

# Keel Bone Damage WG/CG meeting

## Scientific and Social Program

**March 21, 2017**

- Bus pickup at 745 (745 at Hotel Ambient; 0800 at Hotel Krona)
- 0830 – 0900: University of Ljubljana introduction (Manja Zupan)
- 0900 - 0915: Introduction (Mike Toscano)
- 0915 – 0945: Icebreaker
- 0945 - 1000: Update from SGs (Ivan Dimitrov) on scientific committee recommendations
  
- *1000-1020: tea break*

### **Working Group 1 presentations/discussions (1020-1200)**

- 10:20 Ian Dunn, The Roslin Institute, UK: Brief introduction
- 10:30 Heather McCormack, The Roslin Institute, UK: Assessment of bone quality and damage
- 10:45 Ariane Stratmann, University of Bern, CH: Improving and validating keel bone palpation
- 11:00 Sarah Baur, University of Bern, CH: Radiographic evaluation of keel bone damage in laying hens
- 11:15 Beryl Eusemann, Friedrich-Loeffler-Institut, DE: Radiographic examination of deformities and fractures of keel bones in laying hens
- 11:30 Björn Andersson, Lohmann Tierzucht, DE: Keel bone damage, clues from genetic assessment
- 11:45 Alejandro Navarro, University of Granada, ES: Physico-chemical assessment of avian bone
  
- *1200- 1300: Lunch (in cafeteria)*

### **Working Group 2 presentations/discussions (1300-1440)**

- 13:00 Anja Brinch Riber, Aarhus University, DK: Brief introduction
- 13:05 Rachel Lynn Dennis, University of Maryland, US: Understanding the quality and quantity of keel innervation
- 13:35 Anja Brinch Riber, Aarhus University, DK: Effects of keel bone damages on welfare and production in laying hens - a review
- 14:00 Christina Rufener, University of Bern, CH: Effect of keel bone damage on productivity and mobility - ongoing studies
- 14:30 General discussion

- 1440 – 1500: *tea break*

### **Working Group 3 presentations/discussions (1500-1640)**

- 15:00 Bas Rodenburg, Wageningen University, NL: Brief introduction
  - 15:10 Alexandra Harlander, University of Guelph, Canada: Effects of early-life environment
  - 15:30 John Tarlton, University of Bristol, UK: Effects of nutrition
  - 15:50 Teun van der Braak, Hendrix Genetics, NL: Possibilities to reduce KBD through breeding
  - 16:10 Alexandra Jeremiasson, SvenskaAgg, Sweden: Experience with KBD in various housing systems in practice
  - 16:30 General discussion
- 1640 - 1720: Wrap up and planning for Day 2
  - 1720 – 1930: *free time* :)
  - 1930: Official dinner @ Hotel Krona

## **March 22, 2017**

- Bus pickup at 745 (745 at Hotel Ambient 0800 at Hotel Krona)
- 0830-840: Discussion and preparing for breakout meetings
  - Review of Cost opportunities (Mike Toscano)
  - Phenolab for animal tracking at University of Wageningen (Bas Rodenburg)
  - Two tracking systems using Infra-red and RFID technologies (Michael Toscano)
  - Impact testing system to quantify fracture susceptibility (Michael Toscano)
- 0930 – 1300: WG-specific breakout meetings
- 1030 - 1100: *tea break*
- 1300 – 1400: Lunch
- 1400 - 1500: Wrap up meeting with all attendees
- 1500-1600: Core Group meeting
- 1600: Farm visit / Departure