

Introduction and Welcome
Keel Bone Damage Cost Action
GP1 Working/Core Group Meeting



MARCH 21-22, 2017

UNIVERSITY OF LJUBLANA, SLOVENIA

LOCAL HOST: DR. MANJA ZUPAN

Thanks



- **Our Local Organizers**
 - led by Manja Zupan



- **Grant Administrator, Lilian Smith**
- **Working and Support Group Leaders**

The Action in 1 slide



- **Keel Bone Damage: 30-90% of hens within flocks**
- **An understanding of basic mechanisms lead to data-driven and objective solutions**
 - How can we best assess KBD in different settings and foci?
 - What are the causes of damage?
 - What are interventions to affect the identified causes?
 - What are the effects on responses of interest (welfare, productivity)?
- **Who we are?**
 - 19 nations
 - 75 registered participants
 - ✦ Researchers (Behaviour, Physiology, Economics, Geneticists, Management, Nutrition)
 - ✦ NGOs
 - ✦ Industry
 - ✦ Regulators
 - ✦ Anyone else 😊

What should we be doing



- **In general . . .**
 - Linking researchers with the best techniques and methodologies
 - Informing producers and stakeholders
 - Training the next generation of scientists
- **In this meeting . . .**
 - **Today**
 - ✦ Learn what research/efforts are going on NOW (to be published)
 - ✦ Identify missing and needed information
 - **Tomorrow**
 - ✦ Propose/discuss definitive steps to provide and coordinate that effort
 - ✦ Concrete planning for potential experiments/review papers as needed
 - ✦ *At end of today, we can discuss the actual format*

But first . . . What HAVE we been doing. . .



- **All COST clocks restart May 1st**
 - *Grant Period 1: 1 Nov 2016 – 30 April 2017*
 - Grant Period 2: 1 May 2017 – 30 April 2018
 - Grant Period 3: 1 May 2018 – 30 April 2019
 - Grant Period 4: 1 May 2019 – 30 April 2020
 - *Grant Period 5: 1 May 2020 – End of the Action = 4 years after the MC1*
- **GP1: Mainly preparing for good things to come ☺**

GP 1 Activities



- **STSMs**

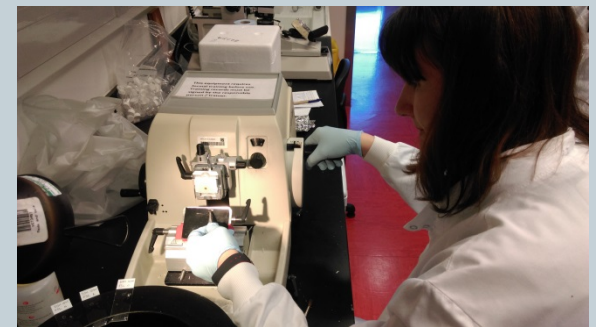
- **Janja Širovnik and Bas Rodenburg (host)**

- ✦ Light during incubation and effect on KB development
- ✦ Submission of an application for further funding



- **Christin Habig and Ian Dunn (host)**

- ✦ Learning bone quality assesment techniques



GP1 activities



- **Preparing for this meeting (28K EUR)**
- **Database of all participants, their interests, and ongoing research**
- **Logo**
- **Dissemination of output materials**
 - More to come on this from SG5

GP1 activities



- **Our website!** <http://www.keelbonedamage.eu/>
 - Activities (links to reports and relevant info, e.g. STSMs)
 - News items (Accepted grants, papers published, etc.)
 - Researcher in Focus (currently, Dr. Christin Habig)
 - Members section
 - ✦ Minutes, papers
 - ✦ Database to search for projects and people of a specific nature

Activities
Meetings, Workshops and Conferences
Short-Term Scientific Missions
Training Schools

Projects – Brief summary topics

Search:

First Name	Last Name	Brief summary topics	Status	Recommendation Number*
Alejandro	Rodriguez Navarro	Improvement of bone quality/ lowering the incidence of osteoporosis in laying hens	Ongoing	1
Alexandra	Harlander	Effects of KBD on behaviour expression and locomotion skills.	Ongoing	1;9
Ariane	Stratmann	Effect of prolonged dusk duration in aviaries on falls and KBD.	Ongoing	7
Bas	Rodenburg	Automatic measurement of hen activity	Ongoing	4;5;6;7;8
Bas	Rodenburg	Effect of early-life conditions on keel bone development	Being Proposed	4;5;6;7;8



For GP2



- **Planned so far**
 - STSMs (X10)
 - ✦ 7 in June/July 2017
 - ✦ 3 in January 2018
 - Training School
 - ✦ MC was asked to propose themselves as hosts if interested (March 18 deadline)
 - ✦ Foci:
 - how keel bone damage is assessed
 - pain and nociception in response to types of damage
 - musculo-skeletal development
 - Joined MC/Workshop meeting focusing
 - ✦ Workshop would focus on finalizing grants/papers that will hopefully be initiated here
 - ✦ Looking for hosts as well with June 2017 deadline

- **Finalizing GP2**
 - Reviewing plans at the Core Group meeting tomorrow
 - Will submit to MC for formal acceptance by end of month
 - Please come speak with me, WG/SG leaders, and MC members with suggestions & concerns

Use the Action (for grants)



Dissemination of Research Findings

The research team expects that at least one publication within a peer-reviewed journal as well as a conference presentation will be submitted following project completion. **The research group will also be able to disseminate their findings to various industrial and regulatory stakeholders via a funded EU-COST Action (http://www.cost.eu/COST_Actions/ca/CA15224) for which the Co-PI (Toscano) serves as chair.** Although the COST Action is European-based, various representatives outside Europe, including PI Siegford and four others based at North America universities are participating in this Action.

The Action will serve as an excellent platform for dissemination of results from the proposed work through various planned mediums, including an Action-dedicated website (www.keelbonedamage.eu), quarterly newsletters, and forums dedicated to stakeholder groups.

To ensure that dissemination materials use language and formats that are appropriate for the relevant intended audiences (i.e., industry, NGOs and regulators in addition to scientists and members of the scientific community), the Action *has a diverse membership that includes members from these various communities. Support Group 6 is entirely dedicated to developing dissemination materials, whereas Support Group 9 serves as a Stakeholder and End-User Forum.*

The membership of the Action includes a wide range of academic disciplines from 22 nations as well as industrial partners in various forms including *support industries (Hendrix Genetics, Vencomatic Group), NGOs (World Animal, Royal Society for Prevention of Cruelty to Animals), and five national trade organizations each representing their national industries.*

For this meeting (Scientific Program 😊)



Today

(What do we know?)

0830 – 0900: M Zupan and university introduction
0900 – 0915: Introduction (MT)
0915 – 0945: Icebreaker and get to know each other
0945 - 1000: update from SGs

1000-1020: tea break

1020 – 1200: WG 1 presentations/discussions

1200- 1300: Lunch (in cafeteria)

1300 – 1440: WG 2 presentations/discussions

1440 – 1500: tea break

1500 – 1640: WG3 presentations/discussions

1640 - 1720: wrap up and plan for Day 2

Tomorrow

(What should we do?)

0830 – 1300: WG-specific breakout meetings

1030 - 1100: tea break

1300 – 1400: Lunch

1400 - 1500: Wrap up with all attendees

WG leaders summarize their WG-specific meeting

- Identified research needs (projects, papers)
- Potential STSMs for the GP2
- Training School needs
- Workshop needs

1500-1600: Core Group meeting

Chair & Vice Chair, All WGs, SG4&6

Icebreaker



- **30 minutes = 2 X 13-minute sessions**
 - Where you are from originally and currently based?
 - What you do when you are not doing science?
 - ✦ Sleeping does not count!
 - What is something you do (or have in your lab) that people in the Action may benefit from.
 - What you are hoping to get out of this Action/meeting?
- **Session 1, 915**
- **Session 2, 930**