



## WPSA (UK Branch) ANNUAL MEETING

10<sup>th</sup>/11<sup>th</sup> April 2018

Croke Park, Dublin

### Monday 9th April 2018 Nally Suite

8:00 – 6:00 Registration

16:00-18:00 WPSA/BSAS Rapemeal satellite session

### Tuesday 10th April 2018 Hogan Suite

9:00-10:00 Hammond lecture (BSAS – WPSA delegates welcome to attend)

### Tuesday 10th April 2018 Nally Suite

10:30 OPENING WPSA ANNUAL MEETING

10:40-11:50 **Session 1: Invited Speaker session: Advances in management of laying hens**

**Chair: Vicky Sandilands**

10:40 1 Teun van de Braak (Hendrix)

**Breeding for prolonged laying cycles in laying hens, a breeding program explained**

11:10 2 Jason Gittens (ADAS)

**Cage free by 2025 – environmental impacts**

11.50-12.20 **Session 2: Original Communications (Nutrition) (14 min)**

**Chair: Helen Masey O Neill**

11.50 3 Growth and egg laying performance of Japanese quails fed diets containing varying levels of sorghum and maize.

A.T. Ijaiya, S. S. A Egena, O. Omamugho, S. Adio

12.04 4 Evaluation of oats with varying husk inclusion on performance, energy and nitrogen retention in broilers

D.V. Scholey, A. Marshall, S. Cowan, E.J. Burton

12:30-13:30 **Lunch, Croke Park. room TBC**

13:30-14:54 **Session 3: Original communications (Physiology and husbandry in broilers and layers) (14 mins)**

**Chair: Patrick Garland**

13:30	5	Egg quality is improved when a 300ppm calcium pidolate supplement is added to the layer diet from 50-70wks M. Bain, T. Parkin, R. Gill
13:44	6	Favourable genetic parameters for the improvement of cuticle deposition on eggs I. Dunn, P. Wilson, M. Bain, A. Jones, F. Quinlan-Pluck, G. Williams, W. Icken, V. Olori
13:58	7	The effect of ranking laying hens by feed efficiency on the quality and nutrient composition of eggs Y. Akter S. Greenhalgh, M.D. Islam, C. O'Shea,
14:12	8	Quantitative assessment for the risk of recrudescence of avian influenza in caged layer houses following depopulation: The effect of cleansing, disinfection and dismantling of complex equipment P. Gale,
14:26	9	Response of broiler chicken reared under two different light bulb sources and light distances O. O Adeleye, L.T Egbeyale, O Ayo-Ajasa, M.O Abatan, A.W Abdkareem, A.O Odukoya, O.E Akinsola
14:40	10	Superoxide dismutase activity in the chicken gut P.Suraj, I.I. Kochish, S.O. Shapovalov

**14:54 – 15:12 Short oral introductions to a selection of poster presentations (3 min)**

**Chair: Nick Sparks**

14:54	11	Investigation into the effect of semi synthetic diets on the intestinal mucin layer of broilers S. Amir, D. Scholey, M. Le Bon, C. Turkura. E.J. Burton
14:57	12	Effect of dietary prebiotic, probiotic and synbiotic supplementation of the immune function of chickens A. Alsudani, S. Ali, G. Manning, M. Le Bon, D. Scholey, E.J. Burton
15:00	13	Influence of naked neck gene and housing system on egg production and immune response in laying hens M. Fathi, I. Al-Homidan, T. Ebeid, O. Abou-Emera
15:03	14	Supporting gut health of high performing broilers in the presence of coccidiosis D. Harrington, C. Mathis, W. Wakeman,
15:06	15	Curuma longa supplementation of broiler feed: Effect on Physiological Responses and Performance under Hot Humid Tropical Climate O. Oke, J. Daramola, A. Rahman, T. Lawal
15:09	16	The effect of Calcareous Marine Algae in diets containing low levels of calcium on broiler performance, bone strength and meat quality parameters M.E.E. Ball, D. Farrell, S.Taylor

**15:12-16:00 Tea and poster viewing, TBC Authors in attendance**

## Nally Suite

**16:00 RF GORDON MEMORIAL LECTURE**  
Dr Mike Bedford (Research Director, AB Vista)  
**The evolution and application of enzymes in the animal feed industry: opportunities and misunderstandings**

**17:00 RF Gordon Memorial Reception – Location TBC**

**19:00 WPSA ANNUAL DINNER RECEPTION – GAA Museum**

**20:00 WPSA ANNUAL DINNER – Croke Park Stadium – in parallel with BSAS dinner**

Wednesday 11th April 2018

## Nally Suite

**9:00-10:20 Joint WPSA/BSAS Industry Session. Technological innovations to improve husbandry and welfare of poultry**  
**Chair: Emily Burton**

9:00 17 Dr David Williams  
**A bird's eye view of lighting in poultry housing – the science of poultry vision**

9:40 18 Dr Victoria Sandilands  
**Cage free by 2025 – welfare implications**

**10:20-10:50 Tea and poster viewing, location TBC. Authors in attendance**

## Nally Suite

**10:50-11:45 Session 4: Original Communications (Nutrition) (14 min)**  
**Chair: Steve Wilson**

10:50 19 Growing site influences wheat apparent metabolisable energy value for broiler chickens  
R. Azhar, S.P. Rose, S.C. Mansbridge, M.R. Bedford, V.R. Pirgozliev

11:04 20 A method to increase the energy and nitrogen availability of rapeseed supplemented diets for broilers  
E. Watts, V.R. Pirgozliev, S.P. Rose, A. Mackenzie, L. Bernard

11:18 21 Evaluating the effects of low dietary crude protein diets on growth performance, meat quality, litter humidity and environmental impact of finisher broilers  
B. Méda, P. Belloir, W. Lambert, E. Corrent, H. Juin, S. Tesseraud, M. Lessire

11:32 22 Xylanase effect on growth partly explained by effect on pre-caecal flow of oligosaccharides in broilers  
A. Craig, M. Bedford, P. Hastie, F. Khattak, O. Olukosi

**Posters**

- 23 Analyses of insulin-like growth factor 1 gene in Nigerian indigenous and Arbor Acre chickens  
M. Wheto, O.O. Ismaila, A.S. Adenaike, M.A. Adeleke, S.O. Peters, C.O.N. Ikeobi, O.A. Adebambo
- 24 Effect of diet supplementation with zinc sources on performances, egg quality and parameters of bone of laying hen  
F. Shariatmadari, M. Abedini, H. Ahmadi, M.A.K.Torshizi
- 25 Effect of diets supplemented with different zinc sources on performances, egg production, properties of zinc contents of laying hen at late stage of production  
F. Shariatmadari, M. Abedini, H. Ahmadi
- 26 Investigations into the efficacy of novel antimicrobial peptides against *Histomonas meleagridis*, the causative agent of blackhead disease in poultry  
J. Pickup
- 27 The influence of Fenugreek (*Trigonella foenum-graecum L.*) Garden cress (*Lepidium Sativum*) supplementation on growth performance and cell mediated immunity of broilers  
I. Al-Homidan, T. Ebeid, A. Al-Muzaini, O. Abou-Emera, M. Fathi
- 28 Amino acid digestibility varies between different wheat varieties for broiler chickens  
R. Azhar, S.P. Rose, M.R. Bedford, V.R. Pirgozliev
- 29 Gizzard pH in broiler chicks in the immediate post placement period  
N. Morgan, P. Garland, D.V. Scholey, E.J. Burton
- 30 Reducing the impact of enteritis on bird performance using oregano essential oil  
D. Harrington, S. Srinongkote, W. Wakeman, 179
- 31 An examination of bio-available and total silicon in broiler chickens through evaluation of the solid and aqueous phases of digesta  
H Hayton, S. Prentice, D.V. Scholey, E. J. Burton
- 32 The effect of silica supplementation on bone parameters in broiler chickens  
M. Bradley, S. Prentice, D.V. Scholey, E.J. Burton
- 33 The effect of feeding different selenium sources on the antioxidant status of broiler chickens  
S. Woods, I. Whiting, S.P. Rose, D. Bravo, V.R. Pirgozliev