



**A S P A**

**ASSOCIAZIONE SCIENTIFICA DI PRODUZIONE ANIMALE**

**XVIII CONGRESSO NAZIONALE**

*Palermo, 9-12 giugno 2009*

**Programma scientifico**

**Comunicazioni orali**

**Martedì 9 giugno 2009, ore 14.00 – 16.45**  
**Aula n. 9**

**Session: Nutrition and Feeding**

**Chairmen**

Mauro Antongiovanni, Gianni Matteo Crovetto

14.00 – 14.15

**The alpine summer pastures in the Veneto Region: management systems**

Meriem Mrad, Enrico Sturaro, Giampaolo Cocca, Maurizio Ramanzin

14.15 – 14.30

**Effect of species, cultivar and phenological stage of different forage legumes on herbage fatty acid composition**

Andrea Cabiddu, Mauro Decandia, Lorenzo Salis, Giuseppe Scanu, Myriam Fiori, Margherita Addis, Maria Sitzia, Giovanni Molle

14.30 – 14.45

**Energy use efficiency of livestock farms in a mountain area of Sicily**

Dario Giambalvo, Giovanni Alfieri, Gaetano Amato, Alfonso Salvatore Frenda, Placido Iudicello, Luigi Stringi

14.45 – 15.00

**Preliminary research on environmental impact of woodland grazing by pigs**

Alessandro Pistoia, Piera Poli, Laura Casarosa, Gino Balestri, Danilo Mani, Guido Ferruzzi

15.00 – 15.15

**Milk production, feeding systems and environmental impact of dairy cattle farming in Alpine areas: results of a field study**

Chiara Penati, Alberto Tamburini, Massimo Timini, Anna Sandrucci

15.15 – 15.30

**Estimation of nitrogen volatilisation in the bedded-pack of dairy cow barns**

Alberto Stanislao Atzori, Roberta Boe, Patrizia Carta, Antonio Fenu, Gesumino Spanu, Ana Helena Dias Francesconi, Antonello Cannas

15.30 – 15.45

**Characteristics of dairy farms in the North-Eastern part of Italy: rations, milk yield and nutrients excretion**

Matteo Dal Maso, Franco Tagliapietra, Mirko Cattani, Andrea Fracasso, Silvia Miotello, Stefano Schiavon

15.45 – 16.00

**Effects of constant vs variable dietary protein content on milk production and N utilization in dairy cows**

Gianni Matteo Crovetto, Stefania Colombini, Gianni Colombari, Luca Rapetti

16.00 – 16.15

**Effect of forage/concentrate ratio and soybean oil supplementation on *in vitro* fatty acid profile of sheep rumen liquor**

Arianna Buccioni, Mauro Antongiovanni, Sara Minieri, Stefano Rapaccini

16.15 – 16.30

**Effect of weaning and milk replacer feeding on plasma insulin and related metabolites in Saanen goat kids**

Ahmed Atef Auffy, Damiano Magistrelli, Fabia Rosi

16.30 – 16.45

**Feeding evaluation of spontaneous species used by wild ungulates**

Francesco Cervasio, Maria Paola Ponzetta, Giovanni Argenti, Vanessa Di Leo, Chiara Crocetti

**Martedì 9 giugno 2009, ore 14.00 – 17.00**  
**Aula n. 10**

**Session: Animal Welfare, Health and Behaviour**

**Chairmen**

Antonello Cannas, Marcella Avondo

14.00 – 14.30 - Main lecture

**Organic livestock production systems as a model of sustainability development**

Mariano Pauselli

14.30 – 14.45

**Welfare problems in alpine dairy cattle farms in Alto Adige (Eastern Italian Alps)**

Silvana Mattiello, Christine Klotz, Daniela Baroli, Michela Minero, Valentina Ferrante, Elisabetta Canali

14.45 – 15.00

**Efficiency and costs of the health management in an organic dairy farm where we use unconventional medicines**

Giangiacoimo Lorenzini, Andrea Martini, Luca Sabatini, Sara Gallai, Stefano Squilloni, Paolo Tambini, Massimo Casini, Roberto Polidori

15.00 – 15.15

**Conventional and homeopathic treatments in late pregnant goats: effects on metabolic status and immune response**

Pier Paolo Danieli, Nicola Lacetera, Umberto Bernabucci, Bruno Ronchi

15.15 – 15.30

**Stress-induced changes in immune response of dairy ewes**

Mariangela Caroprese, Giovanni Annicchiarico, Giovanni Caternolo, Antonella Santillo, Antonio Muscio, Agostino Sevi

15.30 – 15.45

**Indigenous enzymes and leukocyte in sheep milk are markers of health status and physiology of the mammary gland**

Marzia Albenzio, Francesca D'Angelo, Alessandra Marzano, Laura Schena, Agostino Sevi

15.45 – 16.00

**The evolution of mammary glands at different stages in Sarda dairy ewes: preliminary results**

Giuseppe Pulina, Monica Colitti, Maura Farinacci, Alessandro Mazzette, Giuliana Canu, Natalia Castañares Castro, Anna Nudda

16.00 – 16.15

**Excretion of Aflatoxin M1 in milk of goats fed diet contaminated by Aflatoxin B1**

Alessandro Mazzette, Mauro Decandia, Marco Acciaro, Antonio Fenu, Ana Helena Dias Francesconi, Gianni Battacone

16.15 – 16.30

**Milk production and physiological traits of ewes and goats housed indoor or grazing at different daily timing in summer**

Antonino Di Grigoli, Massimo Todaro, Giuseppe Di Miceli, Maria Luigia Alicata, Giuseppe Cascone, Adriana Bonanno

16.30 – 16.45

**Evaluation of animal welfare and milk production of goat fed on diet containing hydroponically germinating seeds**

Giuseppe Marsico, Elisabetta Micera, Salvatore Dimatteo, Fabrizio Minuti, Arcangelo Vicenti, Antonia Zarrilli

16.45 – 17.00

**Improvement of sheep welfare and milk production fed on diet containing hydroponically germinating seeds**

Elisabetta Micera, Marco Ragni, Fabrizio Minuti, Giuseppe Rubino, Giuseppe Marsico, Antonia Zarrilli

**Martedì 9 Giugno 2009, ore 14.00 – 16.15**  
**Aula n. 12**

**Session: Horse Production - Horses**

**Chairman**

Antonio Lucio Catalano

**14.00 - 14.30 - Main lecture**

**Donkey milk production: state of the art**

Paolo Polidori, Daniela Beghelli, Pierluigi Mariani, Silvia Vincenzetti

**14.30 - 14.45**

**Artificially suckled I.H.D.H (Italian Heavy Draught Horse) foals: in vivo performances and ethograms**

Alessandra Tateo, Pasquale De Palo, Barbara Padalino, Pasquale Centoducati

**14.45 - 15.00**

**Comparison between carcasses of artificially suckled I.H.D.H. (Italian Heavy Draught Horse) foals slaughtered at 6 months and traditional carcasses obtained by foals slaughtered at 11 and 18 months**

Pasquale De Palo, Aristide Maggiolino, Antonia Lestingi, Alessandra Tateo

**15.00 - 15.15**

**Effect of Se source and dose on selenomethionine and selenocysteine levels in blood and plasma of mature horses**

Luigi Calamari, Fiorenzo Piccioli Cappelli, Sara Caré, Gérard Bertin

**15.15 - 15.30**

**Effect of different oils administration on oleic and linoleic serum profile in horses during standardised exercise test on treadmill**

Domenico Gatta, Lucia Casini, Livio Magni, Gian Battista Liponi

**15.30 - 15.45**

**Two-dimensional kinematics in gait evaluation of Bardigiano Horse breeding stock**

Francesca Martuzzi, Alessia Ranieri, Stefano Gosi, Franca Vaccari Simonini, Antonio Lucio Catalano

**15.45 - 16.00**

**Evaluation of saddle and driving aptitudes in Monterufoli pony**

Roberto Tocci, Clara Sargentini, Riccardo Impeduglia, Marco Veronesi, Alessandro Benedettini, Alessandro Giorgetti, Riccardo Bozzi

**16.00 - 16.15**

**Effect of live yeast (*Saccharomyces cerevisiae*) administration on apparent digestibility of horses**

Alessandro Agazzi, Guido Invernizzi, Mariella Ferroni, Andrea Fanelli, Giovanni Savoini

**Mercoledì 10 giugno 2009, ore 8.30 – 10.30**  
**Aula n. 9**

**Session: Nutrition and Feeding**

**Chairman**

Antonella Baldi

**8.30 – 9.00 - Main Lecture**

**Role of sensorial perceptions in feed selection and intake by domestic herbivores**

Antonello Cannas, Alessandro Mereu, Mauro Decandia, Giovanni Molle

**9.00 – 9.15**

**Grains colonized by moulds: fungal identification and headspace analysis of produced volatile metabolites**

Laura Rizzi, Roberta Galuppi, Marco Simioli, Giorgia Canestrari, Cristina Bonoli, Maria Paola Tampieri

**9.15 – 9.30**

**Effect of the presence of two commercial adsorbents in animal feed on Aflatoxin B<sub>1</sub> determination by ELISA kit test**

Antonio Gallo, Maurizio Moschini, Marco Battaglia, Marta Vilas Boas, Francesco Masoero

**9.30 – 9.45**

**Role of alpha-tocopherol in counteracting DNA damage induced by Ochratoxin A in primary porcine fibroblasts**

Eleonora Fusi, Federica Cheli, Raffaella Rebutti, Chiara Pecorini, Filippo Galante, Luciana Rossi, Luciano Pinotti, Antonella Baldi

**9.45 – 10.00**

**Feed particle size evaluation: conventional approach versus digital holography based image analysis**

Anna Campagnoli, Marco Alberto Carlo Potenza, Matteo Alaimo, Alessandro Agazzi, Vincenzo Chiofalo, Alessandro Leone, Vittorio Dell'Orto, Giovanni Savoini

**10.00 – 10.15**

**Study of the chemical and nutritional characteristics of commercial dog foods used as elimination diet for the diagnosis of canine food allergy**

Rebecca Ricci, Michele Berlanda, Sandro Tenti, Lucia Bailoni

**10.15 – 10.30**

**Endocrine pancreas development at weaning in goat kids**

Damiano Magistrelli, Ahmed Atef Auffy, Silvia Modina, Luca Cerri, Fabia Rosi

**10.30 – 11.00 Coffee break**

Mercoledì 10 giugno 2009, ore 11.00 – 12.45  
Aula n. 9

Session: Nutrition and Feeding

Chairman  
Afro Quarantelli

11.00 – 11.15

**“In vivo” and “in vitro” degradability of diets for Parmigiano Reggiano cheese production**  
Federico Righi, Simone Romanelli, Marco Renzi, Afro Quarantelli

11.15 – 11.30

**In vitro digestibility of field pea as influenced by processing methods**  
Paolo Bani, Andrea Minuti, Valentina Ficuciello, Matteo Guerreschi, Giorgia Astorri, Gianluca Galassi

11.30 – 11.45

**Fermentation characteristics of different grain legumes cultivars with the in vitro gas production technique**  
Serena Calabrò, Raffaella Tudisco, Anna Balestrieri, Giovanni Piccolo, Federico Infascelli, Monica Isabella Cutrignelli

11.45 – 12.00

**In vitro fermentation of ten cultivars of barley silage**  
Raffaella Tudisco, Serena Calabrò, Valeria Terzi, Vincenzo Piccolo, Antonietta Guglielmelli, Federico Infascelli

12.00 – 12.15

**The use of near-infrared reflectance spectroscopy (NIRS) in the prediction of chemical composition and in vitro neutral detergent fiber (NDF) digestibility of Italian alfalfa hay**  
Nico Brogna, Maria Teresa Pacchioli, Alessandra Immovilli, Fabrizio Ruoizzi, Ralph Ward, Andrea Formigoni

12.15 – 12.30

**Effects of water extracts from chicory and BHT on the in vitro rumen degradation of feeds**  
Franco Tagliapietra, Mirko Cattani, Matteo Dal Maso, Stefano Schiavon

12.30 – 12.45

**Efficiency of feed nitrogen conversion in dairy cattle herds**  
Davide Biagini, Carla Lazzaroni

**Mercoledì 10 giugno 2009, ore 14.30 – 16.15**  
**Aula n. 9**

**Session: Nutrition and Feeding**

**Chairman**

Paolo Bosi

14.30 – 14.45

**Tannin treated lucerne silage in dairy cow feeding**

Stefania Colombini, Gianni Colombari, Gianni Matteo Crovetto, Gianluca Galassi, Luca Rapetti

14.45 – 15.00

**Iodine carry over in dairy cows: effects of levels of diet fortification and milk yield**

Marco Battaglia, Maurizio Moschini, Gianluca Giuberti, Antonio Gallo, Gianfranco Piva, Francesco Masoero

15.00 – 15.15

**Effect of diets with different content of starch and protein fed to dairy cows in early lactation on milk yield and traits**

Fiorenzo Piccioli Cappelli, Maria Grazia Maianti, Silvia Ferrandi, Luigi Calamari, Paolo Bani

15.15 – 15.30

**Rumen protected choline supplementation in beef cattle: effect on growth performance**

Luciano Pinotti, Claudia Paltanin, Anna Campagnoli, Paolo Cavassini, Vittorio Dell'Orto

15.30 – 15.45

**Effect of different butyrate supplementations on growth and health of weaning pigs challenged or not with E. coli K88**

Paolo Bosi, Stefano Messori, Irma Nisi, Domenico Russo, Luisa Casini, Fabio Coloretti, Koen Schwarzer, Paolo Trevisi

15.45 – 16.00

**Effect of different processing methods on the nutritional characteristics and tannin content of fababean seed (*Vicia faba minor*)**

Guido Ferruzzi, Alessandro Pistoia, Gino Balestri, Laura Casarosa, Piera Poli

16.00 – 16.15

**Impact of NDF content and digestibility of diets based on corn silage and alfalfa on intake and milk yield of dairy cows**

Mauro Spanghero, Cristina Zanfi

**Mercoledì 10 giugno 2009, ore 8.30 – 10.30**  
**Aula n. 10**

**Session: Animal Welfare, Health and Behaviour**

**Chairman**

Piero Susmel

8.30 – 8.45

**Gene expression and protein secretion of apolipoprotein B100 (ApoB100) in transition dairy cows under hot or thermoneutral environments**

Loredana Basiricò, Umberto Bernabucci, Patrizia Morera, Nicola Lacetera, Alessandro Nardone

8.45 – 9.00

**Adrenal responsiveness to a low-dose ACTH challenge in early and late lactating dairy cows**

Erminio Trevisi, Rosanna Lombardelli, Andrea Minuti, Giuseppe Bertoni

9.00 - 9.15

**Blood indices calves: relationship with mother values and changes in the first days of life**

Giuseppe Bertoni, Annarita Ferrari, Alessandra Gubbiotti, Erminio Trevisi

9.15 - 9.30

***In vitro* effects of lactoferrin on intestinal and mammary epithelial cell lines**

Chiara Pecorini, Raffaella Rebucci, Sandrine Truchet, Antonella Baldi

9.30 - 9.45

**Welfare assessment: correlations and integration between a Qualitative Behavioural Assessment and a clinical/health protocol applied in veal calves farms**

Marta Brscic, Françoise Wemelsfelder, Elena Tessitore, Flaviana Gottardo, Giulio Cozzi, Cornelis G. Van Reenen

9.45 - 10.00

**Survey on welfare of dairy cow in tie-stalls in mountain area**

Mirco Corazzin, Simonetta Dovier, Emanuele Bianco, Stefano Bovolenta

10.00 - 10.15

**Effects of pen floor and class of live weight on behavioural and clinical parameters of beef cattle**

Elena Tessitore, Marta Brscic, Aziza Boukha, Paola Prevedello, Giulio Cozzi

10.15 – 10.30

**Behaviour and meat quality of Podolian young bulls**

Ada Braghieri, Giuseppe De Rosa, Marcella Spadetta, Antonio Girolami, Fabio Napolitano

**10.30 – 11.00 Coffee break**

**Mercoledì 10 giugno 2009, ore 11.00 – 13.00**  
**Aula n. 10**

**Session: Animal Welfare, Health and Behaviour**

**Chairmen**

Rossella Di Palo, Leonardo Nanni Costa

**11.00 – 11.15**

**Effects of space availability on productive and reproductive performances in buffalo cows**

Domenico Vecchio, Gaspare Zicarelli, Corrado Pacelli, Fabio Zicarelli, Giuseppe Campanile

**11.15 – 11.30**

**Incidence of pregnancy failures in buffaloes with different rearing system**

Rossella Di Palo, Barbara Ariota, Fabio Zicarelli, Marina De Blasi, Gaspare Zicarelli, Bianca Gasparrini

**11.30 – 11.45**

**Influence of a swimming-pool on fertility in buffalo species**

Gianluca Neglia, Marco Rendina, Anna Balestrieri, Filippo Lo Grasso, Anna Potena, Ivano Russo, Luigi Zicarelli

**11.45 - 12.00**

**Effect of different pre-slaughter procedures on behavioural and blood parameters in pigs**

Pietro Calà, Francesco Tassone, Michele Comellini, Maria Cristina Ielo, Luisa Volpelli, Stefania Dall'Olio, Leonardo Nanni Costa

**12.00 – 12.15**

**Total antiradical activity in male castrated piglets blood: reference values**

Grazia Pastorelli, Raffaella Rossi, Susanna Cannata, Carlo Corino

**12.15 – 12.30**

**Assessment of antioxidant activity of natural extracts**

Raffaella Rossi, Carlo Corino, Grazia Pastorelli, Philippe Durand, Michel Prost

**12.30 – 12.45**

**A statistical GIS-based analysis of Wild boar (*Sus scrofa*) traffic collisions in a Mediterranean area**

Riccardo Primi, Raffaele Pelorosso, Maria Nicolina Ripa, Andrea Amici

**12.45 – 13.00**

**GPS/GSM collars monitoring of red deer in the Tosco-Emiliano Apennine Mountains**

Maria Paola Ponzetta, Francesco Sacconi, Chiara Crocetti, Francesco Cervasio, Isabelle Minder

**Mercoledì 10 Giugno, ore 08.30 - 10.30**  
**Aula n. 11**

**Session: Animal Breeding and Genetics - Molecular Genetics**

**Chairman**

Luigi Ramunno

08.30 - 08.45

**Reversible switch from hemoglobin A to C in sheep and recovery from anemia following experimental infection with *Anaplasma ovis***

Ingrid Alloggio, Giuseppe De Ruvo, Alessandra Torina, Anna Caroli, Ferruccio Petazzi, Elisa Pieragostini

08.45 - 09.00

***In vitro* evaluation of caseinophosphopeptides from different genetic variants on bone mineralization**

Anna Caroli, Omar Bulgari, Stefania Chessa, Daniela Cocchi, Giovanni Tulipano

09.00 - 09.15

**One polymorphism at the Stearoyl CoA Desaturase (SCD) gene is associated to CLA content of sheep milk fat**

Sabrina Miari, Mario Graziano Usai, Tiziana Sechi, Annalisa Pernisa, Antonello Carta

09.15 - 09.30

**Genetic screening of the inherited Ichtyosis causative mutation in Chianina cattle**

Maria Longeri, Pietro Parma, Michele Polli, Maria Cristina Cozzi, Paolo Valiati, Lisa De Lorenzi, Giulia Pertica, Barbara Gandolfi, Maria Giuseppina Strillacci, Luciano Molteni

09.30 - 09.45

**PCR-SSCP analysis of GH gene in Sarda goats: a high variability and its preliminary effects on dairy performances**

Maria Luisa Dettori, Angela Maria Rocchigiani, Michele Pazzola, Vincenzo Carcangiu, Giuseppe Massimo Vacca

09.45 - 10.00

**Molecular characterization of the NRAMP1 gene in buffalo**

Giovanna De Matteis, Francesco Napolitano, Maria Carmela Scatà, Alessandra Crisà, Gennaro Catillo, Federica Signorelli, Corrado Pacelli, Bianca Moioli

10.00 - 10.15

**Italian Mediterranean river buffalo *CSN2* gene structure and promoter analysis**

Gianfranco Cosenza, Maria Feligini, Andrea Mancusi, Annalisa D'Avino, Angelo Coletta, Dino Di Berardino, Luigi Ramunno

10.15 - 10.30

**Identification of SNPs in the promoter of  $\beta$ -lactoglobulin gene in three Sicilian goat breeds**

Maria Teresa Sardina, Artur J.M. Rosa, Silvia Braglia, Emilio Scotti, Baldassare Portolano

**10.30 - 11.00 Coffee break**

**Mercoledì 10 Giugno, ore 11.00 - 13.00**  
**Aula n. 11**

**Session: Animal Breeding and Genetics - Reproduction**

**Chairman**

Dino Di Berardino

11.00 - 11.15

**Ultrasonographic appearance of early embryonic mortality in buffalo (*Bubalus bubalis*)**

Marco Russo, Luca De Luise, Pasquale Rossi, Filippo Lo Grasso, Natascia Cocchia, Giuseppe Catone

11.15 - 11.30

**Chromosomal unbalancements in sperm and oocytes of two Italian cattle breeds as determined by dual color fluorescent *in situ* hybridization (FISH)**

Alfredo Pauciullo, Davide Nicodemo, Alberto Castello, Gianfranco Cosenza, Luigi Ramunno, Jiri Rubes, Dino Di Berardino

11.30 - 11.45

**Native cattle breeds of Southern Italy: karyological profile**

Francesca Ciotola, Sara Albarella, Luigi Liotta, Antonio Contessa, Giulia Pia Di Meo, Vittorio Barbieri, Vincenzo Peretti

11.45 - 12.00

**Chromosome analyses in dairy cows exposed to dioxins and dioxin-like PCBs using the SCE test**

Leopoldo Iannuzzi, Angela Perucatti, Viviana Genualdo, Domenico Incarnato, Vincenzo Peretti, Roberto Rasero, Carlo Nebbia, Giulia Pia Di Meo

12.00 - 12.15

**Genotype at the MTNR1A locus and response to melatonin treatment in Sarda lambs**

Maria Consuelo Mura, Sebastiano Luridiana, Cinzia Daga, Pier Paolo Bini, Vincenzo Carcangiu

12.15 - 12.30

**Structural changes of *in vitro* matured buffalo and bovine oocytes following cryopreservation**

Bianca Gasparrini, Serena Di Francesco, Marcello Rubessa, Salvatore Velotto, Evelina Mariotti, Marina De Blasi

12.30 - 12.45

**Embryonic and foetal mortality in buffalo species**

Giuseppe Campanile, Domenico Vecchio, Antonella Comin, Antonio D'Abbraccio, Marco Rendina, Marco Russo

12.45 - 13.00

**Effect of bull on *in vitro* sperm capacitation induced by different agents in buffalo species (*Bubalus bubalis*)**

Luigi Zicarelli, Evelina Mariotti, Serena Di Francesco, Salvatore Velotto, Marcello Rubessa, Gianluca Neglia

**Mercoledì 10 Giugno, ore 14.30 - 17.00**  
**Aula n. 11**

**Session: Animal Breeding and Genetics - Traceability and Genetic Diversity**

**Chairman**

Martino Cassandro

**14.30 - 15.00 – Main Lecture**

**Genetic authentication and traceability of food products of animal origin: New developments and perspectives**

Luca Fontanesi

**15.00 - 15.15**

**Assessing SNPs in coat colour genes for cattle breed traceability**

Letizia Nicoloso, Elisabetta Milanese, Stella Passerotti, Manuela Malavolta, Italo Gilmozzi, Paola Crepaldi

**15.15 - 15.30**

**Variability of  $\mu$ -Calpain and Calpastatin genes in cattle**

Claudio Lisa, Liliana Di Stasio

**15.30 - 15.45**

**Genetic characterization of Appenninica sheep breed by microsatellites**

Emiliano Lasagna, Vincenzo Landi, Matteo Bianchi, Amparo Martínez Martínez, Francesca Maria Sarti

**15.45 - 16.00**

**Genetic diversity of NRAMP1 3'-UTR microsatellite in cattle breeds reared in Sardinia**

Michele Pazzola, Maria Luisa Dettori, Marcello Atzeni, Filippo Balia, Giuseppe Massimo Vacca

**16.00 - 16.15**

**Genetic variation of goat Y chromosome in the Sardinian population**

Tiziana Sechi, Sabrina Miari, Daniela Piras, Lia Crasta, Giuliana Mulas, Antonello Carta

**16.15 - 16.30**

**Mitochondrial DNA control region variation in Sanfratellano horse and two other Sicilian autochthonous breeds**

Antonio Zuccaro, Salvatore Bordonaro, Maria Longeri, Maria Cristina Cozzi, Anna Maria Guastella, Andrea Criscione, Giuseppe D'Urso, Donata Marletta

**16.30 - 16.45**

**Estimation of genetic diversity over time in an *in-situ* marker assisted conservation scheme of local chicken breeds**

Chiara Dalvit, Enrico Zanetti, Martino Cassandro

**16.45 - 17.00**

**A proteomic approach to study local chicken breeds characterization**

Enrico Zanetti, Chiara Dalvit, Caroline Molette, Hervé Remignon, Martino Cassandro

**Mercoledì 10 giugno, ore 14.30 - 16.30**  
**Aula n. 10**

**Session: Meat Production - Cattle**

**Chairman**

Oreste Franci

14.30 - 15.00 – Main Lecture

**Meat liking, animal welfare and consumer willingness to pay**

Fabio Napolitano

15.00 - 15.15

**Administration of high amounts of two solid feeds to veal calves: effects on growth performance and slaughter traits**

Paola Prevedello, Iginò Andrighetto, Eliana Schiavon, Flaviana Gottardo

15.15 - 15.30

**Malate supplementation to beef cattle: effects on growth performance and rumen fermentation products**

Carlo Angelo Sgoifo Rossi, Stefano Vandoni

15.30 - 15.45

**Influence of sunflower cake supplementation on Marchigiana carcass and meat quality**

Simona Mattii, Sara Priori, Maria Federica Trombetta

15.45 - 16.00

**Effect of castration and crossbreeding on meat quality traits of Maremmana beef cattle**

David Meo Zilio, Federico Vincenti, Silvia Ballico, Antonella Ficco, Manuel Juárez

16.00 - 16.15

**Comparison among some tenderization processing on Maremmana meat**

Michela Contò, Silvia Ballico, Antonella Ficco, Maurizio Mormile, Sebastiana Failla

16.15 - 16.30

**Acceptability and intramuscular collagen properties of Podolian beef as affected by ageing**

Antonio Girolami, Ada Braghieri, Antonella Sodo, Fabio Napolitano, Giuseppe Maiorano

**Mercoledì 10 Giugno, ore 8.30 – 10.30**  
**Aula n. 12**

**Session: Horse Production - Donkeys**

**Chairman**

Angela Gabriella D'Alessandro

8.30 - 8.45

**Morphological characteristics of Amiata donkey reared in Tuscany**

Clara Sargentini, Roberto Tocci, Giangiacomo Lorenzini, Benedetta Gianangeli, Andrea Martini, Sara Gallai, Alessandro Giorgetti

8.45 - 9.00

**Apparent digestibility of three diets in the Amiata breed donkey during lactation**

Domenico Gatta, Lucia Casini, Livio Magni, Gian Battista Liponi

9.00 - 9.15

**Yield and quality of milk and udder health in Martina Franca ass: effects of daily interval and time of machine milking**

Angela Gabriella D'Alessandro, Rosanna De Petro, Salvatore Claps, Michele Pizzillo, Giovanni Martemucci

9.15 - 9.30

**Effects of the foal at the milking and dietary supplementation with extra virgin olive oil on jennet milk production**

Marco Alabiso, Giuseppe Maniaci, Maria Luigia Alicata, Gabriella Iannolino, Antonino D'Amico, Dale Elton Bauman, Cristina Giosuè

9.30 - 9.45

**Effects of foal presence at milking and dietary extra virgin olive oil on jennet milk fatty acids profile**

Cristina Giosuè, Judith Louise Capper, Giuseppe Maniaci, Dale Elton Bauman, Francesca Mazza, Marco Alabiso

9.45 - 10.00

**Somatic (CSS) and differential cell count (DCC) during a lactation period in ass'milk**

Beghelli Daniela, Roscini Annamaria, Valiani Andrea, Vincenzetti Silvia, Cavallucci Clarita, Polidori Paolo

10.00 - 10.15

**Ca, Mg, Zn, Fe, Cu and Mn content of ass's milk**

Francesco Fantuz, Cristina Maglieri, Gianvincenzo Lebboroni, Elisabetta Salimei

10.15 - 10.30

**Quality of donkey bresaola**

Rosaria Marino, Antonella Della Malva, Giovanni Gliatta, Antonio Muscio, Agostino Sevi

**10.30 - 11.00 Coffee break**

**Mercoledì 10 giugno, ore 11.00 - 13.00**  
**Aula n. 12**

**Session: Poultry and Rabbit Production**

**Chairman**

Adele Meluzzi

**11.00 - 11.30 - Main Lecture**

**Advances in research on poultry and rabbit meat quality**

Claudio Cavani, Massimiliano Petracci, Angela Trocino, Gerolamo Xiccato

**11.30 - 11.45**

**Influence of genotype and feeding on chemical composition of organic chicken meat**

Adele Meluzzi, Federico Sirri, Cesare Castellini, Alessandra Roncarati, Paolo Melotti, Achille Franchini

**11.45 - 12.00**

**The use of marination to improve poultry meat quality**

Maurizio Bianchi, Massimiliano Petracci, Claudio Cavani

**12.00 - 12.15**

**Transfer of dietary fatty acids from butyric acid fortified canola oil into the meat of broilers**

Mauro Antongiovanni, Sara Minieri, Arianna Buccioni, Ilaria Galligani, Stefano Rapaccini

**12.15 - 12.30**

**Use of organometallic chelates in broiler diet: effect on the performance and bone structure.**

**Preliminary results**

Luigi Liotta, Vincenzo Chiofalo, Enrico D'Alessandro, Francesco Macrì, Giuseppa Caristina, Biagina Chiofalo

**12.30 - 12.45**

**The effects of Silymarin on ovarian activity and productivity of laying hens**

Afro Quarantelli, Simone Romanelli, Giuseppina Basini, Federico Righi

**12.45 - 13.00**

**Egg quality and blood parameters of "Bianca di Saluzzo" and Isa Brown hens kept under free range conditions**

Achille Schiavone, Elisabetta Mellia, Germana Salamano, Valentina Raccone, Martina Tarantola, Stefano Nurisso, Silvia Gennero, Luca Doglione

**Mercoledì 10 giugno, ore 15.00 - 16.30**  
**Aula n. 12**

**Session: Poultry and Rabbit Production**

**Chairman**

Cesare Castellini

15.00 - 15.15

**Effect of different sperm concentrations on the post-thaw viability and motility of turkey spermatozoa cryopreserved by the pellet method**

Nicola Iaffaldano, Angelo Manchisi, Mario Gambacorta, Michele Di Iorio, Maria Pina Rosato

15.15 - 15.30

**A nesting site suitability model for rock partridge (*Alectoris graeca*) in the Apennine Mountains using logistic regression**

Andrea Amici, Raffaele Pelorosso, Fioravante Serrani, Lorenzo Boccia

15.30 - 15.45

**Interaction of reproduction rhythm, suckling and parity on mating incidence, ovarian dynamics and estrogen secretion in the rabbit doe**

Maria Laura Marongiu

15.45 - 16.00

**Serum level of hormone and metabolites in pregnant rabbit does**

Raffaella Cardinali, Alessandro Dal Bosco, Cesare Castellini, Cristiano Boiti, Gabriele Brecchia

16.00 - 16.15

**Use of mannan oligosaccharides during “post-weaning enteric syndrome” in rabbits: effect on in vivo performance from 35 to 60 days**

Fulvia Bovera, Stefania Marono, Sandra Nizza, Karina Mallardo, Micaela Grossi, Vincenzo Piccolo

16.15 - 16.30

**Mannan oligosaccharides as growth promoter in finishing rabbit: effect on in vivo performance and carcass traits**

Giovanni Piccolo, Fulvia Bovera, Carmelo Di Meo, Nicola Vella, Monica I. Cutrignelli, Antonino Nizza

**Giovedì 11 Giugno, ore 08.30 - 10.30**  
**Aula n. 11**

**Session: Animal Breeding and Genetics - Quantitative Genetics**

**Chairman**

Alessandro Bagnato

08.30 - 08.45

**Use of different marker pre-selection methods based on single SNP regression in the estimation of Genomic-EBVs**

Ezequiel Luis Nicolazzi, Riccardo Negrini, Corrado Dimauro

08.45 - 09.00

**Use of Principal Component and Factor Analysis to reduce the number of independent variables in the prediction of Genomic Breeding Values**

Nicolò Pietro Paolo Macciotta, Giustino Gaspa

09.00 - 09.15

**Using LASSO to estimate marker effects for Genomic Selection**

Mario Graziano Usai, Mike E. Goddard, Ben J. Hayes

09.15 - 09.30

**Improving the stability of test day model evaluation for production traits in the Italian Holstein**

Fabiola Canavesi, Stefano Biffani, Grazia Bramante, Raffaella Finocchiaro

09.30 - 09.45

**Modelling extended lactation curves for milk production traits in Italian Holsteins**

Roberto Steri, Aldo Cappio-Borlino, Nicolò Pietro Paolo Macciotta

09.45 - 10.00

**Interfamiliar specific fertility in Italian Brown Swiss cattle**

Rita Rizzi, Antonia Bianca Samorè, Fausta Schiavini, Ottavia Pedron, Francesco Vacirca, Alessandro Bagnato

10.00 - 10.15

**A survey on Cattle Performance Testing Centres in Italy**

Fiorella Sbarra, Riccardo Dal Zotto, Roberto Mantovani

10.15 - 10.30

**A colony of dog guides: analysis of the genetic variability assessed by pedigree data**

Francesca Cecchi, Assunta Bramante, Elisa Mazzanti, Roberta Ciampolini

**10.30 - 11.00 Coffee break**

**Giovedì 11 Giugno, ore 11.00 - 13.00**  
**Aula n. 11**

**Session: Animal Breeding and Genetics - Quantitative Genetics**

**Chairman**

Nicola Pietro Paolo Macciotta

**11.00 - 11.30**

**Italian Platform for Animal Breeding and Reproduction: opportunity to guide research in Europe and Italy**

Alessio Valentini

**11.30 - 11.45**

**Genetic parameters estimation and genetic evaluation for longevity in Italian Brown Swiss bulls**

Omar Bonetti, Attilio Rossoni, Chiara Nicoletti

**11.45 - 12.00**

**Genetic parameters and selection for casein content in Italian Holstein and Brown Swiss**

Antonia Bianca Samoré, Fausta Schiavini, Fabiola Canavesi, Attilio Rossoni, Rita Rizzi, Alessandro Bagnato

**12.00 - 12.15**

**Genetic correlations between measures of beef quality traits and their predictions by near-infrared spectroscopy in the Piemontese cattle breed**

Alessio Cecchinato, Massimo De Marchi, Aziza Boukha, Cinzia Ribeca, Paolo Carnier

**12.15 - 12.30**

**Genetic parameters of two methods of scoring cow fighting ability**

Cristina Sartori, Roberto Mantovani

**12.30 - 12.45**

**Estimation of (co)variance components of nematode parasites resistance and somatic cell count in dairy sheep**

Stefania Sechi, Sotero Salaris, Antonio Scala, Rachel Rupp, Carole Moreno, Stephen C. Bishop, Sara Casu

**12.45 - 13.00**

**Evaluation of connectedness in the registered population of the Sardinian dairy sheep breed**

Sotero Salaris, Pancrazio Fresi, Sara Casu

**Giovedì 11 giugno, ore 08.30 - 10.30**  
**Aula n. 10**

**Session: Meat Production – Cattle and Sheep**

**Chairman**

Edi Piasentier

08.30 - 08.45

**Effects of dietary supplementation with mineral/vitamin mix on beef meat colour and oxidation parameters**

Federico Vincenti, Katya Carbone, David Meo Zilio, Bruno Ronchi, Sergio Gigli, Miriam Iacurto

08.45 - 09.00

**Sensory evaluation of meat colour using photographs**

Alberto Brugiapaglia, Gianluigi Destefanis

09.00 - 09.15

**Instrumental objective measurement of veal calves carcass colour at slaughterhouse**

Stefano Vandoni, Carlo Angelo Sgoifo Rossi

09.15 - 09.30

**Effect of Islamic ritual slaughter on beef quality**

Maria D'Agata, Claudia Russo, Giovanna Prezioso

09.30 - 09.45

**Effectiveness of carcass data collection in a cattle slaughterhouse**

Carla Lazzaroni, Davide Biagini

09.45 - 10.00

**Effect of suckling management on productive performance and carcass traits of Comisana lambs**

Giuseppe Maiorano, Antonia Ciarlariello, Daniela Cianciullo, Angelo Manchisi

10.00 - 10.15

**In vita performance and slaughter characteristics of Suffolk and Bergamasca lambs at 90 days of age**

Aldo Dal Prà, Alessandro Crovetto, Francesco Sirtori, Giovanni Brajon, Aldo Olivetti, Gustavo Campodoni

10.15 - 10.30

**Meat quality of Suffolk and Bergamasca lambs slaughtered at 90 days of age**

Francesco Sirtori, Aldo Dal Prà, Giovanni Brajon, Carolina Pugliese, Riccardo Bozzi

**10.30 - 11.00 Coffee break**

**Giovedì 11 giugno, ore 11.00 - 13.00**  
**Aula n. 10**

**Session: Meat Production – Sheep**

**Chairman**

Alessandro Priolo

**11.00 - 11.15**

**Productivity of an *Atriplex halimus* shrubbery and effects of grazing on lambs**

Luigi Stringi, Dario Giambalvo, Gaetano Amato, Giuseppe Di Miceli

**11.15 - 11.30**

**Growing and slaughtering performance of Apennine heavy lamb finished at pasture in Central Italy**

Luciano Morbidini, Mariano Pauselli, Enrica Rossetti, Elisa Cestola

**11.30 - 11.45**

**Extruded linseed and linseed oil as alternative to soybean meal and soybean oil in diets for fattening lambs**

Francesco Giannico, Maria Antonietta Colonna, Adalisa Coluccia, Domenico Crocco, Gino Vonghia, Carmine Cocca, Anna Caputi Jambrenghi

**11.45 - 12.00**

**Effect of weight of slaughter and feeding regimen on conjugated linoleic acid and *trans* fatty acid content in lamb meat: a meta-analysis approach**

Andrea Serra, Nicolò Pietro Paolo Macciotta, Marcello Mele, Anna Nudda, Giuseppe Conte, Pierlorenzo Secchiari

**12.00 - 12.15**

**Comparison of fatty acid profile in lamb meat and baby food based on lamb meat**

Anna Nudda, Marcello Mele, Andrea Serra, Maria Grazia Manca, Roberta Boe, Pierlorenzo Secchiari

**12.15 - 12.30**

**Fatty acid profile in the ruminal fluid and in the *m. longissimus dorsi* of lambs fed herbage or concentrate with or without tannins**

Valentina Vasta, Marcello Mele, Andrea Serra, Giuseppe Luciano, Manuel Scerra, Massimiliano Lanza, Alessandro Priolo

**12.30 - 12.45**

**Lamb meat colour stability as affected by dietary tannins**

Giuseppe Luciano, Frank J. Monahan, Valentina Vasta, Luisa Biondi, Massimiliano Lanza, Marco Bella, Pietro Pennisi, Alessandro Priolo

**12.45 – 13.00**

**Consumer acceptance of Italian or New Zealander lamb meat: an Italian case study**

Mariano Pauselli, Luciano Morbidini, Emiliano Lasagna, Vincenzo Landi, Roberto Giangrande

**Giovedì 11 giugno 2009, ore 8.30 – 10.30**  
**Aula n. 9**

**Session: Dairy Production**

**Chairman**

Andrea Summer

**8.30 – 9.00 - Main Lecture**

**Designing milk fat to improve healthfulness and functional properties of dairy products: from feeding strategies to a genetic approach**

Marcello Mele

**9.00 – 9.15**

**Extruded soybean and flaxseed enhance fat composition of milk for Parmigiano-Reggiano cheese**

Attilio Luigi Mordenti, Nico Brogna, Flavia Merendi, Mattia Fustini, Giacomo Biagi, Andrea Formigoni

**9.15 – 9.30**

**Effect of dietary inclusion of flaxseed on milk yield and composition of dairy cows**

Cristina Zanfi, Mauro Spanghero, Angela Sepulcri, Elena Fabbro, Emanuele Bianco, Domenico Davanzo, Emilio Simonetti

**9.30 – 9.45**

**Faba bean in dairy cow diet: effect on milk production and quality**

Michele Comellini, Luisa Antonella Volpelli, Domenico Pietro Lo Fiego, Rosanna Scipioni

**9.45 – 10.00**

**Utilization of mulberry leaves (*Morus latifolia* cv. *Kokusou 21*) in diets for dairy ewes**

Massimo Todaro, Adriana Bonanno, Gabriele Tornambè, Antonino Di Grigoli, Maria Luisa Scatassa, Pietro Giaccone

**10.00 – 10.15**

**Use of peas in organic buffalo farming: effects on nutrient digestibility and milk production**

Antonio Di Francia, Giuseppe De Rosa, Raffaele Romano, Fernando Grasso, Giulia Esposito, Felicia Masucci

**10.15 – 10.30**

**Milk protein and cheese yield in buffalo species**

Barbara Ariota, Lara Milone, Carlo Grassi, Fabio Zicarelli, Roberto Napolano, Alfonso Giovane, Rossella Di Palo

**10.30 – 11.00 Coffee break**

**Giovedì 11 giugno 2009, ore 11.00 – 13.00**  
**Aula n. 9**

**Session: Dairy Production**

**Chairman**

Giovanni Molle

**11.00 – 11.15**

**Evaluation of the morphometric characteristics of ewe milk fat globules, cheese yield and ripening in the intermediate lactation phase**

Federica Salari, Mina Martini

**11.15 – 11.30**

**Temporal changes of conjugated linoleic acid in milk from Sarda ewes with different milk fat secretion ability**

Marcello Mele, Andrea Serra, Giuseppe Conte, Alice Pollicardo, Giorgio Formisano, Pierlorenzo Secchiari

**11.30 – 11.45**

**Effects of different fat-enriched concentrates on fatty acid profile of cheese from grazing dairy sheep**

Margherita Addis, Andrea Cabiddu, Mauro Decandia, Simona Spada, Marco Acciaro, Antonio Pirisi, Maria Sitzia, Edmondo Costa, Antonello Cannas, Giovanni Molle

**11.45 – 12.00**

**Probiotic in rennet paste can affect lipase activity of rennet and lipolysis in ovine cheese**

Antonella Santillo, Mariangela Caroprese, Rosaria Marino, Marzia Albenzio

**12.00 – 12.15**

**Seasonal effect on the technological and chemical traits of sheep "ricotta Pistoiese" cheese**

Anna Acciaioli, Lorenzo Giustini, Renzo Malvezzi, Antonio Bonelli, Oreste Franci

**12.15 - 12.30**

**Effect of feeding management and seasonal variation on fatty acid composition of Mexican soft raw goats' milk cheese**

Claudia Delgadillo Puga, Mario Cuchillo Hilario, Fernando Pérez-Gíl Romo

**12.30 – 12.45**

**The role of polymorphism at  $\alpha$ s1-casein locus on milk fatty acid composition in Girgentana goat**

Bernardo Valenti, Renato Italo Pagano, Pietro Pennisi, Marcella Avondo

**12.45 – 13.00**

**Ripening-induced changes in microbial groups of artisanal Sicilian goats' milk cheese**

Alessandro Zumbo, Ambra Rita Di Rosa, Biagina Billone, Domenico Carminati, Paolo Girgenti, Vincenzo Di Marco

**Giovedì 11 giugno, ore 08.45 - 10.30**  
**Aula n. 12**

## **Session: Poultry and Rabbit Production**

### **Chairman**

Antonella Dalle Zotte

08.45 - 09.00

### **Digestible fibre to starch ratio and protein level in diets for growing rabbits**

Angela Trocino, Duilio Majolini, Michail Fragkiadakis, Marco Tazzoli, Gerolamo Xiccato

09.00 - 09.15

### **Effect of genotype and rearing system on the native immunity and oxidative status of growing rabbits**

Alessandro Dal Bosco, Evangelia Mourvaki, Cecilia Mugnai, Raffaella Cardinali, Livia Moscati, Gisella Paci, Cesare Castellini

09.15 - 9.30

### **Dietary inclusion of tannin extract from red quebracho trees (*Schinopsis spp.*) in the rabbit meat production**

Antonella Dalle Zotte, Maria Elena Cossu

9.30 - 9.45

### **Effect of diet chestnut tannin supplementation on meat quality, fatty acid profile and lipid stability in broiler rabbits**

Francesco Gai, Laura Gasco, Hua Wei Liu, Carola Lussiana, Alberto Brugiapaglia, Giorgio Masoero, Ivo Zoccarato

9.45 - 10.00

### **Near infrared spectroscopy (NIRS) as a tool to predict meat chemical composition and fatty acid profile in different rabbit genotypes**

Roberto Riovanto, Zsolt Szendrő, Massimo Mirisola, Zsolt Matics, Paolo Berzaghi, Antonella Dalle Zotte

10.00 - 10.15

### **Postnatal growth of Brown hare (*Lepus europaeus*) in a South Italy rearing centre**

Egidio Mallia, Cristina Rugge, Carlo Cosentino, Emilio Gambacorta, Valter Trocchi, Pierangelo Freschi

10.15 – 10.30

### **First contribute to the characterization of coat in *Lepus corsicanus* and *Lepus europaeus* by colorimetric determinations**

Cristina Rugge, Egidio Mallia, Annamaria Perna, Valter Trocchi, Pierangelo Freschi

**10.30 – 11.00 Coffee break**

**Giovedì 11 Giugno, ore 11.00 – 12.45**  
**Aula n. 12**

**Session: Aquaculture**

**Chairman**

Ivo Zoccarato

**11.00 - 11.30 - Main Lecture**

**Aquaculture production in Sicily**

Andrea Santulli

**11.30 - 11.45**

**Expression and distribution of the glucocorticoid receptor *DIGR1* in the teleost *Dicentrarchus labrax* brain**

Maria Luigia Di Bella, Mirella Vazzana, Aiti Vizzini, Giuseppina Salerno, Monica Celi, Nicolò Parrinello

**11.45 - 12.00**

**Molecular characterization and *in vivo* expression of hypoxia inducible factor (HIF)-1 $\alpha$  in sea bass (*Dicentrarchus labrax*) exposed to acute and chronic hypoxia**

Genciana Terova, Simona Rimoldi, Pietro Ceccuzzi, Fabio Brambilla, Micaela Antonini, Marco Saroglia.

**12.00 - 12.15**

**Monitoring of fish species in the Lamone river: distribution and morphometric measures of the populations**

Cristiana Triberti, Lisa Nardi, Alessandro Crovetto, Gianluca Giorgi, Giuliana Parisi, Davide De Petris, Riccardo Bozzi, Paola Lupi

**12.15 - 12.30**

**Effect of *in vitro* exposure to cadmium and copper on sea bass blood cells**

Mirella Vazzana, Giuseppina Salerno, Monica Celi, Aiti Vizzini, Daniela Parrinello, Maria Luigia Di Bella, Vincenzo Arizza

**12.30 - 12.45**

**Cadmium, Copper and Tributyltin effects on fertilization of *Paracentrotus lividus* (Echinodermata)**

Vincenzo Arizza, Gianvito Di Fazio, Monica Celi, Nicolò Parrinello, Mirella Vazzana

**Venerdì 12 Giugno, ore 09.00 - 11.00**  
**Aula n. 11**

**Session: Animal Breeding and Genetics - Gene Expression and Genetic Markers**

**Chairman**

Roberta Davoli

**09.00 - 09.30 - Main Lecture**

**Identifying genes associated with quantitative traits in pigs: integrating quantitative and molecular approaches for meat quality**

Karl Schellander

**09.30 - 09.45**

**Investigation on variability of candidate genes for meat quality traits in Piemontese cattle**

Cinzia Ribeca, Giovanni Bittante, Andrea Albera, Valentina Bonfatti, Fabio Maretto, Luigi Gallo

**09.45 - 10.00**

**Evolution of transcriptome profiles during muscle development in Casertana and cosmopolite pig breeds**

Mariasilvia D'Andrea, Alberto Pallavicini, Simeone Dal Monego, Renè Dreos, Denis Guiatti, Fabio Pilla

**10.00 - 10.15**

**Skeletal muscle expression analysis of fat metabolism genes in pig**

Paolo Zambonelli, Marco Comella, Silvia Braglia, Luca Buttazzoni, Roberta Davoli

**10.15 - 10.30**

**Polymorphisms in swine candidate genes for meat quality detected by PCR-SSCP**

Marta Raschetti, Daniela Rignanese, Giulio Pagnacco, Bianca Castiglioni, Stefania Chessa

**10.30 - 10.45**

**The FAGenomicH project: towards a whole candidate gene approach to identify markers associated with fatness and production traits in pigs and investigate the pig as a model for human obesity**

Luca Fontanesi, Raffaele Fronza, Emilio Scotti, Michela Colombo, Camilla Speroni, Lucia Tognazzi, Giuliano Galimberti, Daniela Giovanna Calò, Elena Bonora, Manuela Vargiolu, Giovanni Romeo, Rita Casadio, Vincenzo Russo

**10.45 - 11.00**

**Effect of some candidate genes on meat characteristics of three cattle breeds**

Sebastiana Failla, Antonella Cuteri, Cinzia Marchitelli, Alessandra Crisà, Michela Contò, Chiara Berti, Francesco Filippini, Sergio Gigli, Alessio Valentini

**11.00 – 11.30 Coffee break**

**Venerdi 12 Giugno, ore 11.30 - 13.30**  
**Aula n. 11**

**Session: Animal Breeding and Genetics - Gene Expression and Genetic Markers**

**Chairman**

Alessio Valentini

**11.30 - 11.45**

**Transcriptome analysis of skeletal muscle tissue to identify genes involved in pre-slaughter stress response in pigs**

Roberta Davoli, Paolo Zambonelli, Jakob Hedeegard, Henrik Hornshoj, Leonardo Nanni Costa, Alessandra Stella, Luca Fontanesi, Michela Colombo, Christian Bendixen, Vincenzo Russo

**11.45 - 12.00**

**Microarray data analysis of gene expression levels in lactating cows treated with bovine somatotropin**

Corrado Dimauro, Ana H. Dias Francesconi, Aldo Cappio-Borlino, Mark A. McGuire

**12.00 - 12.15**

**Transcriptomic analysis of two sheep breeds during lactation, using a new custom microarray platform**

Silvia Bongiorno, Giovanni Chillemi, Gianluca Prosperini, Susana Bueno, Federica Signorelli, Bianca Moiola, Lorraine Pariset

**12.15 - 12.30**

**Dietary administration of Curcumin modifies transcriptional profile of genes involved in inflammatory cascade in horse leukocytes**

Maura Farinacci, Brigitta Gaspardo, Monica Colitti, Bruno Stefanon

**12.30 - 12.45**

**Towards the understanding of bull fertility: phenotypic traits description and candidate gene approach**

Paola Crepaldi, Letizia Nicoloso, Elisabetta Milanese, Licia Colli, Enrico Santus, Riccardo Negrini

**12.45 - 13.00**

**Action of larch bark in the regulation of cortisol induced stress in sheep**

Bruno Stefanon, Sandy Sgorlon, Gianluca De Moro, Elisa Asquini

**13.00 - 13.15**

**Study of  $\beta$ -defensin polymorphisms in Valle del Belice dairy sheep**

Giuseppina Monteleone, Davide Calascibetta, Rosa Reina, Baldassare Portolano

**13.15 - 13.30**

**Detection on OAR7 of QTL affecting fat and protein yields in dairy sheep**

Sara Casu, Maria Colombino, Giuliana Mulas, Stefania Sechi, Francis Barillet, Antonello Carta

**Venerdì 12 giugno, ore 09.00 - 10.45**  
**Aula n. 10**

**Session: Meat Production – Pigs**

**Chairman**

Maria Federica Trombetta

09.00 - 09.15

**Variability in the characteristics of fresh meat and thighs in relationship to genetic type of the heavy pig**

Mauro Vitale, Mirco Corazzin, Saida Favotto, Elena Saccà, Edi Piasentier

09.15 - 09.30

**Fatty acid composition of heavy pig back fat in relationship to some animal factors**

Edi Piasentier, Nicoletta Di Bernardo, Micaela Morgante, Angela Sepulcri, Mauro Vitale

09.30 - 09.45

**Effect of pantothenic acid level in the diet of the finishing heavy pig on carcass and meat quality traits**

Domenico Pietro Lo Fiego, Paolo Macchioni, Giovanna Minelli, Maria Cristina Ielo, Piero Santoro

09.45 - 10.00

**Effect of dietary oil supplementation on fatty acid profile of backfat and intramuscular fat in finishing pigs**

Gianni Battacone, Anna Nudda, Maria Grazia Manca, Roberto Rubattu, Giuseppe Pulina

10.00 - 10.15

**Intramuscular fat and sensory properties of pork loin**

Susanna Cannata, Terry Engle, Steven Moeller, Henry Zerby, Phil Bass, Keith Belk

10.15 - 10.30

**Application of different growth models to “Nero di Parma” pigs**

Alberto Sabbioni, Valentino Beretti, Raffaele Manini, Claudio Cervi, Paola Superchi

10.30 - 10.45

**Zoometric rates, reproductive and productive parameters of the Apulo-calabrian swine, obtained in breeding certified by ANAS Calabria**

Pietro Micari, Luca Racinaro, Virginia Sarullo, Santo Carpino, Annamaria Marzullo

**11.00 – 11.30 Coffee break**

Venerdì 12 giugno 2009, ore 9.00 – 11.00  
Aula n. 9

## Session: Dairy Production

### Chairmen

Luca Maria Battaglini, Luigi Calamari

9.00 – 9.15

#### **Influence of somatic cell count on mineral content and salt equilibria of milk**

Andrea Summer, Piero Franceschi, Massimo Malacarne, Paolo Formaggioni, Flavio Tosi, Gianfranco Tedeschi, Primo Mariani

9.15 – 9.30

#### **Comparing milk yield, chemical properties and somatic cell count from organic and conventional mountain farming systems**

Luca Maria Battaglini, Manuela Renna, Alex Garda, Carola Lussiana, Vanda Malfatto, Antonio Mimosi, Marcello Bianchi

9.30 – 9.45

#### **Traceability of pasture feeding using some fatty acids and spectrophotometric parameters in milk**

Renato Italo Pagano, Marcella Avondo

9.45 – 10.00

#### **Organic farming of dairy goats in the Veneto region: feeding management and milk quality**

Silvia Miotello, Valerio Bondesan, Lucia Bailoni

10.00 – 10.15

#### **Influence of four single fresh forages on volatile organic compound (VOC) content and profile and sensory properties of goat Caciotta cheese**

Salvatore Claps, Lucia Sepe, Anna Rocchina Caputo, Adriana Di Trana, Francesco Paladino, Maria Antonietta Di Napoli, Michele Pizzillo, Vincenzo Fedele

10.15 – 10.30

#### **Colour traits in the evaluation of the ripening period of Asiago cheese**

Giorgio Marchesini, Stefania Balzan, Severino Segato, Enrico Novelli, Iginio Andrighetto

10.30 – 10.45

#### **Microbiological monitoring of raw milk from selected farm in the Trentingrana region**

Elena Franciosi, Angelo Pecile, Agostino Cavazza, Elisa Poznanski

10.45 – 11.00

#### **Prediction of protein composition of individual cow milk using mid-infrared spectroscopy**

Massimo De Marchi, Valentina Bonfatti, Alessio Cecchinato, Guido Di Martino, Paolo Carnier

**11.00 – 11.30 Coffee break**

**Venerdì 12 giugno 2009, ore 11.30 – 12.30**  
**Aula n. 9**

**Session: Dairy Production**

11.30 – 11.45

**A laboratory micro-manufacturing method for assessing individual cheese yield**

Nicola Cologna, Riccardo Dal Zotto, Mauro Penasa, Luigi Gallo, Giovanni Bittante

11.45 - 12.00

**Influence of feeding flavouring-appetizing substances on activity of cows in an automatic milking system**

Luciano Migliorati, Marisanna Speroni, Calogero Stelletta, Giacomo Pirlo

12.00 – 12.15

**Efficiency of cleaning procedure of milking equipment and bacterial quality of milk**

Luciana Bava, Maddalena Zucali, Milena Brasca, Lucio Zanini, Anna Sandrucci

12.15 – 12.30

**Effect of liner characteristics on teat apex condition and milk flow traits**

Maddalena Zucali, Luciana Bava, Chiara Penati, Alberto Tamburini

**Venerdì 12 Giugno, ore 9.00 – 10.30**  
**Aula n. 12**

**Session: Aquaculture**

**Chairman**

Nicolò Parrinello

**9.00 - 9.15**

**Effects of electro-fishing on galvano-taxis and carcass quality characteristics in sea bass (*Dicentrarchus labrax*)**

Edo D'Agaro, Antonella Stravisi

**9.15 - 9.30**

**Effect of dietary Astaxanthin sources supplementation on muscle pigmentation and lipid peroxidation in rainbow trout (*Oncorhynchus mykiss*).**

Fabio Brambilla, Andrea Forchino, Micaela Antonini, Simona Rimoldi , Genciana Terova, Marco Saroglia

**9.30 - 9.45**

**Effect of dietary rosemary oil on growth performance and flesh quality of farmed seabass (*Dicentrarchus labrax*)**

Laura Di Turi, Marco Ragni, Anna Caputi Jambrenghi, Mariateresa Lastilla, Arcangelo Vicenti, Maria Antonietta Colonna, Francesco Giannico, Gino Vonghia

**9.45 - 10.00**

**The influence of different dietary energy content and feeding regimes on growth and feed utilization of European sea bass (*Dicentrarchus labrax*, L.)**

Alessio Bonaldo, Anna Badiani, Paolo Fagioli, Ramon Fontanillas, Wolfgang Koppe, Lorenzo Mariani, Pier Paolo Gatta

**10.00 - 10.15**

**Biometry traits and geometric morphometrics in sea bass (*Dicentrarchus labrax*) from different farming systems**

Francesca Tulli, Ivana Balenovic, Maria Messina, Emilio Tibaldi

**10.15 - 10.30**

**Effects of long term feeding diets differing in protein source and pre-slaughter starvation on biometry, qualitative traits and liver IGF-I expression in large rainbow trout**

Maria Messina, Francesca Tulli, Matteo Calligaris, Emilio Tibaldi

**11.00 – 11.30 Coffee break**

Venerdì 12 Giugno, ore 11.30 – 12.45  
Aula n. 12

## Session: Aquaculture

### Chairman

Emilio Tibaldi

11.30 - 11.45

#### **Partial replacement of fish meal by T-Iso in gilthead sea bream (*Sparus aurata*) juveniles diets**

Giovanni Battista Palmegiano, Francesco Gai, Laura Gasco, Giuseppe Lembo, Maria Teresa Spedicato, Pasquale Trotta, Ivo Zoccarato

11.45 - 12.00

#### **Biochemical and nutritional traits of sea bass (*Dicentrarchus labrax*) from different rearing systems**

Concetta Messina, Giuseppa Mistretta, Lanfranco Conte, Marco Tazzoli, Andrea Santulli

12.00 - 12.15

#### **Near infrared reflectance spectroscopy (NIRS) characterization of European sea bass (*Dicentrarchus labrax*) from different rearing systems**

Duilio Majolini, Angela Trocino, Gerolamo Xiccato, Andrea Santulli

12.15 - 12.30

#### **Comparison of zootechnical performances, welfare condition and quality traits of hybrid striped bass (*Morone chrysops* x *Morone saxatilis*) reared in different Italian farms**

Alessandra Roncarati, Andrea Dees, Stefano Pignata, Adele Meluzzi, Federico Sirri, Oliviero Mordenti, Leila Forlini, Alberto Felici, Paolo Melotti

12.30 - 12.45

#### **Characterization of the cellular damage induced by Aflatoxin B<sub>1</sub> in sea bream (*Sparus aurata* Linnaeus, 1758) hepatocytes**

Gerardo Centoducati, Maria Pia Santacroce, Antonella Lestingi, Elisabetta Casalino, Giuseppe Crescenzo