

Scotland's Rural College

## **Peracetic acid precursors for non-antibiotic modulation of gut microbiota and possible modulation of performance in broilers**

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WPSA UK Branch Spring Meeting (online)

Thurs & Fri 15 & 16 April 2021



Date	Day	Session name	Type	Time start	Abstract id	Title	Presenter	Chair
Thursday	15/04/2021	Opening	Council	09:30:00		Open Annual WPSA meeting	Emily Burton	Patrick Garland
Thursday	15/04/2021	Session 1	Invited	09:40:00	1	Introduction of slower growing broilers in the market in the Netherlands	Peter van Horn	Patrick Garland
Thursday	15/04/2021	Session 1	oral	10:20:00	2	The correlation between <i>myo</i> -inositol (Ins) concentration in the jejunum digesta of broiler chickens and the Ins concentrations of key tissues associated with the uptake, circulation and catabolism of Ins.	C Arthur	Patrick Garland
Thursday	15/04/2021	Session 1	oral	10:35:00	3	A reduced duration of the feeding period does not affect the estimates of dietary digestible energy and nutrient ileal digestibility in broiler chicken	H Scott-Cook	Patrick Garland
Thursday	15/04/2021	Session 1	short	10:50:00	4	Effect of rapeseed cultivar on the nutritional value of rapeseed meal in broilers	E Watts	Patrick Garland
Thursday	15/04/2021	Session 1	short	10:57:30	5	Lacto-fermented rapeseed meal additive: a nutritional intervention to reduce <i>Campylobacter jejuni</i> colonisation and improve performance in broilers	Farina Khattak	Patrick Garland
Thursday	15/04/2021	Session 1	Break	11:05:00				
Thursday	15/04/2021	Session 1	oral	11:20:00	6	Effect of soyabean meal replacement by black soldier fly ( <i>Hermetia illucens</i> ) meal in broiler diets on production performance	J Ortuno	Patrick Garland
Thursday	15/04/2021	Session 1	oral	11:35:00	7	The use of faba beans as an alternative protein source to soya bean meal in broiler and finisher broiler rations	Jos Houdijk	Patrick Garland
Thursday	15/04/2021	Session 1	short	11:50:00	8	Feeding non-starch-polysaccharidase enzymatic complex to laying hens	I Whiting	Patrick Garland
Thursday	15/04/2021	Session 1	short	11:57:30	9	Standardised ileal digestibility of amino acids from spent barley-bean for broilers	Jos Houdijk	Patrick Garland

Date	Day	Session name	Type	Time start	Abstract id	Title	Presenter	Chair
Thursday	15/04/2021	Session 1	Break	12:05:00				
Thursday	15/04/2021	Session 2	Invited	13:00:00	10	Opportunities and challenges for added-value chicken meat	Francesca Soglia	Elizabeth Ball
Thursday	15/04/2021	Session 2	oral	13:40:00	11	Xylo- oligosaccharide based prebiotic improved body weights and gut health parameters in broilers raised under sub-optimal conditions	S Amir	Elizabeth Ball
Thursday	15/04/2021	Session 2	oral	13:55:00	12	Peracetic acid precursors for non-antibiotic modulation of gut microbiota and possible modulation of performance in chickens	Salvatore Galgano	Elizabeth Ball
Thursday	15/04/2021	Session 2	short	14:10:00	13	Effect of amino acid supplementation in reduced crude protein	Marwa Hussein	Elizabeth Ball
Thursday	15/04/2021	Session 2	short	14:17:30	14	Effect of mash feed particle size on productive performance and gut organs in broilers	Muhammad Naeem	Elizabeth Ball
Thursday	15/04/2021	Session 2	Break	14:25:00				
Thursday	15/04/2021	Session 2	oral	14:40:00	15	Dietary probiotic improves laying efficiency in Hy-line Brown hens	Vasil Pirgozliev	Elizabeth Ball
Thursday	15/04/2021	Session 2	oral	14:55:00	16	Does scratch mat design influence hen behaviour in enriched cages?	Victoria Sandilands	Elizabeth Ball
Thursday	15/04/2021	Session 2	short	15:10:00	17	Impact of feeding graded levels of triticale on the productive performance of laying hens	P Ditengou	Elizabeth Ball
Thursday	15/04/2021	Session 2	short	15:17:30	18	The effect of <i>Agrimonia pilosa</i> Ledeb, <i>Anemone chinensis</i> Bunge, and <i>Smilax glabra</i> Roxb on performance and nutrient digestibility and gastrointestinal tract microbiota of broilers	R McMurray	Elizabeth Ball
Thursday	15/04/2021	Session 2	End	15:25:00				
<b>Friday</b>	<b>16/04/2021</b>	Session 3	Invited	09:30:00	19	Opportunities for higher value meats, specifically chicken	Isabelle Gangnat	Laura Beeson
Friday	16/04/2021	Session 3	oral	10:10:00	20	Evaluation of broiler response to silicon rate of dietary inclusion and particle size	K Yates	Laura Beeson

Date	Day	Session name	Type	Time start	Abstract id	Title	Presenter	Chair
Friday	16/04/2021	Session 3	short	10:25:00	21	The effect of oil and grape pomace on the quality of stored quail eggs over a four-week period	S Sobolewska	Laura Beeson
Friday	16/04/2021	Session 3	short	10:32:30	22	Feeding a novel phytase at 250 FTU/kg to laying hens improves P digestibility	Vasil Pirgozliev	Laura Beeson
Friday	16/04/2021	Session 3	Break	10:40:00				
	16/04/2021	Session 3	oral	10:55:00	23	Myo-inositol concentration in chicken tissues is influenced by dietary myo-inositol and phytase.	Charlotte Arthur	Laura Beeson
Friday	16/04/2021	Session 3	oral	10:55:00	24	What is 'normal'? Morphology and mineralisation of tibias from healthy, on farm broilers	Ashraf Alkhtib	Laura Beeson
Friday	16/04/2021	Session 3	short	11:10:00	25	Short chain fatty acids production and villus morphometry in chickens fed diets containing graded levels of supplementary sea buckthorn dried berries	Vasil Pirgozliev	Laura Beeson
Friday	16/04/2021	Session 3	short	11:17:30	26	Improved amino acid digestibility in broiler diets containing high-phytase HIGHPHY wheat	S Afrin	Laura Beeson
Friday	16/04/2021	Session 3	Break	11:25:00				
Friday	16/04/2021	Session 4	oral	12:20:00	27	Lack of genetic correlation between laying hen bone quality and egg production suggests egg number may not explain bone quality	Ian Dunn	Sophie Lee
Friday	16/04/2021	Session 4	short	12:35:00	28	Evaluation of phytase superdosing on broiler intestinal development	S Afrin	Sophie Lee
Friday	16/04/2021	Session 4	short	12:42:30	29	Untargeted metabolomics on plasma and liver samples: effects of novel plant extracts in broilers pre and post LPS challenge	F Riva	Sophie Lee
Friday	16/04/2021	Session 4	Invited	12:50:00	30	Slow(er) growing breeds and the future of the poultry industry	James Bentley	Sophie Lee
Friday	16/04/2021	Prizes	Council	13:30:00			Emily Burton	Sophie Lee
Friday	16/04/2021	Session 4	End	13:45:00				