



2015
ESPN

20th EUROPEAN SYMPOSIUM
ON POULTRY NUTRITION

24 - 27 AUGUST, 2015

PRAGUE, CZECH REPUBLIC

FINAL PROGRAMME

WWW.ESPN2015.ORG



PRAGUE METRO MAP



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WELCOME MESSAGE

Dear colleagues,

It is our great pleasure to welcome you on the 20th European Symposium on Poultry Nutrition which is held between 24–27 August 2015 in Prague, Czech Republic.

We are proud that more than 1000 participants is attending this important event – among them many opinion leaders, representatives of important poultry industries and scientists, and other professionals from the entire Europe that have a chance to witness not only interesting and useful lectures and posters but also to learn about new ideas, products, solutions and technologies.

The 20th European Symposium on Poultry Nutrition also gives you a great possibility to visit the capital of the Czech Republic, a magnificent city built around the Vltava River. You can also take part in fascinating culture events during the Symposium.

I strongly believe that the 20th European Symposium on Poultry Nutrition will be an excellent opportunity to exchange views, ideas and opinions which allow all participants to be proud of the work they develop in their countries.

I am welcoming you to the beautiful city of Prague!



Pavel Trefil
President of the Czech
Branch of WPSA

WELCOME FROM WORKING GROUP 2, WPSA

On behalf of Working Group 2 (WG2), it is with great pleasure that I welcome all participants to the 20th European Symposium on Poultry Nutrition which takes place from 24th–27th August 2015 in Prague, The Czech Republic.

The WG2 has always been active in the planning of the ESPN in close co-operation with the local branches and organising committees in order to assemble an interesting scientific programme, and we are convinced that the scientific programme presented in Prague will have the same high quality as has been the case at the former symposia. There are no parallel sessions, and in each session, 3-4 speakers will cover different aspects of a topic. There are 6 main sessions on the programme in Prague dealing with subjects which we believe are of strong scientific and industrial interest. The subjects cover processes in the digestive tract, different aspects of amino acid research, fats and energy sources, chick quality and flock performance, and the final session on Thursday will present research on turkey and duck nutrition. One of the sessions will focus on different “hot topics” such as feed mycotoxins, the challenge to fed layers until 100 weeks and insects as poultry feed. A strong group of experts will cover the wide range of issues involved in the different sessions within their specific fields both from a scientific point of view as well as with practical nutritional approaches important in commercial situations. Very importantly, the symposium will include a display of contributed posters, and selected posters will be highlighted by the authors during 3 short communication sessions.

The WG2 meets regularly in connection with the ESPN or during the European conferences and world poultry congresses. At present, the WG2 has 30 members representing 17 European countries. The ESPN has been held every second year since 1977 at different locations in Europe and has attracted an increasing number of delegates over the years from around the world to listen to and discuss the presentations. Apart from many delegates from Europe, we also welcome participants from many countries outside Europe, and the sharing of thoughts and experiences among the delegates is an important contribution to the success of the symposium.

I wish you all an enjoyable and rewarding time during the ESPN 2015 and a wonderful stay in Prague.



Sanna Steinfeldt,
Aarhus University, Denmark.
Chair of WG2, WPSA.



COMMITTEES & SYMPOSIUM SECRETARIAT

SCIENTIFIC COMMITTEE

Dr Jiri Broz
Dr Karoly Dubleczy
Dr Colin Fisher
Dr Rene Kwakkel
Dr Aidan Leek
Dr Martina Lichovnikova – contact person
Dr Yael Noy
Dr Yves Nys
Prof Dr Markus Rodehutschord
Dr Sanna Steinfeldt
Prof Dr Birger Svihus
Prof Dr Eva Tumova
Prof Colin Whitehead

ORGANISING COMMITTEE

Dr Pavel Trefil – chairman
Dr Martina Lichovnikova
Dr Lenka Papesova
Barbora Vinsova (GUARANT International spol. s r.o.)
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AUSPICES

The 20th European Symposium on Poultry Nutrition
will be held under the auspices of **Marian Jurečka**
Minister of Agriculture of the Czech Republic



MINISTERSTVO ZEMĚDĚLSTVÍ

PROGRAMME AT A GLANCE

	Monday 24 August	Tuesday 25 August	Wednesday 26 August	Thursday 27 August	
08:30–10:00		Plenary Session 1 Processes in the digestive tract	Plenary Session 3 Fats and energy sources	Plenary Session 5 Chick quality and flock performance	08:30–10:00
10:00–10:05		Break	Break	Break	10:00–10:05
10:05–10:45		Discussion Groups	Discussion Groups	Discussion Groups	10:05–10:45
10:45–11:00		Coffee Break	Coffee Break	Coffee Break	10:45–11:00
11:00–11:30		Short Oral Presentations	Short Oral Presentations	Plenary Discussion	11:00–12:00
11:30–12:30		Plenary Discussion	Plenary Discussion	Lunch Break I Exhibition I Posters	12:00–13:30
12:30–14:00		Lunch Break I Exhibition I Posters	Lunch Break I Exhibition I Posters	Plenary Session 6 Turkey and duck nutrition	13:30–15:00
14:00–15:00		Plenary Session 2 Amino acids	Poster Discussion		
15:00–15:30	Registration		Coffee Break	Break	15:00–15:05
15:30–15:35		Break	Plenary Session 4 Hot topics	Discussion Groups	15:05–15:45
15:35–16:15		Discussion Groups		Coffee Break	15:45–16:00
16:15–16:30		Coffee Break		Plenary Discussion	16:00–17:00
16:30–17:00		Short Oral Presentations			Closing Ceremony
17:00–17:30		Plenary Discussion			
17:30–18:00					
18:00–19:00		Opening Ceremony	Poster Discussion		
19:00–20:00	Get Together Party				17:30–23:00
20:00–21:00		Gala Reception			
21:00–23:00					



SCIENTIFIC PROGRAMME

MONDAY, AUGUST 24, 2015

- 18:00–19:00 **Opening Ceremony** FORUM HALL*
- 19:00–21:00 **Get Together Party** FOYER & EXHIBITION AREA

TUESDAY, AUGUST 25, 2015

- 08:30–10:00 **Plenary Session 1: Processes in the digestive tract** FORUM HALL*
Chairpersons: Rodehutscord M. (Germany) and Narcy A. (France)
- 08:30–09:00 **Protein digestion re-visited by proteomics**
Duclos M. J. (INRA, France)
- 09:00–09:30 **Relevance of gut microbiota for digestion**
Zentek J. (Free University of Berlin, Germany)
- 09:30–10:00 **Development of the gut associated immune system**
Kaspers B. (University of Munich, Germany)
- 10:00–10:05 **Break**
- 10:05–10:45 **Discussion Groups** DISCUSSION GROUPS ROOMS
- 10:45–11:00 **Coffee Break**
- 11:00–11:30 **Short Oral Presentations** FORUM HALL*
- Altering the Ca to P ratio in a pre-starter diet: its impact on early chick performance and bone ash in relation to chick hatch time**
Muir W. (Australia)
- Impact of lactylates on production performance and intestinal health of broiler chickens during subclinical *Clostridium perfringens* challenge**
Lima L. (the Netherlands)
- Phytase modulates ileal microbiota and enhances growth performance of the broiler chickens**
Ptak A. (Poland)

*Live streaming of sessions from Forum Hall will be projected at Meeting Hall V.

Phytate degradation in broilers as affected by dietary phytate and non-phytate phosphorus content

Van Krimpen M. (the Netherlands)

Impact of dietary phosphorus and calcium feeding strategies on intestinal gene expression of broilers

Valable A. (Canada)

Bioavailability of zinc oxides in broilers

Narcy A. (France)

11:30–12:30 Plenary Discussion FORUM HALL*

12:30–14:00 Lunch Break & Exhibition & Posters

14:00–15:30 Plenary Session 2: Amino acids FORUM HALL*

Chairpersons: *Langhout P. (the Netherlands)* and *Delezie E. (Belgium)*

14:00–14:30 **Relevance of glycine in low protein broiler feeds**

Siegert W. (University of Hohenheim, Germany)

14:30–15:00 **Revisiting amino acid nutrition**

Tesseraud S. (INRA, France)

15:00–15:15 **The nutritional value of yellow lupin (*Lupinus luteus*) for broilers**

Kaczmarek S. (Poznań University of Life Sciences, Poland)

15:15–15:30 **Evaluation of a Lys to Arg antagonism in low crude protein diets for broiler chickens**

Schedle K. (University of Natural Resources and Life Science, Vienna, Austria)

15:30–15:35 Break

15:35–16:15 Discussion Groups DISCUSSION GROUPS ROOMS

16:15–16:30 Coffee Break

16:30–17:00 Short Oral Presentations FORUM HALL*

Guanidinoacetic acid as an additive to broiler diets

Zelenka J. (Czech Republic)

Effects of different feeding strategies during rear and lay on incubation traits in broiler breeder females

Van Emous R. (the Netherlands)

*Live streaming of sessions from Forum Hall will be projected at Meeting Hall V.



The effects of low dietary protein levels on feed intake and hypothalamic AMPK of broiler chicks

Wang Y. (Belgium)

Solid-State Fermented Cereals Promises a Growth Promoting Effect in Broiler Chicken

Yasar S. (Turkey)

Influence of combined effect of temperature stimulation during the last days of incubation and of different protein and energy concentrations in the feed on growing performance of cockerels of different strains

Halle I. (Germany)

Standardized ileal amino acid digestibility in pea products fed to growing turkeys

Kozłowski K. (Poland)

17:00–18:00 **Plenary Discussion**

18:00 **Poster Discussion**

20:00 **Gala Reception**

FORUM HALL*

POSTER AREA

NATIONAL HOUSE OF VINOHRADY

**Live streaming of sessions from Forum Hall will be projected at Meeting Hall V.*

WEDNESDAY, AUGUST 26, 2015

- 08:30–10:00** **Plenary Session 3: Fats and energy sources** **FORUM HALL***
 Chairpersons: Kwakkel R. (the Netherlands) and Svihus B. (Norway)
- 08:30–09:00 **Fiber in poultry nutrition: Bonus or burden?**
de Vries S. (Trouw Nutrition R&D, the Netherlands)
- 09:00–09:30 **Comparative interests and limits of metabolizable energy and net energy for evaluating poultry and pig feeds**
Noblet J. (INRA, France)
- 09:30–10:00 **Evaluating the energy content of ingredients in poultry diets – An update**
Mateos G. G. (Technical University of Madrid, Spain)
- 10:00–10:05** **Break**
- 10:05–10:45** **Discussion Groups** **DISCUSSION GROUPS ROOMS**
- 10:45–11:00** **Coffee Break**
- 11:00–11:30** **Short Oral Presentations** **FORUM HALL***
- Cereal type but not the length of adaptation to experimental diets influenced dietary metabolisable energy for broilers**
Olukosi O. (United Kingdom)
- Dietary fat source and vitamin E level affect the humoral immunity in broilers**
Konieczka P. (Poland)
- Energy partitioning in broiler chickens fed diets containing a high level of canola meal supplemented with a carbohydrase enzyme**
Choct M. on behalf of Toghyani M. (Australia)
- Effect of different dosages of coated butyric acid on growth performance and energy utilization in broilers**
Kaczmarek S. (Poland)
- Effect of iso-energetic exchange of dietary fat and starch on the growth performance and body composition of broilers**
Veldkamp T. (the Netherlands)
- Starch digestion in xylanase supplemented maize-soy diets**
Lee S. (United Kingdom)



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| 11:30–12:30 | Plenary Discussion | FORUM HALL* |
| 12:30–14:00 | Lunch Break & Exhibition & Posters | |
| 14:00–15:00 | Poster Discussion | POSTER AREA |
| 15:00–15:30 | Coffee Break | |
| 15:30–17:00 | Plenary Session 4: Hot topics
Chairpersons: <i>Calini F. (Italy) and Uni Z. (Israel)</i> | FORUM HALL* |
| 15:30–16:00 | Impact of feed mycotoxins on performance and health of poultry
<i>Dänicke S. (Federal Research Institute for Animal Health, Germany)</i> | |
| 16:00–16:30 | How to feed layers until 100 weeks? – A practical approach
<i>Pottgueter R. (Lohmann Tierzucht GmbH, Germany)</i> | |
| 16:30–17:00 | Insects as poultry feed
<i>Józefiak D. (Poznań University of Life Science, Poland)</i> | |

*Live streaming of sessions from Forum Hall will be projected at Meeting Hall V.

THURSDAY, AUGUST 27, 2015

- 08:30–10:00** **Plenary Session 5: Chick quality and flock performance** **FORUM HALL***
 Chairpersons: *Steenfeldt S. (Denmark) and Noy Y. (Israel)*
- 08:30–09:00 **Imprinting – pre/post hatch as a nutritional tool**
Angel R. (University of Maryland, United States)
- 09:00–09:30 **Improving broiler performance through breeder nutritional management**
Zuidhof M. J. (University of Alberta, Canada)
- 09:30–10:00 **Nutritional solutions to improve broiler uniformity**
Gous R. M. (University of KwaZulu-Natal, South Africa)
- 10:00–10:05** **Break**
- 10:05–10:45** **Discussion Groups** **DISCUSSION GROUPS ROOMS**
- 10:45–11:00** **Coffee Break**
- 11:00–12:00** **Plenary Discussion** **FORUM HALL***
- 12:00–13:30** **Lunch Break & Exhibition & Posters**
- 13:30–15:00** **Plenary Session 6: Turkey and duck nutrition** **FORUM HALL***
 Chairpersons: *Dublecz K. (Hungary) and Waldenstedt L. (Sweden)*
- 13:30–14:00 **Nutritional requirements and feeding management of meat type ducks**
Baéza E. (INRA, France)
- 14:00–14:30 **Nutritional determinants for gut health and litter characteristics in turkeys**
Grimes J. L. (North Carolina State University, United States)
- 14:30–15:00 **Differences in amino acid and phosphorus digestibility between broiler chickens, turkeys and ducks**
Rodehutschord M. (University of Hohenheim, Germany)
- 15:00–15:05** **Break**
- 15:05–15:45** **Discussion Groups** **DISCUSSION GROUPS ROOMS**

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20th EUROPEAN SYMPOSIUM ON POULTRY NUTRITION

15:45–16:00 **Coffee Break**

16:00–17:00 **Plenary Discussion**

17:00–17:30 **Closing Ceremony**

FORUM HALL*

FORUM HALL*

Last update on August 7, 2015.



**Live streaming of sessions from Forum Hall will be projected at Meeting Hall V.*

POSTERS

Posters should be set up in the Poster Area from 15:00 on August 24 and must be removed by 17:00 on August 27 at the latest. Those posters which will remain in the Poster Area after its closing will not be kept.

There will be no organized or moderated discussions over posters. The presenting author should be available near the poster during the Poster Discussion on Tuesday, August 25, 2015 (18:00–19:00) and on Wednesday, August 26, 2015 (14:00–15:00) to discuss his/her poster with interested colleagues.

ADDITIVES

P-001 (ID 94)

THE EFFICACY OF CERTAIN FEED ADDITIVES FOR THE PREVENTION OF *CAMPYLOBACTER JEJUNI* INFECTION IN BROILER CHICKENS

Wafaa Abd El-Ghany, Mohammed Awaad, Nagwa Rabie (Egypt)

P-002 (ID 62)

EVALUATION OF THE EFFECTS OF PROBIOTICS ON BACTERIAL CHONDRONECROSIS WITH OSTEOMYELITIS LAMENESS AND ANTIBIOTICS USE IN BROILER CHICKENS UNDER COMMERCIAL CONDITIONS

Wael Abdelrahman, Michaela Mohnl, Luca Vandi, Gino Totté, Liesbeth Dingboom, Peter Jacobs (Austria & the Netherlands)

P-003 (ID 130)

THE USE OF PROBIOTICS IN COCCIDIOSIS CONTROL AND ITS EFFECT ON PERFORMANCE IN BROILERS UNDER COMMERCIAL FIELD CONDITION

Wael Abdelrahman, Michaela Mohnl, Isabelle Dewaele (Austria & Belgium)

P-005 (ID 28)

EFFECT OF SODIUM BENTONITE AND SEEDS OF *SILYBUM MARIANUM* ON LIVER ENZYMES, LYMPH ORGANS AND IMMUNE SYSTEM OF BROILER CHICKENS FED WITH AFLATOXIN

Nazar Afzali, Pouyan Malekinejad, Abbas Mohamadi, Hadi Sarir (Iran)

P-006 (ID 293)

EFFECT OF A HYDROLYSABLE TANNIN FROM CHESTNUT WOOD (SAVIOTAN®) ON DIGESTIBILITY AND NITROGEN BALANCE IN BROILER CHICKENS

Mauro Antongiovanni, Sara Minieri, Arianna Buccioni (Italy)

P-007 (ID 213)

A VALUE-BASED APPROACH TO DETERMINE THE OPTIMAL DOSE OF AN *E. COLI* PHYTASE IN TERMS OF P REPLACEMENT AND IMPROVEMENTS IN BROILER PERFORMANCE

Luke Barnard, Farina Khattak, Luis Romero (UK)



P-008 (ID 146)

COMPARATIVE EFFICIENCY OF TWO MARIGOLD-BASED YELLOW PIGMENTS ON EGGS TARGETING PASTA INDUSTRY

Marta Blanch, Wei Kong, Tom Hampton, Juan Valle (Spain & USA)

P-009 (ID 261)

IMPACT OF LACTYLATES ON PRODUCTION PERFORMANCE AND INTESTINAL HEALTH OF BROILERS IN TWO DIFFERENT *CLOSTRIDIUM PERFRINGENS* CHALLENGE MODELS

Bart Boomsma, Syrena Powell, Delphine Melchior, Symone Kok (the Netherlands & USA)

P-010 (ID 277)

EFFECTS OF FEEDING ORIGINAL XPC ON *SALMONELLA TYPHIMURIUM* OR *S. HEIDELBERG* PREVALENCE AND LOAD IN BROILER CHICKENS

Jonathan Broomhead, Doug Smith, Don McIntyre (USA)

P-011 (ID 220)

VITAMIN D ENRICHMENT OF EGGS FOR HUMAN HEALTH

Linda Browning, Aaron Cowieson (Australia)

P-012 (ID 198)

EFFECT OF NUCLEOTIDES ENRICHED YEAST EXTRACTS ON VILLUS LENGTH AND GOBLET CELL COUNTING IN BROILER INTESTINE

M Teresa Brufau, Nerea González-Jurado, Anna M Pérez-Vendrell, Romain D'Inca, Eric Auclair, Borja Vilà, Joaquim Brufau, Ruth Ferrer, Raquel Martín-Venegas (Spain & France)

P-013 (ID 193)

EFFECTS OF THE INCLUSION OF NA-BUTYRATE IN DIETS BASED ON CORN OR WHEAT WITH DIFFERENT AMEN CONTENT EFFECTS ON GROWTH PERFORMANCE OF BROILERS REARED UNDER POOR HYGIENE CONDITIONS

Lourdes Cámara, Mohammad Vahid Kimiaetalab, Irene Solís, Pilar Guzmán, Andrés Ortíz, Gonzalo G. Mateos (Spain)

P-014 (ID 195)

EFFECT OF FEEDING DIFFERENT COMBINATIONS OF ORGANIC ACIDS, MONO-GLYCERIDES AND PROBIOTICS ON *CAMPYLOBACTER* COLONIZATION IN BROILERS

Oscar Casabuena, M. Chemally, M. Den Hartog, P. Vesseur, Marta I. Gracia (Spain, France & the Netherlands)

P-016 (ID 51)

THE EFFECTS OF DIETARY PLANT ALKALOIDS SUPPLEMENTATION WITH VARIOUS LEVELS OF DIGESTIBLE LYSINE–METHIONINE AND CALCIUM–NON PHYTIC PHOSPHORUS RATIO ON PRODUCTIVE PERFORMANCES, CARCASS CHARACTERISTICS AND MEAT QUALITY OF BROILER

Nantana Chauychwong, Keatisak Soisuwan (Thailand)

P-017 (ID 329)**EFFICACY OF COATED CALCIUM BUTYRATE ON PERFORMANCE, EGG QUALITY AND INCUBATION PARAMETERS IN BROILER BREEDERS***Evelyne Delezie, Beatrice Wegge, Luc Goethals, Sam De Campeneere (Belgium)***P-018 (ID 239)****HISTOLOGICAL STUDIES ON THE EFFECT OF PREBIOTICS ON BURSA OF FABRICIUS AND CAECAL TONSILS OF BROILERS***Hany El Habbak, Abd El-Aleem El-Saba, Mohamed Abd, Elhadi AL-Werfaly (Egypt & Libya)***P-019 (ID 216)****INFLUENCE OF DIETARY STEARIDONIC ACID (18:4N-3) ON VERY LONG-CHAIN OMEGA-3 FATTY ACID DEPOSITION IN BROILER CHICKEN TISSUES***Robert Elkin, Yun Ying, Kevin Harvatine (USA)***P-020 (ID 100)****EFFECT OF BEE POLLEN ON GROWTH PERFORMANCE AND IMMUNE STATUS OF YOUNG BROILER CHICKS***Alireza Fazayeli-Rad, Nazar Afzali, Homayoun Farhangfar, Mohammad Reza Asghari (Iran)***P-021 (ID 101)****EFFECT OF BEE POLLEN ON INTESTINAL MORPHOMETRY AND SELECTED BLOOD PARAMETERS IN BROILER CHICKS***Alireza Fazayeli-Rad, Nazar Afzali, Homayoun Farhangfar, Mohammad Reza Asghari (Iran)***P-023 (ID 332)****EXAMINATION OF BROILER CHICKEN VILLI EVOLUTION AFTER HERBAL EXTRACT FEEDING***János Gál (Hungary)***P-024 (ID 165)****EFFECT OF AN ALGAE-CLAY MIX ON THE USE BY BROILER CHICKENS OF A DIET CONTAINING CORN DDGS***Marie Gallissot, Mohamed El Hassimou Dia, Eve Coueron, Anne Trotel, Eric Pagot (France)***P-025 (ID 10)****EFFECTS OF ANTIBIOTIC AND PROBIOTIC FEED ADDITIVES ON GROWTH PERFORMANCE AND DIGESTIBILITY OF FEED NUTRIENTS IN GIT OF BROILER CHICKENS***Alena Grozina, Georgy Laptev (Russian Federation)***P-026 (ID 9)****INFLUENCE OF ANTIBIOTIC AND PROBIOTIC FEED ADDITIVES ON GUT MICROFLORA OF BROILER CHICKENS***Alena Grozina, Georgy Laptev (Russian Federation)*



P-027 (ID 200)

EFFECT OF DIETARY INCLUSION OF MEDIUM CHAIN FATTY ACIDS AND BUTYRATE ON PERFORMANCE OF LAYING HENS AND FATTY ACIDS PROFILE; SENSORY AND TEXTURAL PROPERTIES OF EGGS

Romas Gruzauskas, Vilma Sasyte, Vilma Kliseviciute, Asta Raceviciute-Stupeliene, Virginijus Slausgalvis, Jamal Al-Saifi, Aldona Miezeleiene, Gitana Alencikiene, Gintautas Juozas Svirnickas (Lithuania & Belgium)

P-028 (ID 214)

CANTHAXANTHIN FROM CAROPHYLL® RED CAN IMPROVE THE VITELLINE MEMBRANE STRENGTH IN STORED EGGS FROM BREEDER HENS

Catherine Hamelin, Fernando Cisneros (France & Switzerland)

P-029 (ID 244)

SUPPLEMENTATION OF BUTYRIC ACID PRODUCING PROBIOTIC VERSUS DIETARY BUTYRATE

Veerle Hautekiet, Alain Kanora, Motomichi Takahashi (Belgium & Japan)

P-031 (ID 196)

EFFECT OF MEDIUM CHAIN FATTY ACIDS ON BROILER PERFORMANCE IN ENERGY REDUCED DIETS

David Hermans, Manu De Laet, Ellen Van Meenen (Belgium)

P-032 (ID 325)

GROWTH PROMOTING EFFECT OF ASPERGILLUS LUCHUENSIS IN BROILER

Kumiko Hioki, Chihoko Kawasaki, Masahiro Yamamoto, Kunioki Hayashi (Japan)

P-033 (ID 182)

CAN ADDITIONAL ENZYME IMPROVE PERFORMANCE IN BROILERS FED A LOW PROTEIN DIET?

Emma Ivarsson, Ida Elgåsen, Helena Wall (Sweden)

P-034 (ID 263)

EFFECT OF DIFFERENT LEVELS OF ARTICHOKE (CYNARASCOLYMUS L.) EXTRACT SUPPLEMENTATION IN DRINKING WATER ON THE IMMUNOLOGICAL RESPONSE AND YOLK RETENTION OF BROILER CHICKENS

Patipan Jaipeng, Jamlong Mitthaotai, Kornkamon Paditporn, Rachakris Lertpatarakomol, Sunisa Sirimongkolvorakul (Thailand)

P-035 (ID 330)

EFFECT OF A PHYTOGENIC FEED ADDITIVE ON PROTEIN AND AMINO ACID DIGESTIBILITY IN BROILERS

Leopold Jungbauer, A. Müller, J. D. van der Klis (Austria)

P-036 (ID 331)

EFFECTS OF COMBINING A PHYTOGENIC SUBSTANCES WITH ESTERS OF SHORT AND MEDIUM CHAIN FATTY ACIDS ON PRODUCTION PERFORMANCE IN BROILERS

Leopold Jungbauer, Jan Dirk van der Klis (Austria)

P-037 (ID 162)

A BACILLUS SUBTILIS BASED PROBIOTIC AIDS IN OVERCOMING THE PERFORMANCE LOSS ASSOCIATED WITH DIETS REDUCED IN ENERGY

Anée Kehlet, Michael Sims (Denmark & USA)

P-040 (ID 250)

EVALUATION OF CHOLINE CHLORIDE REPLACEMENT BY A POLYHERBAL MIXTURE IN INTENSIVE BROILER PRODUCTION

Jean François Le Roux, Homero Borin, Christophe Alleno (France & Switzerland)

P-041 (ID 222)

EFFECT OF ARTICHOKE (*CYNARA SCOLYMUS L.*) EXTRACT SUPPLEMENTATION IN DRINKING WATER ON GROWTH PERFORMANCE OF BROILER CHICKENS

Rachakris Lertpatarakomol, Patiparn Jaipeng, Sunisa Sirimongkolworakul, Kornkamol Paditporn, Jamlong Mitchaothai (Thailand)

P-042 (ID 234)

EFFECT OF DIETARY SODIUM DIFORMATE ON GROWTH PERFORMANCE, NUTRIENT DIGESTIBILITY, GUT HEALTH AND PROFITABILITY IN BROILERS

Christian Lückstädt (Germany)

P-043 (ID 256)

EFFECT OF DIETARY SUPPLEMENTATION OF ENZYMES PRODUCED FROM *TRICHODERMA SP.* AND *ASPERGILLUS NIGER* ON PRODUCTION PERFORMANCE AND EGG PRODUCTION

Achara Lukkananukool, Theerapon Kaeo-wieng, Paitoon Kaewhom, Navaporn Chauynarong, Jamlong Mitchaothai (Thailand)

P-044 (ID 168)

THE ADDITION OF A NUTRITIONAL EMULSIFIER IMPROVES BROILER PERFORMANCE IN AN ENERGY DILUTED DIET

Luc Maertens, Saskia Leleu, Marc Rovers, Ludo Segers, Evelyne Delezie (Belgium & the Netherlands)

P-045 (ID 29)

DIFFERENT LEVELS OF SODIUM BENTONITE AND *SILYBUM MARIANUM* SEEDS IN REDUCING THE ADVERSE EFFECTS OF AFLATOXIN ON BLOOD LIPID LEVELS AND THE RELATIVE WEIGHT OF DIGESTIVE ORGANS OF BROILER CHICKENS

Pouyan Malekinejad, Nazar Afzali, Abbas Mohamadi, Hadi Sarir (Iran)



P-046 (ID 122)

EFFECT OF LIGNOCELLULOSE ON EGG PRODUCTION AND EGG QUALITY

Niko Milošević, Mirjana Đukić Stojčić, Lidija Perić, Marina Vukić-Vranješ (Serbia)

P-047 (ID 226)

EFFECT OF DIETARY SUPPLEMENTATION OF *BOESENBERGIA PUNDURATA* ON SMALL INTESTINAL MORPHOLOGY AND IMMUNOLOGICAL RESPONSE OF BROILER CHICKENS

Jamlong Mitchaothai, Patipan Jaipeng, Rachakis Lertpatarakomol, Kiatchai Rojanamongkol (Thailand)

P-048 (ID 232)

A NOVEL IN VITRO POULTRY MODEL TO COMPARE RELEASE KINETICS OF (UN) PROTECTED BUTYRATE

Pierre C. A. Moquet, Lonneke Onrust, Rosalie van Emous, René P. Kwakkel (the Netherlands & Belgium)

P-049 (ID 147)

EFFECTS OF *SACCHAROMYCES CEREVISIAE* VAR. *BOULARDII* DIETARY SUPPLEMENTATION ON BROILER GROWTH PERFORMANCE AND SALMONELLA LOAD IN THE GUT AND CARCASS SKIN FOLLOWING CHALLENGE WITH *SALMONELLA ENTERITIDIS*

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Yuwares Ruangpanit, Seksom Attamangkune, Sukanya Rattanatubtimong, Chudapa Janchang (Thailand)

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Yuwares Ruangpanit, Seksom Attamangkune, Amnart Reansoi (Thailand)

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Jaime Sánchez, A. Parra, Y. Carre, A. Csorbai, Marta I. Gracia (Spain & France)

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Han-Tae Bang, Hwan-Ku Kang, Ji-Hyuk Kim, Jong Hwangbo, Chan-Ho Kim (South Korea)

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Tatiana Egorova, Tatiana Lenkova (Russian Federation)

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Barbara Novak, Elisabeth Mayer, Sabine Hessenberger, Gerd Schatzmayr (Austria)

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SIMULATION AND EXPERIMENTAL VALIDATION TO PREDICT FEED INTAKE IN PRE-LAYING PHASE

Hilda Palma Bendezu, Nilva Kazue Sakomura, Euclides Braga Malheiros, Juliano Paula Dorigam (Brazil)

P-257 (ID 129)

EFFECT OF A NOVEL CARBOHYDRATE FRACTION ON INTESTINAL MORPHOLOGY OF BROILER CHICKENS

Lidija Perić, Mirko Ivković, Dragan Žikić, Peter Spring (Serbia & Switzerland)

P-258 (ID 145)

THE DEVELOPMENT OF LACTOBACILLI IN THE BROILER GASTROINTESTINAL TRACT

Samir Ranjitar, Ricarda M. Engberg, Blair Lawley, Gerald Tannock (Denmark & New Zealand)

P-259 (ID 37)

FEED PRACTICES IN AUSTRALIAN FREE-RANGE EGG PRODUCTION

Isabelle Ruhnke, Carolyn DeKoning, Kelly Drake, Mingan Choct, Mini Singh (Australia)

P-260 (ID 245)

HISTOMORPHOMETRIC MEASURES OF INTESTINAL SEGMENTS OF EMBRYOS AND BROILER CHICKS HATCHED FROM DIFFERENT EGG WEIGHTS AND FED INCREASED DIGESTIBLE LYSINE LEVELS IN PRE-STARTER DIETS

Januaría Silva Santos, Eduardo Miranda De Oliveira, Andre Luiz Machado Carneiro, Maria Auxiliadora Andrade, Marcos Barcellos Cafe, Jose Henrique Stringhini (Brazil)

P-261 (ID 88)

EFFECTS OF SLAUGHTER WEIGHT AND SEX ON CARCASS YIELD, FAT AND FATTY ACID COMPOSITION OF MEAT IN BROILERS

Arda Sozcu, Umran Sahan (Turkey)

P-262 (ID 82)

ELEVATED HATCHER TEMPERATURE AFFECTS ONE DAY OLD CHICK QUALITY AND GROWTH PERFORMANCE DURING EARLY POST-HATCH PERIOD

Arda Sozcu, Aydin Ipek (Turkey)

P-263 (ID 240)

SURVEY ON THE COCCIDIOSIS PREVENTION STRATEGIES AND PRACTICES IN THE AMERICAS

Vasil Stanev, Roberto Carlos Vargas, Marco Quiroz, Dieter Vancaeynest (France)

P-264 (ID 149)

EFFECT OF DIFFERENT DIETARY LEVELS OF ENERGY AND PROTEIN ON PERFORMANCE OF JAPANESE QUAIL DURING GROWER PHASE

Hamid Reza Taheri, Mohammad Abbasi (Iran)

P-265 (ID 140)

GROWTH PERFORMANCE AND IMMUNE RESPONSE OF BROILER CHICKENS FED DIETS SUPPLEMENTED WITH PROBIOTIC AND PREBIOTIC, INDIVIDUALLY OR IN COMBINATION

Hamid Reza Taheri, Mozghan Kokabi Moghadam, Mohammad Kakebaveh, Taher Harakinezhad (Iran)



P-266 (ID 6)

STARCH AND PROTEIN INTESTINAL UPTAKES IN TANDEM INFLUENCE WEIGHT GAIN OF BROILER CHICKENS

Ha Truong, Rachael Bold, Sonia Liu, Peter Selle (Australia & UK)

P-267 (ID 158)

THE EFFECT OF GENOTYPE, HOUSING SYSTEM AND CALCIUM ON OVIPOSITION TIME AND EGG SHELL QUALITY

Eva Tůmová, Vladimíra Charvátová, Michaela Englmaierová (Czech Republic)

P-268 (ID 118)

THE EFFECT OF EARLY FEED RESTRICTION, GENOTYPE AND SEX ON PERFORMANCE AND CARCASS COMPOSITION OF BROILER CHICKENS

Linda Uhlířová, Eva Tůmová (Czech Republic)

P-269 (ID 223)

EFFECT OF FEED AND WATER ACCESS ON HATCHLING BODY WEIGHT CHANGES BETWEEN HATCH AND PULL

Carla van der Pol, Conny Maatjens, Gerald Aalbers, Inge van Roovert-Reijrink (the Netherlands)

P-270 (ID 153)

EFFECTS OF DIFFERENT FEEDING STRATEGIES DURING REAR AND LAY ON EGG WEIGHT, AGE OF SEXUAL MATURITY AND PEAK PRODUCTION IN BROILER BREEDER FEMALES

Rick van Emous, René Kwakkel, Marinus van Krimpen (the Netherlands)

P-272 (ID 323)

THE EFFECT OF INCREASING METABOLIZABLE ENERGY, LEVEL AND DURATION OF FEED RESTRICTION ON PERFORMANCE AND INTESTINAL MORPHOLOGY IN BROILER CHICKENS

Zahra Zangane, Soudabeh Moradi, Alireza Abdolmohammadi (Iran)

POSTER SESSION HAPPY HOURS



25 August, 2015, 18:00–19:00

POSTER AREA



26 August, 2015, 14:00 – 15:00

POSTER AREA

A small refreshment will be served during the Poster Session Happy Hours.
All participants are kindly invited.

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SATELLITE SYMPOSIA

MONDAY, 24 AUGUST, 2015



MEETING HALL V

ADISSEO

Title: **The 9th Advancia International Seminar**
Amino acids, redox balance and anti-oxidant mechanisms

Time: 08:15–13:00

Chairmen: *Prof Mingan Choct* and *Prof Peter Surai*

Programme:

08:15 **Welcome and Introduction**
Dr Pierre-André Geraert

08:30–10:00 **Immunity, Redox balance and Anti-Oxidant mechanisms**
Redox biology, amino acids and feed efficiency: what proteogenomic studies can reveal
Prof Walter Bottje
Selenoproteins: from anti-oxidant to immune potential
Dr Mickaël Briens

10:00–10:30 **Coffee Break with my PNE**

10:30–11:45 **Update on recent researches**
Methionine and immunity
Prof Sammy Aggrey
Impact of methionine deficiency on protein metabolism
Dr Sophie Tesseraud
Meat quality: impact of anti-oxidants
Dr Mario Estevez

11:45–12:45 **Round Table and Take home messages**
Prof Mingan Choct and *Prof Peter Surai*
Formulating with low protein: diets
Formulating with antioxidant potential



DSM

MEETING HALL IV

Title: **Gut health in poultry: Lessons from human & animal physiology**
Time: 15:30–17:30
Chairman: *Dr. Fidelis Fru*, R&D Director, Animal Nutrition & Health, DSM

Programme:

New research into the human gut and its relevance to gut health in poultry
Dr. Jan Sikkema, Director Center for Development and Innovation, University Medical Center Groningen, The Netherlands

Nutrigenomics & nutrigenetics in poultry: definition, examples and perspectives
Dr. Michel Duclos, Director of INRA Avian research unit, Nouzilly, France

Developing a gut health solution requires a new holistic direction
Dr. Fidelis Fru, R&D Director, Animal Nutrition & Health, DSM

Interactive discussion

2015
ESPAN



TUESDAY, 25 AUGUST, 2015



WINNING FORMULAS

PERSTORP

FORUM HALL

Title: **The science and practice of butyric acid
in poultry nutrition today**

Time: 13:00 – 13:45

Speaker: **Dr. Geert Wielsma DVM**, Product manager at Perstorp

Brief introduction of the presentation:

For over three decades, butyric acid has been studied as a feed additive in many different species. The mode of action is complex and diverse. New technologies to deliver butyric acid in the small intestine of animals have opened the door to new applications of the molecule. The positive effects on gut wall integrity, microbiota and the immune system make butyric acid an excellent tool to modulate gut health. With an increasing pressure to reduce the use of antibiotics in animal feed and at the same time the need to improve technical performance on farm level, solutions that improve gut health are much needed.

Perstorp is one of the few basic producers of butyric acid in the world. With the development of new solutions to influence gut health in poultry, Perstorp tries to help solve the questions of today's industry needs. In this presentation you will be updated with the latest insights in the use of gut health improving solutions, with special attention to the use of butyric acid.

THURSDAY, 27 AUGUST, 2015



SOLUTIONS SERVICE SUSTAINABILITY™

NOVUS INTERNATIONAL

FORUM HALL

Title: **Environmental constraints in poultry related to Zn, Cu and Mn**

Time: 12:30–13:15

Speaker: **Laura Star, PhD**, Schothorst Feed Research, Researcher Poultry Nutrition

Register online at www.novusint.com/ESPN2015, at the Novus stand or before the symposium at the Forum Hall entrance.

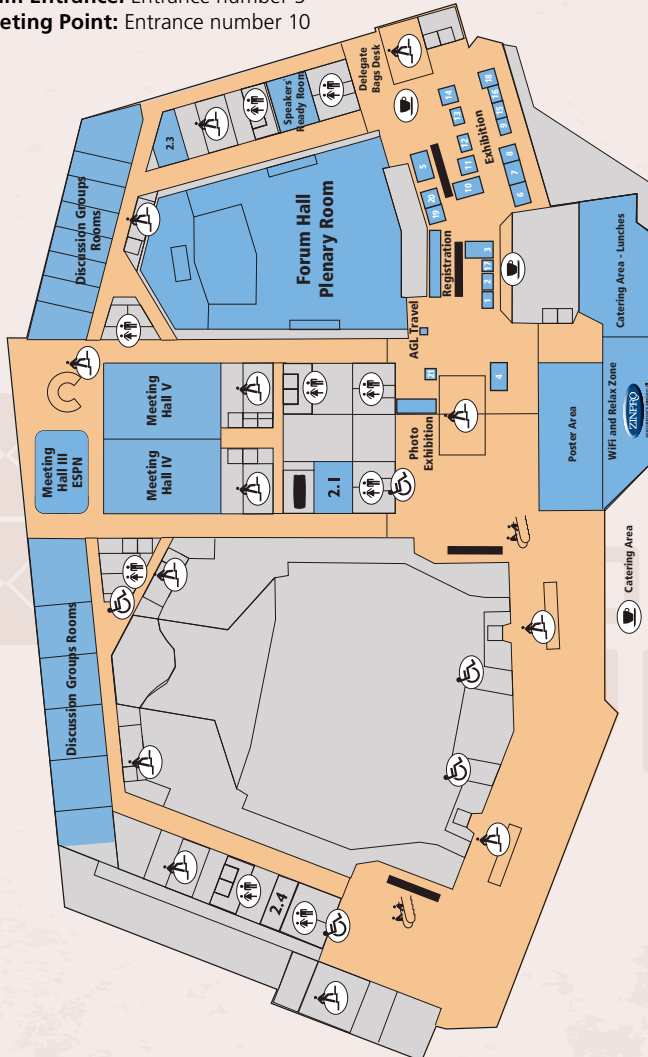
SYMPOSIUM VENUE

Prague Congress Centre (PCC), 5. května 65, 140 21 Prague 4, Czech Republic,
Phone: +420 261 171 111, website: www.kcp.cz

Public transport: Metro Line C (red), Vyšehrad station

Symposium Entrance: Entrance number 5

Tours Meeting Point: Entrance number 10





EXHIBITION PLAN & LIST OF EXHIBITORS

LIST OF EXHIBITORS:

- | | |
|--|---|
| 1 - Alltech | 12 - EW Nutrition |
| 2 - Aviagen | 13 - Impextraco |
| 3 - BIOMIN GmbH | 14 - Delacon Biotechnik GmbH |
| 4 - Perstorp | 15 - Phytobiotics Futterzusatzstoffe GmbH |
| 5 - DSM | 16 - AB Vista |
| 6 - Adisseo | 17 - Context Publications |
| 7 - Huvepharma | 18 - Sadepan Chimica Srl. |
| 8 - DuPont Industrial Biosciences | 19 - Elanco Animal Health |
| 9 - Nuscience | 20 - Evonik Industries AG |
| 10 - Novus International | 21 - WPSA |
| 11 - Zoetis International Services SAS | |



EXHIBITION HOURS:

Monday, 24 August, 2015	18:00 – 21:00
Tuesday, 25 August, 2015	09:00 – 17:00
Wednesday, 26 August, 2015	09:00 – 17:00
Thursday, 27 August, 2015	09:00 – 15:00

COMPANY PROFILES

AB VISTA

AB Vista is a specialist producer of feed ingredients, and a division of AB Agri, the agricultural arm of Associated British Foods (ABF) Ltd.

ADISSEO

Adisseo is one of the world's leading experts in feed additives. The group relies on its 7 research and technology centers and its production sites based in Europe and China to design, produce and market nutritional solutions for sustainable animal feed. With 1,800 employees, it serves more than 2,600 customers in over 100 different countries through its global distribution network. In 2014, Adisseo achieved a turnover of over 1 billion euros. Adisseo is one of the main subsidiaries of China National BlueStar, leader in the Chinese chemical industry with nearly 25,000 employees and a turnover of 50.2 billion RMB (6.1 billion euros).

www.adisseo.com

ALLTECH

Alltech's solutions for poultry provide our customers with a competitive advantage through nutritional technologies tailored to address challenges impacting modern poultry production and profitability.

AVIAGEN

Aviagen Broiler Breeders supplies day-old grandparent and parent stock chicks to customers in 130 countries worldwide under the Arbor Acres®, Indian River®, and Ross® brand names.

BASF

At BASF, we create chemistry – and have been doing so for 150 years. Feed producers, farmers, animals and consumers – all can benefit from our research and development committed to feeding the world's growing population. Our enzymes, glycinates, vitamins, carotenoids, organic acids, clays, and omega-6's help farmers raise vital animals.

BIOMIN GmbH

At BIOMIN we harness the power of science to support animal health and performance. By applying state-of-the-art and proprietary technology we deliver natural, sustainable and profitable solutions to the livestock industry. For over 30 years we have pioneered innovative solutions for mycotoxin risk management and gut performance.

Our in-house R&D program at the BIOMIN Research Center is staffed by 80 scientific researchers and supported by eight Centers for Applied Animal Nutrition and a research



network of 200 academic and research institutions globally. Our clients in the poultry, swine, cattle and aquaculture sectors are located in more than 100 countries worldwide.

DELACON BIOTECHNIK GmbH

Delacon – performing nature

Founded and grown as an Austrian family business, Delacon has been the pioneer and global leader in phytogetic feed additives for more than 25 years. The company researches, develops and produces purely natural feed additives composed of herbs, spices and essential oils for ruminants, swine and poultry and coined the term 'phyto-genics'. The vision of company founder Helmut Dedl to replace antibiotic growth promoters by phytogetic feed additives and thus to ensure sustainable, profitable life production and food safety, still applies to the current CEO Markus Dedl as a guideline of corporate strategy.

DSM

DSM's world of Animal Nutrition & Health

DSM is one of the world's leading suppliers of vitamins, carotenoids, eubiotics and feed enzymes to the global feed, food, pharmaceutical and personal care industries.

DSM has a strong tradition as a pioneer in the discovery of new products, formulations and attractive applications for all industry segments and, supported by carefully targeted R&D, the company is able to respond actively to the current and future trends in the market place. DSM has the broadest range of ingredients in the industry.

In the feed industry, all of our products are specifically developed and formulated in terms of stability, bio-availability, handling properties, traceability and safety, to meet the requirements of modern-day animal feed production.

DSM creates effective nutritional solutions for poultry, swine, ruminants, aquaculture, helping farmers to meet increasing demands for welfare, environment, health, pigmentation, feed cost savings and sustainability.

DUPONT INDUSTRIAL BIOSCIENCES

Danisco Animal Nutrition helps animal producers maximize the return on their feed investment, improve liveability and tackle commercial sustainability challenges through deliver of optimized feed enzyme, betaine and probiotic feed solutions.

For more information, please visit: www.animalnutrition.dupont.com

ELANCO ANIMAL HEALTH

Hemicell is highly specific enzyme for poultry and swine diets. Its unique mode of action helps reduce energy loss caused by Feed Induced Immune Response (FIIR) to soluble β -mannans found in soybean meal and any other vegetable feed ingredients. With fewer β -mannans in feed, FIIR is reduced, allowing the animals to direct more energy to growth and performance.

EVONIK NUTRITION & CARE GmbH

Evonik Nutrition & Care GmbH produces and markets all four essential amino acids used in advanced animal nutrition: MetAMINO®, Biolys®, ThreAMINO® and TrypAMINO®. Mepron®, a rumen-stable DL-methionine for high-performance dairy cows, and CreAMINO®, a creatine source for broilers complement the product portfolio.

EW NUTRITION

EW Nutrition is a dynamic company, globally active with a strong science based portfolio of functional, innovative feed&food additives.

HUVEPHARMA

Huvepharma® is a European based, globally operating company, developing, producing and marketing animal health products and feed additives. Main focus of Huvepharma® is to improve the profitability and sustainability of the swine, poultry and cattle sector. This is shown by a continuous release and development of new effective products and convenient formulations and providing technical service, to support the animal production chain in producing efficiently healthy animal products. Huvepharma's enzyme range with OptiPhos® and Hostazym® X as well recognized brands, are part of this and famous for their effectiveness all around the world.

IMPEXTRACO

Impextraco® develops & produces feed ingredients that protect animal health and enhance productivity while respecting animal welfare & sustainability.

LOHMANN ANIMAL NUTRITION GmbH

Lohmann Animal Nutrition: for healthy animals through long-term expertise in feed formulation and the development of clever nutrition concepts.

NOVUS INTERNATIONAL

Novus International, Inc. is headquartered in St. Charles, Missouri, U.S.A. and serves over 3,000 customers in nearly 100 countries around the world. As a global leader in developing animal health and nutrition solutions, Novus provides a wide range of products including amino acids, organic trace minerals (OTMs), feed enzymes, eubiotic solutions, pigments and feed quality ingredients. These products deliver a demonstrable and sustainable value to animal protein producers, allowing for more efficient and cost-effective production.

Novus is proud to partner with the 20th European Symposium on Poultry Nutrition. Learn more at www.novusint.com/ESPN2015



NUSCIENCE

Nuscience Group is a global player in premixes, concentrates, mineral feed, nutritional concepts and feed additives in the animal nutrition industry.

PERSTORP

Perstorp is a leading provider of gut health and preservation solutions for the poultry industry. Perstorp produces organic acids and its derivatives to create value adding feed additives that serve today's industry needs. The global challenge to increase animal health and welfare and reduce the use of antibiotics at the same time requires new methods for feeding animals. With products such as ProPhorce™ SR, we aim to increase animal performance and optimize gut health in broilers and layers. Our global service team is happy to help you with any questions. Visit www.perstorp.com for more information.

PHYTOBIOTICS FUTTERZUSATZSTOFFE GmbH

Phytobiotics offers Sangrovit®, a phytogenic, natural performance enhancer, which improves feed conversion ratio, mortality rate and helps to maintain a healthy gut.

ZOETIS INTERNATIONAL SERVICES SAS

Building on more than 60 years of experience in animal health, Zoetis strives to support those who raise and care for farm animals by providing a range of products and services that offer tangible solutions to the many challenges veterinarians and livestock producers face every day.

For more information, visit www.zoetis.com.

INSTRUCTIONS FOR SPEAKERS

HOW TO SUBMIT YOUR PRESENTATION AT THE SYMPOSIUM

- Please come to the **Speakers' Ready Room** (Meeting room 2.2) at least 1 ½ hour before the beginning of your session. In case your speech has been scheduled for morning session please come to the **Speakers' Ready Room** (Meeting room 2.2) one day before the day of your presentation.
- **Speakers' Ready Room** (Meeting room 2.2) location will be marked in the final programme brochure.

Opening hours of the Speakers' Ready Room (Meeting room 2.2)

Monday, 24 August, 2015	15:00–21:00
Tuesday, 25 August, 2015	07:30–17:30
Wednesday, 26 August, 2015	07:30–17:00
Thursday, 27 August, 2015	07:30–11:30

OTHER INFORMATION

- During your lecture you will be using Remote Control for controlling your presentation.
- Your own notebook is allowed to use for presentation only after discussion with technician on-site.
- All presentations will be deleted from all the PC used during the Symposium.

We strongly ask all the speakers to keep the time of their presentations.



REGISTRATION

Registration Desk is situated on the 2nd floor.

REGISTRATION HOURS:

Monday, 24 August, 2015	15:00 – 21:00
Tuesday, 25 August, 2015	07:30 – 19:00
Wednesday, 26 August, 2015	08:00 – 17:30
Thursday, 27 August, 2015	08:00 – 18:00

WHAT IS COVERED BY THE FEE?

DELEGATE

Attending all Symposium Scientific Sessions
Participation in Opening Ceremony, Welcome Cocktail and Closing Ceremony
Admission to the Exhibition Area
Symposium bag, Symposium documents, Abstracts, Final Programme and other Symposium materials
Coffee breaks, Lunches
Free public transport ticket valid during symposium dates (24–27 August 2015) for all means of public transport in Prague


ACCOMPANYING PERSON

Participation in Opening Ceremony, Welcome Cocktail and Closing Ceremony
Admission to the Exhibition Area
Coffee breaks, Lunches
Free public transport ticket valid during symposium dates (24–27 August 2015) for all means of public transport in Prague
Prague City Tour (D1-1) on 26 August, 2015 organised by AGL travel

BADGE CATEGORIES

 DELEGATE

 VIP

 ORGANISER

Admission to: Symposium Scientific Sessions / Poster Area / Exhibition Area
Opening Ceremony / Welcome Cocktail / Closing Ceremony

 EXHIBITOR

 ACCOMPANYING PERSON

Admission to: Exhibition Area / Opening Ceremony / Welcome Cocktail
Closing Ceremony

BADGES

The badges are provided along with other symposium items upon registration.
Please wear them at all times during the symposium.

Please note that badge is an identification assuring your entrance to Symposium premises.

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SOCIAL PROGRAMME

OPENING CEREMONY & GET TOGETHER PARTY



- Date: Monday, 24 August, 2015
Time: 18:00–19:00 Opening Ceremony
19:00–21:00 Get Together Party
Venue: Prague Congress Centre, Forum Hall; Exhibition Area

Please join us for this social gathering! The Programme will start with a speech from Congress President followed by very special musician and light art performance.



GALA RECEPTION

NOVUS

SOLUTIONS SERVICE SUSTAINABILITY

Date: Tuesday, 25 August, 2015

Time: 20:00 – 23:00

Venue: National House of Vinohrady, Namesti Miru 9, 120 53 Prague 2

The Gala Reception will be held in the National House of Vinohrady. You are cordially invited to taste Czech and international cuisine and enjoy live entertainment with the possibility to get back to 30' and try to dance Charleston with professionals.



ESPAÑA



OPTIONAL CULTURE & TOURS

AGL Travel, a travel agency operating on the European tourism market for more than 10 years, will be organizing some very interesting pre- and post tours to selected locations in the Czech Republic, and one-day and half-day trips and excursions from Prague for you under the **20th European Symposium on Poultry Nutrition in 2015**.



Tours Desk is situated in the Registration Area.

EXCURSIONS, TRIPS AND TOURS DURING AND AFTER THE CONFERENCE

	9:30 14:00	9:00 14:00	9:30	18:00	8:30	9:00	9:00	9:00 12:00	8:30	9:30	8:30		
	D1-1	D1-2	D1-3	D1-4	D2	D3n	D4	D5	D6	D7	D8		
Mon, Aug-24	x -	x -	x	x				x -				-	-
Tue, Aug-25	x x		x	x	x	x	x	- x		x			
Wed, Aug-26	x x		x	x			x	x -	x	x	x	Social E.	
Thu, Aug-27			x	x	x	x	x	- x		x			
Fri, Aug-28		x x	x	x	x		x	x -			x	A2	B2 ³
Sat, Aug-29		x x	x	x	x	x	x	- x			x		
Sun, Aug-30		x x	x	x	x		x	- x					
Mon, Aug-31		x x	x	x				x -					
Duration (hrs)	3	3	6,5	3	10	5	6	6	6	2,5	10		
Lunch	-	-	-	-	+	-	-	-	-	-	+		
Price (per person)	18	25	42	45	62	30	32 ²	34	46 ³	39	55	354	243
Price (student ¹)	16	23	38	45	55	28	30	32	44	37	48	354	243

¹Student ID card is necessary, age limit up to 26 (incl.), ²without lunch, otherwise +6€ lunch voucher, ³the tour will be organized in case the amount of applicants is above 10

All conference trips and excursions have a meeting point at a VIP entrance to the Prague Congress Center (Entrance no. 10), the location of ESPN 2015. The pickup time is in the table. The drop off is at the "Republiky" square.

The pre/post-conference tours "D" have departure and drop off at the "Republiky" square, departure time is half an hour later. The tours "A" and "B" have departure and

drop off at the hotel.

The participants are kindly requested to inform us, if they prefer to drop off at the hotel (€5 extra).

D1-1 – Prague City Tour for ESPN participants ▶ Bus + on foot, English guide	D4 – Karlštejn Castle ▶ Bus, English guide, admission fee
D1-2 – Prague Grand City Tour ▶ Bus + on foot, English guide	D5 – Kutná Hora + Ossuary + the Valachian courtyards ▶ Bus, English guide, all admission fees
D1-3 – PRAGUE UNLIMITED – all inclusive ▶ Bus + on foot + boat, lunch	D6 – Czech Sternberg castle ▶ Bus, admission fee, guide
D1-4 – Prague by Night (3 hrs) – pickup time ▶ Bus, boat, aperitif, dinner and music	D7 – Vltava river Fun rafting ▶ Raft, guide
D2 – Český Krumlov ▶ Bus, English guide, lunch, admission fee	D8 – Karlovy Vary + Moser Glass Factory ▶ Bus, English guide, lunch, admission fee
D3n – Glass Factory Nížbor ▶ Bus, English guide, admission fee	

(Remark: Vouchers for excursions will be handed over on the AGL travel stand on Monday, Aug-24 in the Prague Congress Center latest.)

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MULTI-DAY PRE AND POST-CONFERENCE TOURS

- **A2 - South Moravia – region of wine and chateaus (4 days/3 nights)**

Telč, Třebíč, Lednice-Valtice complex (excursion to wine celery, folklore evening with refreshments, wine tasting – 5 sorts of wine), Moravian Karst (Caves), Brno (Starobruno Brewery), Český Sternberk castle

- **28. – 31.8.2015 (morning departure)**

Price included: bus, guide, accommodation, half board, all entrances, all local transfers

- **B2 - The West Bohemian SPA Triangle (3 days/2 nights)**

Loket castle, Karlovy Vary-SPA – including Moser Glassworks & Becherovka liquor manufacturing, Cheb, Františkovy Lázně-SPA, Mariánské Lázně-SPA

- **28. – 30.8.2015 (morning departure)**

Price included: bus, guide, accommodation, half board, all entrances

CULTURAL & SPORT EVENTS

- “Císařská louka” (**social evening** at the Emperor Meadow) – an island located near Prague city center on Vltava river (with a golf driving range, beach volley courts, archery, river boats and more). It offers a splendid view of Vyšehrad – St. Peter and Paul’s Cathedral and the historical fortification. In case of significant number of applicants we plan to organize an **informal social evening on Wed Aug-26**, with meals and drinks, DJ music, and surprise. Please, express your interest just now at espn2015@agltravel.cz. Check more information on our web site or on the AGL travel stand next to the registration desk.

- Enjoy **Classic Segway / Bike Tour** through the highlights of Prague. We will ride around the city on our 2,5 hour tour with magnificent viewpoints, stories and legends about Prague. If you had enough of the city, history and buildings we will take you on a very comfortable ride along the river and Prague parks. We always ride in the small groups from 1 to 6 people. For more information please contact espn2015@agltravel.cz.

- Selection of a theater, opera, or concert venues (Black Theater, Symphony orchestra, etc.) will be available on the AGL travel stand next to the registration desk.

CONTACTS:

AGL travel (AGROLEX s.r.o.)

Jungmannova 6, Prague 1, Czech Republic

www.agltravel.com (EN, RU), www.agltravel.cz (CZ)

espn2015@agltravel.cz

hotline: +420 702 285 967 / +420 222 231 010

PHOTO EXHIBITION

MAGIC LIFE UNDER EGGSHELL

We invite you for small photos exposition of chick embryo development. The photos were performed by Mr. Jiří Hladík one of the best Czech specialists for poultry incubation. Photo Exhibition is placed on the 2nd floor next to the Registration Area.

GENERAL INFORMATION

ABSTRACTS & FULL PAPERS

USB Flash Disc including Plenary lectures abstracts & full papers of Short oral presentations and Posters will be distributed upon registration.

CITY TRANSPORT

We are proud to inform you that we have arranged for you with Prague Convention Bureau FREE public transport ticket valid during Symposium dates (24–27 August 2015) for all means of public transport in Prague. You will receive it upon registration on site. Travelling by Prague city transport is possible with a valid ticket only. Passengers have to obtain their tickets before boarding the vehicle or entering the Metro system. The ticket is valid only if marked in the validation appliance.

CLIMATE AND CLOTHING

The Czech Republic is located on the borderline between two great climatic regimes, the oceanic and the continental, and the weather consequently tends to be fairly variable in different regions. The weather is usually mild and sunny in August. There might be an occasional rain, and it is therefore advisable to bring a jacket, a sweater and an umbrella.

You can find the current weather at www.weather.com.

CURRENCY / CREDIT CARDS / BANKING

The official currency of the Czech Republic is the Czech Crown = Česká koruna (CZK = Kč). International credit cards are accepted for payment in most hotels, restaurants and shops. Exchange offices and ATM machines are easily available throughout the city and at the Prague International Airport. Payment in cash in EUR is also available in some restaurants and shops, please ask for details on-site. You can find the official exchange rates on the website Czech National Bank.



ELECTRICITY

The Czech Republic uses a 220V/50Hz system, sockets have the European standard and plugs are three-prong grounded.

FIRST AID

Please contact any staff member if you need assistance.

HEALTH CARE

Vaccinations are not required to enter the Czech Republic. An individual travel and health insurance is recommended.

IMPORTANT PHONE NUMBERS

- 112 General Emergency
- 150 Fire
- 155 Ambulance
- 158 Police

INFORMATION DESK

The Information Desk is located on the 2nd floor within the Registration Desk.

INSURANCE

The organizers can accept no liability for personal injuries or for loss or damage to property belonging to the Symposium participants, either during or as a result of the event. Participants are advised to take out proper travel and health insurance before departing from their home country.

MEETING POINT FOR TOURS

The Meeting Point for all tours is located on the ground floor, near the Entrance No. 10.



MOBILE PHONES

Please, respect the speakers and presenters by ensuring your mobile phone is switched off at all time during the sessions.

OFFICIAL CARRIER

We are delighted to inform you that Czech Airlines become the official carrier for the 20th European Symposium on Poultry Nutrition. As official carrier, CSA offers a 10% discount in Economy Class and a 15% discount in Business Class for attendees and accompanying persons too.



PROCEEDINGS

Printed ESPN 2015 Proceedings Book with ISBN including Plenary lectures abstracts of Short oral presentations and Posters will be distributed upon registration.

REFRESHMENT

Coffee and water will be at your disposal during the whole day. Coffee breaks refreshments and Lunches will be served during the breaks indicated in the programme at the designated areas.

SAFETY



Please, do not leave any valuables or personal belongings unguarded in the meeting rooms or venue premises. The organizers will not be responsible for any loss and damage of personal belongings or other valuables left unattended in the meeting rooms/ venues.

SHOPPING

Most shops in Prague are open from 9 a.m. to 6 p.m., Monday till Saturday. Shops in the city centre are usually open from 9 a.m. to 8 p.m., Monday till Sunday.

SMOKING

ESPN 2015 is non smoking event. Smoking is allowed only in designated areas outside the Symposium venue.

SYMPOSIUM LANGUAGE

English is the official language of the Symposium. All Symposium materials and presentations must be in English.



TIME ZONE

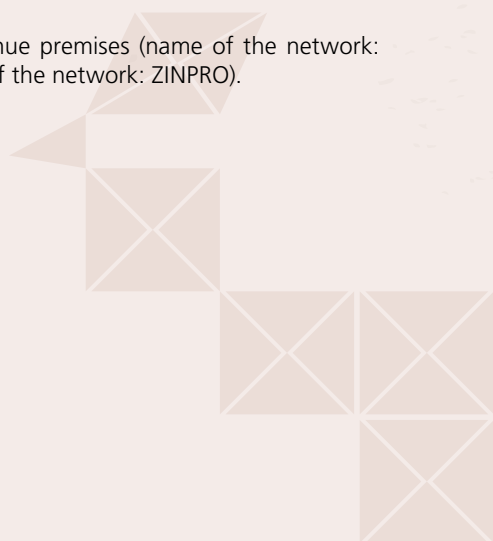
The Czech Republic is on Central European Time – Greenwich. Mean Time (GMT) + 1 hour. From April to October is summer time, i.e. GMT + 2 hours.

TIPPING

Service is usually included in the bill in bars and restaurants but tips are welcome. If you consider the service good enough to warrant a tip, we suggest about ten percent.

WI-FI

Free Wi-Fi is available within the Symposium venue premises (name of the network: ESPN2015) and the Wi-Fi and Relax Zone (name of the network: ZINPRO).





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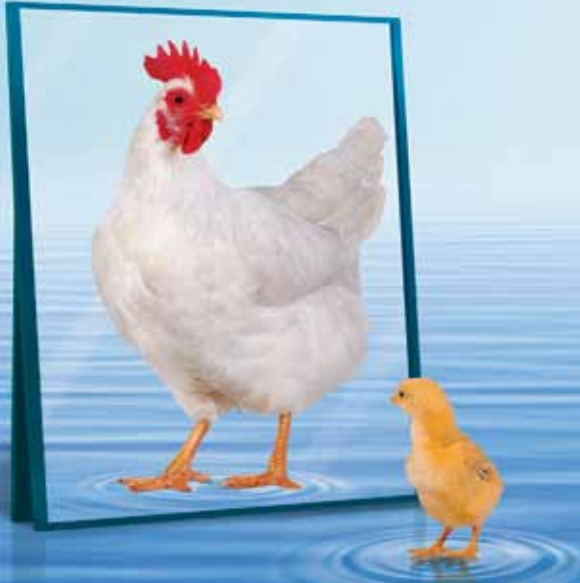
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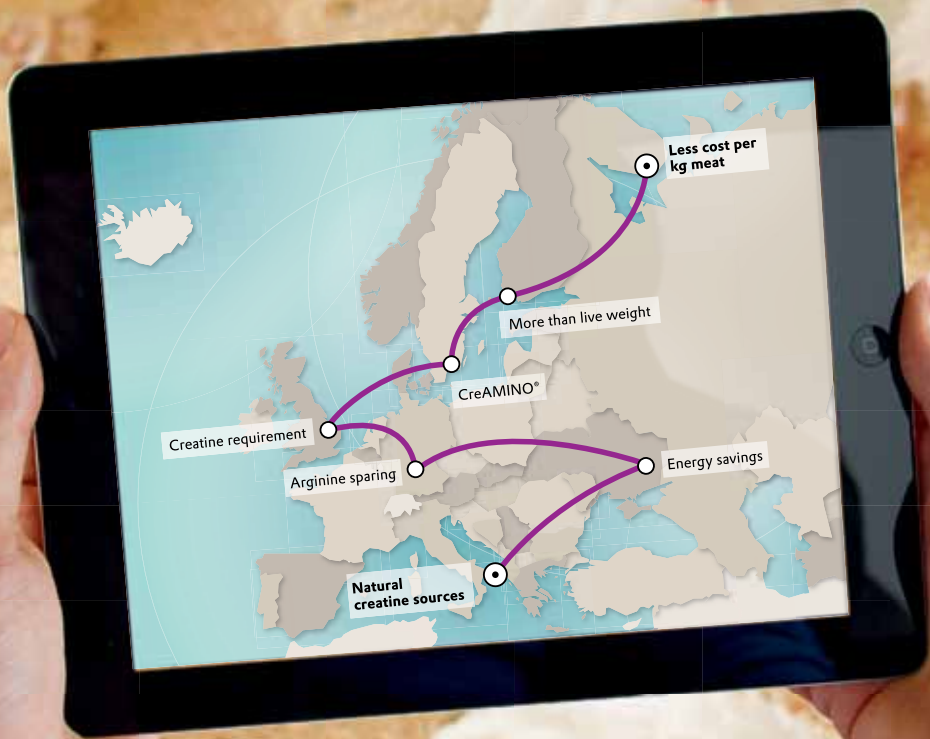
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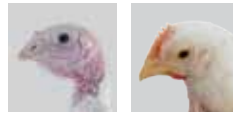


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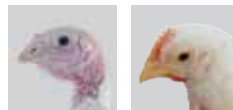
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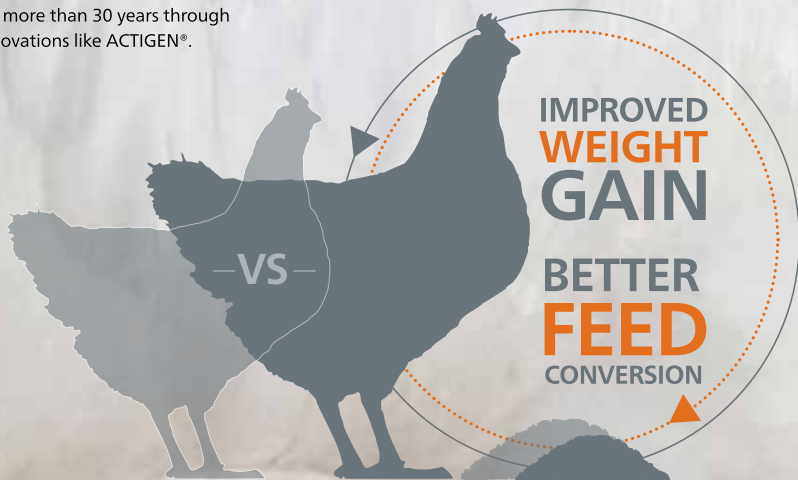
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