giannico, A. Caputi Jambrenghi, L. Tedone, M.A. Colonna, L. Marvulli, G. Vonghia
- NF 4 - 31 Raw and extruded field beans (*Vicia faba* var. *minor*) as alternative protein sources in heavy lamb diets  
M. Ragni, F. Toteda, A. Vicenti, A. Facciolongo, L. Melodia
- NF 5 - 31 Use of sweet lupin (*Lupinus albus* L.) as alternative protein source in diets for podolian young bulls  
M. Ragni, A. Vicenti, F. Toteda, L. Di Turi, A. Facciolongo, M. Lacitignola
- NF 6 - 31 Headspace analysis of volatile metabolites of *Aspergillus ochraceus* and *Aspergillus parasiticus*  
L. Rizzi, R. Paganelli, M. Simioli
- NF 7 - 31 Safewastes by-products: in vitro effects on piglet gut flora  
S. Stella, D. Tedesco, D. Cattaneo, L. Garavaglia, C. Barbieri

## CATTLE PRODUCTION [31 maggio]

- CP 1 - 31 Effect of pre-harvest feeding on market dairy cow carcass performance  
M. Chahine, J. Allen, J.K. Ahola
- CP 2 - 31 European cattle breed cluster accordingly to their meat quality parameters  
A. Valentini, A. Nardone, A. Crisà, C. Marchitelli, S. Failla, S. Gigli, P. Alberti, C. Sanudo, G. Nutte, P. Ertbjerg, J.F. Hocquette, J. Williams
- CP 3 - 31 Meat quality traits of Marchigiana cattle beef  
M. F. Trombetta, S. Mattii, F. Sbarra, C. Berti, G. Martuscelli, F. Filippini

## SHEEP AND GOAT PRODUCTION [31 maggio]

- SGP 1 - 31 Thermographic study of the ovine mammary gland during different working vacuum levels  
C. Stelletta, L. Murgia, M. Caria, M. Giancesella, A. Pazzona, M. Morgante
- SGP 2 - 31 Antibiotics mastitis therapy: drug residue in lambs  
C. Testa, G. Marogna, L. Secchi, N. Rubattu, G. Leori, G. Calaresu
- SGP 3 - 31 Milk characteristics of grazing sheep fed with different hay/concentrate ratio  
G. Ferruzzi, L. Casarosa, G. Balestri, P. Poli, L. Andreotti, A. Pistoia
- SGP 4 - 31 Effects of housing conditions on the welfare of lactating ewes  
G. Annicchiarico, M. Caroprese, A. Muscio, C. Perilli, A. Sevi, L. Taibi
- SGP 5 - 31 Cold markedly influences milk yield of Sardinian dairy sheep farms  
I. Peana, C. Dimauro, M. Carta, M. Gaspa, G. Fois, A. Cannas
- SGP 6 - 31 Effects of heat stress on milk yield in Sardinian dairy sheep farms  
I. Peana, C. Dimauro, M. Carta, M. Gaspa, G. Fois, A. Cannas
- SGP 7 - 31 Season and altitude effects on milk fatty acid profile in Sarda dairy sheep flocks  
N.P. Mangia, M.A. Murgia, G. Garau, R. Rubattu, A. Nudda
- SGP 8 - 31 Maternal and fetal fatty acid composition in ovine muscle tissues  
A. Nudda, N. Castanares, A. Mazzette, G. Canu, G.A. Carboni, G. Pulina
- SGP 9 - 31 Post-shearing management and milk production and quality in Sarda ewes  
S.P.G. Rassu, A. Mazzette, P. Nicolussi, G. Battacone, G. Enne, G. Pulina
- SGP 10 - 31 Sarda female lambs bred at pasture: growth rate from weaning to reproductive activity  
M. Acciaro, M. Sitzia, N. Fois

- SGP 11 - 31 Efficiency of FAME analysis with SP-2380 capillary column in lamb meat  
A. Sepulcri, S. Favotto, E. Piasentier
- SGP 12 - 31 Proteomic characterization of electrically stimulated and aged meat of heavy kids  
D. Matassino, D. Consolante, F. Inglese, A. Zullo, A. Di Luccia, C.M.A. Barone

### PIG PRODUCTION [31 maggio]

- PP 1 - 31 Reproductive parameters of “Nero di Parma” sows reared outdoor and indoor  
A. Sabbioni, V. Beretti, A. Zanon, P. Superchi, R. Manini, C. Cervi
- PP 2 - 31 Nero Siciliano pig: effect of the diet on meat quality  
B. Chiofalo, V. Lo Presti, D. Piccolo, G. Arena
- PP 3 - 31 Influence of the feeding system on in vitam and post mortem performances of Nero Siciliano pigs  
E. D’Alessandro, L. Liotta, M. Pagliaro, V. Chiofalo
- PP4 - 31 Volatile fractions and sensory attributes of San Daniele ham  
B. Gaspardo, G. Procida, B. Stefanon
- PP5 - 31 Biogenic amine producing capability of bacterial populations isolated during processing of different types of dry fermented sausages  
S. Guerrini, S. Mangani, O. Franci, M. Vincenzini
- PP6 - 31 Nutritional and physicochemical meat properties of wild boar (*Sus scrofa ferus*) x Duroc pig slaughtered to different live weights  
W. Kapelański, L. Costanza, M. Bocian, K. Siemieniecka, G. Maiorano
- PP7 - 31 Milk composition of “Nero Siciliano” sow. Preliminary results  
L. Liotta, G. Madonia, B. Chiofalo, S. Margiotta, E. B. Riolo, V. Chiofalo
- PP 8 - 31 Slaughter traits of “Sarda” and “Nero Siciliano” pigs reared outdoors. Preliminary results  
G. Madonia, S. Porcu, L. Liotta, S. Margiotta, V. Chiofalo, S. Ligios
- PP 9 - 31 A survey on the characteristics of sausage made from Sicilian and Sardinian native pigs  
G. Madonia, S. Porcu, C. Diaferia, Carta A., S. Margiotta, Pirone G., E. Daga, S. Ligios
- PP 10 - 31 Physical characteristics of Longissimus lumborum muscle of “Sarda” and “Nero Siciliano” pigs reared outdoor. Preliminary results  
S. Porcu, G. Madonia, L. Liotta, S. Margiotta, V. Chiofalo, S. Ligios

- PP 11 - 31 Performance of Large White x Duroc pigs reared indoors and outdoors: meat and fat quality  
C. Russo, A. Pistoia, G. Preziuso, M. D'Agata, G. Ferruzzi
- PP 12 - 31 Does the application of directive 2001/93/EC improve pigs welfare and productive performances?  
M. Tarantola, M. Matton, C. Bellino, G. Barbero, E. Castell, D. Dutto

### AQUACULTURE [31 maggio]

- A 1 - 31 Welfare and quality of farmed trout fed high plant protein diets. 3. Alternative indicators to evaluate stress in fish  
D. Bertotto, C. Poltronieri, G. Radaelli, E. Negrato, B.M. Poli, E. Tibaldi, C. Simontacchi
- A 2 - 31 The influence of different levels of soybean meal in diets for ongrowing gilthead sea bream (*Sparus aurata*) and European sea bass (*Dicentrarchus labrax*)  
A. Bonaldo, A.J. Roem, L. Mariani, P. Fagioli, A. Pecchini, L. Parma, P.P. Gatta
- A 3 - 31 Preliminary trials to rear the copepod *Temora stylifera* as food for fish larvae  
I. Buttino, G. Sansone, S. Buono, V. Vitiello, M.G. Malzone, C. Rico
- A 4 - 31 Modelling growth and reproduction of a crayfish species under a re-circulation system  
E. D'Agaro
- A 5 - 31 *Mytilus galloprovincialis* Lamark: influence of month of collection and culture area on morphometric and quality characteristics  
A. Falaschini, I. Preti, M.F. Trombetta
- A 6 - 31 Natural and synthetic pigments used in the pink-red coloration of salmon flesh: methodology of quali-quantitative assessments and sampling results  
A. Felici, P. Melotti, A. Roncarati, C. Bianchi, I. Forlini, A. Dees
- A 7 - 31 Quality and quality changes during refrigerated storage in diploid and triploid oysters from Orbetello Lagoon (Italy)  
G. Parisi, G. Giorgi, D. Michelotti
- A 8 - 31 Animal fouling as an indicator of water quality in the fish farmed areas  
M. Lo Martire, G. Sarà
- A 9 - 31 Physical and organoleptic traits in commercial size bluefin tuna (*Thunnus thynnus*) reared in floating cage  
M. Mecatti, P. Lupi, G. Parisi, G. Giorgi, D. Michelotti, I. Galigani, B.M. Poli

- A 10 - 31 Welfare and quality of farmed trout fed high plant protein diets. 2. Innovative killing method effect on stress and quality indicators  
M. Mecatti, G. Parisi, P. Lupi, G. Zampacavallo, G. Giorgi, D. Michelotti, F. Riccio, C. Simontacchi, E. Tibaldi, B.M. Poli
- A 11 - 31 Reproduction and larval rearing of chub (*Leuciscus cephalus* L.): comparison between different broodstocks origin  
O. Mordenti, A. Roncarati, A. Dees, P. Melotti
- A 12 - 31 Suspended culture of *Ostrea edulis* (Bivalvia, Ostreidae) in the Calich lagoon (North western Sardinia, Italy): preliminary results  
A. Pais, L.A. Chessa, S. Serra, A. Ruiu, G. Meloni
- A 13 - 31 Quality traits of *Procambarus clarkii* (Girard) related to sex and refrigerated storage  
G. Parisi, E. D'Agaro, D. Michelotti, G. Giorgi, I. Galigani.
- A 14 - 31 Effects of ration size and temperature on growth and metabolic parameters of juvenile noble crayfish *Astacus astacus* L.  
B. Renai, F. Gherardi, E. D'Agaro
- A 15 - 31 Growth performance and stress response of common sole subjected to varying stocking densities and rearing temperatures  
E. Tibaldi, R. Salvatori, G. Cardinaletti, G. Mosconi, M. Calligaris
- A 16 - 31 Welfare and quality of farmed trout fed high plant protein diets. 1. Growth performance and quality traits  
F. Tulli, M. Messina, M. Calligaris, B.M. Poli, C. Simontacchi, E. Tibaldi

## Informazioni generali

### Sede del Congresso

Il Congresso si svolgerà dal 29 maggio al 1° giugno 2007 ad Alghero presso il Centro Congressi dell'Hotel Calabona (località Calabona), tel. 079 975728 - [www.hotelcalabona.it](http://www.hotelcalabona.it)

### Segreteria in sede congressuale

La Segreteria Organizzativa sarà a disposizione dei partecipanti, presso il Centro Congressi dell'Hotel Calabona a partire dalle ore 12.30 del 29 maggio 2007 e nei giorni successivi sino alla conclusione dei lavori.

### Quote di iscrizione

Le quote si intendono incluse di Iva 20%

Intera	euro 480,00
Socio	euro 360,00
Dottorando, borsista, assegnista, studente (allegare adeguata certificazione)	euro 240,00

La quota di iscrizione totale per congressisti, soci, dottorandi, borsisti, assegnisti e studenti dà diritto a: atti del congresso, kit congressuale, attestato di partecipazione, coffee breaks, cocktail di benvenuto del 29 maggio 2007.

La quota di iscrizione giornaliera è di euro 156,00 (euro 96,00 se si tratta di dottorando, borsista, assegnista, studente).

La quota di partecipazione al Simposio del 1° giugno 2007 (accreditato ai fini dell'ECM) è di euro 120,00.

## Informazioni tecniche

Sarà disponibile esclusivamente il servizio tecnico di videoproiezione da PC (Power Point) nelle versioni per Office 2000 su CD o penna USB.

I CD dovranno essere consegnati al tecnico presente in ogni singola Sala prima dell'inizio di ogni sessione scientifica.

Il ritiro dei CD sarà a cura dei singoli Relatori.

## Informazioni scientifiche

### Norme per la presentazione dei lavori

#### COMUNICAZIONI ORALI

Per le comunicazioni orali, per ognuna delle quali sono previsti al massimo 15 minuti (10 di esposizione, il resto per la discussione) sarà a disposizione in ogni sala un videoproiettore collegato ad un computer. Per le relazioni di apertura delle sessioni sono previsti al massimo 30 minuti (20-25 di esposizione, il resto per la discussione).

Le presentazioni dovranno essere preparate (**slides in lingua inglese**) con il programma Microsoft PowerPoint per Windows e contenute in una pen drive o in un CD-ROM.

L'esposizione delle comunicazioni sarà in italiano (o in inglese per gli autori stranieri).

#### POSTER

I poster, affissi a cura degli Autori (la mattina del 30 maggio per la prima sessione poster e la mattina del 31 maggio per la seconda sessione poster) negli appositi spazi identificabili dai numeri riportati sul programma definitivo, dovranno avere una dimensione massima di 90 x 120 cm (lato maggiore verticale). Gli Autori sono pregati di disallestire il proprio poster al termine di ogni singola sessione.

I poster andranno redatti in lingua inglese. Gli Autori dovranno essere presenti vicino al loro poster, per rispondere ad eventuali domande, nelle due pause di coffee break previste dalle 10.30 alle 11.15 dei giorni 30 e 31 maggio.

### Attestati di partecipazione ed ECM

Al termine del Congresso verrà rilasciato a tutti i partecipanti regolarmente iscritti un attestato di partecipazione.

Nell'ambito del progetto di Educazione Continua in Medicina è stato richiesto l'accreditamento per la giornata congressuale del 1° giugno 2007 (Simposio "Attività zootecniche e sicurezza alimentare: le sfide della globalizzazione").

Il Ministero della Salute ha riconosciuto i crediti formativi per le seguenti categorie:

**Veterinari:** crediti ECM assegnati n. 2

**Biologi e Chimici:** crediti ECM assegnati n. 3

**Tecnici Sanitari di Laboratorio Biomedico:** crediti ECM assegnati n. 3

Il rilascio della certificazione per crediti formativi ECM è subordinato alla partecipazione all'intero programma formativo e al superamento del questionario finale di apprendimento. Il numero dei crediti non sarà soggetto a riduzioni, aumenti o frazionamenti.

Verrà rilevata la presenza in aula sia in entrata sia in uscita (mediante codice inserito nel badge congressuale) e verranno certificati i crediti solo se il tempo di presenza in aula risulterà essere effettivamente quello previsto per l'evento stesso.

La scheda di iscrizione ECM, la scheda di valutazione e il questionario di apprendimento saranno consegnati all'inizio dell'evento formativo e dovranno essere riconsegnati al termine presso l'apposito punto informativo ECM.

## **Badge**

Si potrà accedere all'area congressuale, all'area espositiva e alle sedute scientifiche solo se si è in possesso di una regolare iscrizione.

Il badge è un documento non cedibile e va esibito al personale di controllo. È l'unico documento valido per ritirare l'attestato di partecipazione.

## **Programma sociale**

### **Cena Sociale**

La Cena Sociale si terrà giovedì 31 maggio 2007 alle ore 21.00 ad Alghero presso la Villa Loreto (costo per persona euro 50,00 IVA inclusa).

Villa Loreto, immersa nel verde, si trova sulla Strada dei Due Mari, a soli 2 Km dal centro abitato della città di Alghero.

Si ringrazia



**MINISTERO POLITICHE  
AGRICOLE E FORESTALI**



**REGIONE AUTONOMA DELLA SARDEGNA**

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ASSESSORATO ALL'AGRICOLTURA E RIFORMA AGRO-PASTORALE  
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