



WPSA (UK Branch) presents:



**32nd Poultry Science Symposium
Poultry feathers and skin – the past,
present and future of poultry integument**

3rd – 5th July 2017

Clare College, Cambridge, UK

Programme

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Sponsor of Session 7: Nutrition and management I



Programme

Day 1 – Monday 3rd July, 2017

9:00 Arrival

11:00 Registration opens (*Garden Room*)

12:00 Lunch (*Garden Room*)

Location of the symposium (*The Riley Auditorium*)

13:00 Opening Address: Victoria Sandilands, President WPSA UK Branch

Session 1: History and Natural History of feathers and skin

Chair: Victor Olori, Aviagen

13:10 Frontiers in the development and evolution of feathers

Richard O. Prum, Yale University, USA

13:45 The multifunctional roles of bird feathers

Theagarajen Lingham-Soliar, Nelson Mandela University, South Africa

14:20 Panel discussion

14:50 Tea break (*Elton-Bowring Room*)

Session 2: Physiological and anatomical aspects

Chair: Oluyinka Olukosi, SRUC

15:20 Skin morphology and feather structure

Christoph K. W. Mülling, Leipzig University, Leipzig, Germany

15:55 Embryonic development of the integument

Dennis Headon, Roslin Institute, University of Edinburgh, UK

16:30 Panel discussion

17:00 Close of scientific sessions for day 1

1915

Welcome drinks reception followed by BBQ in Lerner Court , or, if weather is wet, food will be served in the Garden Room. Chauffeured punting tours will run from 1900-2100. Each tour takes 30 minutes in boats seating up to 12 people

Day 2 – Tuesday 4th July, 2017

Session 3: Health and Welfare I

Chair: Victoria Sandilands, SRUC

- 08:30 Feather pecking in laying hens - why they do it and welfare implications?
Christine J. Nicol, University of Bristol, UK
- 09:05 Genetic solutions to injurious pecking
Esther D. Ellen, Wageningen University and Research, The Netherlands
- 09:40 Evidence-based management of injurious pecking
Thea van Niekerk, Wageningen University and Research, The Netherlands
- 10:15 Panel discussion
- 10:45 Tea break (Elton-Bowring Room)

Session 4: Health and Welfare II

Chair: Stephen Lister, Crowshall Veterinary Services

- 11:05 Contact dermatitis in domestic poultry
Paul M. Hocking, Roslin Institute and R(D)SVS, UK
- 11:40 The poultry integument in health and disease (other veterinary issues apart from contact dermatitis).
Paul McMullin, Poultry Health Services, UK
- 12:15 Providing welfare assurance through integument assessment – lessons from the real world
Siobhan Mullan, University of Bristol, UK
- 12:50 Panel discussion
- 13:20 Lunch break (*Garden Room*)

Session 5: Poster viewing and discussion (14:20)

(Elton-Bowring Room)

The authors of submitted abstracts must attend their posters

Tea (Elton-Bowring Room - same location with poster hall)

Session 6: Genetics

Chair: Paul Hocking, Roslin Institute

- 15:00 Genetics of feather pigmentation and chicken plumage colouration
Victor E. Olori, Aviagen, UK
- 15:35 Genetic and breeding aspects of feather coverage, and their effects on performance
in broilers
Avigdor Cahaner, The Hebrew University of Jerusalem, Israel
- 16:10 The genetic basis of contact dermatitis in poultry
Dagmar Kapell, Aviagen, UK
- 16:45 Panel discussion
- 17:15 Drinks reception in Lerner Court (Garden Room if weather is wet)
- 20:00 – late Gala dinner – *(Great Hall)*

Day 3 – Wednesday 5th July, 2017

Session 7: Nutrition and management I

Sponsored by Premier Nutrition

Chair: Oluyinka Olukosi, SRUC

- 08:30 Effects of nutritional interventions on feathering of chickens – a review
Rick van Emous, Wageningen University and Research, The Netherlands
- 09:05 Strengthening the inside – effect of nutrition on gut health and maintenance and its impact on the integument integrity
Sunday A. Adedokun, University of Kentucky, USA
- 09:50 Panel discussion
- 10:20 Tea (Elton-Bowring Room)

Session 8: Nutrition and management II

Chair: Nick French, Aviagen

- 10:40 Management practices to prevent abnormal feather loss in broiler breeders
Otto A. van Tuijl, Aviagen, UK
- 11:25 Business opportunities with integuments
Stephen Lister, Crowshall Veterinary Services, UK
- 12:10 Round up
Nick French
- 12:20 Closing remarks
Nick French
- 12:30 Lunch (*Garden Room*) and departure

- END -

Special thanks to all those involved in organising the symposium

Organising committee: Lucy Tovey, Oluyinka Olukosi, Anthony Waller

Scientific committee: Oluyinka Olukosi, Ariane Helmbrecht, Nick French, Victor Olori, Sarah Lambton

Sponsorship: Helen Massey O'Neill