



3rd Annual Meeting

About the meeting:

The 3rd annual GenSAP meeting will focus on results and progress within each of the individual scientific focus areas. The aim is to have a lot of fruitful discussions about research and plans ahead. The meeting will be open to GenSAP participants only.

Date: November 25-26, 2015

Venue: Comwell Grand Park, Ørnumvej 6, DK-4220 Korsør, Denmark ([link to map](#))

Registration: Please register before October 19th using this [link](#)

Accommodation: Upon registration, you can book accommodation. The Comwell Grand Park hotel offers gym and spa free of charge for the participants ([link to hotel](#)).

Transport: Upon registration, you can book transport back and forth from Foulum to Korsør. A detailed plan of pick-up and drop-of will follow later.

For those travelling from abroad; the easiest way to get to Korsør is by train from Copenhagen airport. The train station at the airport is situated within the international terminal building. If you need any help in travel arrangements, feel free to contact me.

As last year, we will arrange pick-up at the train station in Korsør.

Price: GenSAP covers all expenses in relation to travel and accommodation for all project participants.

Questions? Please contact Louise.DybdahlPedersen@mbg.au.dk

9:00 *Check-in and registration*

10:00 Welcome, general introduction & status (Mogens Sandø Lund, QGG-AU)

Session 1: 'Multi-models' (chair Luc Janss, QGG-AU)

10:30 Introduction to the session (Luc Janss, QGG-AU)

10:40 Multi-models for genomic prediction in plants (Luc Janss, QGG-AU)

11:10 *Short break*

11:30 Multi-breed prediction using QTL sequence variants (Irene van den Berg, INRA/QGG-AU)

11:50 Multi-trait prediction for protein components using cow data (Grum Gebreyesus, QGG-AU/WU)

12:10 Genomic correlation patterns for milk production traits between Chinese and Nordic Holstein populations (Xiujin Li, CAU/QGG-AU; Guosheng Su, QGG-AU)

12:30 *Lunch*

Session 1: 'Multi-models' cont.

13:30 Nutrient use efficiency in cereals (Florian Leplat, KU; Per Madsen, QGG-AU)

14:00 How can complex models be handled in practice? (Gert Pedersen Aamand, SEGES)

14:30 *Coffee break*

Session 2: Genetic variation (chair Peter Sørensen, QGG-AU)

15:00 Introduction to the session

15:10 Measures of relatedness based on haplotype sharing (David Edwards, QGG-AU)

15:40 Properties of heritability estimates under miss-specified models (Beatriz Cuyabano, QGG-AU)

16:10 *Short break*

16:30 Linking genetic variation in functional features of the genome to milk production and health traits in dairy cattle (Lingzhao Fang, QGG-AU)

16:50 The effect of selection on estimates of genetic parameters in chicken (Wossenie Mebratie, QGG-AU)

17:10 Meeting closure – day 1 (Mogens Sandø Lund), followed by

Session 3: Poster session

17:30 Poster contributions by GenSAP PhD students and postdocs

19:00 *Workshop dinner*

Session 4: Genotyping-By-Sequencing (chair Torben Asp, CGB-AU)

8:00 Introduction to the session

8:10 GBS application for mapping in wheat and ryegrass (Torben Asp, CGB-AU)

8:40 Merging individual and pool samples and correction for sequencing depth (Fabio Cericola, QGG-AU)

9:10 *Coffee break*

9:40 Developing genomics breeding technologies in potato (Kåre Lehman Nielsen, AAU)

10:10 Genomic heritabilities and prediction in tetraploids potatoes (Elsa Sverrisdóttir, AAU)

10:30 Breeding and genetic background of tetraploids ryegrass (Morten Greve, DLF-Trifolium)

11:00 *Short break*

Session 5: Breeding programs (chair Christian Sørensen, QGG)

11:20 Introduction to the session

11:30 Genomic optimum contribution selection (Gebreyohans Gebregiwergis, NMBU/QGG-AU)

11:50 Optimum-contribution selection with genomic information in pig breeding (Hanne Marie Nielsen, VSP)

12:10 *Lunch*

Session 5: Breeding programs cont.

13:10 The need for new breeding programs in cereals (Ahmed Jahoor, Nordic Seed)

13:40 A first attempt at simulating a genetic improvement program in wheat using genomic selection (Huiming Liu, QGG-AU)

14:05 Designing industry infrastructure to allow benefits of genomic selection to be disseminated in Mink (Christian Sørensen, QGG-AU)

14:30 *Coffee break*

Meeting closure

15:00 Joint summary and plan ahead (Mogens Sandø Lund)

15:15 GenSAP general assembly meeting for partners incl. comments from the advisory board (agenda will follow)

16:00 *Meeting closure followed by coffee break*

16:30 Board meeting incl. comments from the advisory board (agenda will follow)