

Foulum Symposium: From Model Organisms to Healthy Cows
Danish Institute of Agricultural Sciences, Research Centre Foulum
12 – 13 August 2004



Program 12 August

09.30 Welcome
Elise Norberg, Danish Institute of Agricultural Sciences, Denmark

Session I: Lessons from studies on model organisms

Chair: Dr. Peer Berg, Danish Institute of Agricultural Sciences, Denmark

09.35 An experimental study on inbreeding testing quantitative genetic theory
Ph.D. student Torsten Nygaard Kristensen, Danish Institute of Agricultural Sciences, Denmark

09.50 Modeling issues using *Drosophila*
Prof. Richard Frankham, Macquarie University, Australia

10.20 Experimental evidence for genetic control of environmental variation from pigs, snails and rabbits
Prof. Daniel Sorensen, Danish Institute of Agricultural Sciences, Denmark

10.45 Coffee

11.00 *Drosophila* as a model to study thermal stress: from microarrays over QTL to candidate genes
Prof. Volker Loeschcke, University of Aarhus, Denmark

11.25 Changes in genetic parameters and inbreeding depression after 120 generations of selection for litter size in mice
Prof. Odd Vangen, Agricultural University of Norway, Norway

11.50 Discussion

12.00 Lunch

Session II: Selection for disease resistance in dairy cattle

Chair: Dr. Just Jensen, Danish Institute of Agricultural Sciences, Denmark

13.00 Breeding for disease resistance in dairy cattle
Prof. Ulf Emanuelson, Swedish University of Agricultural Sciences, Sweden

13.40 Breeding schemes for disease resistance traits
Prof. Theo Meuwissen, Agricultural University of Norway, Norway

14.10 Selection of dairy cattle for total merit in the US
Prof. Gary Rogers, University of Tennessee, USA

- 14.40 Refreshments
- 14.50 Dairy character and body condition score as indicators for diseases
Ph.D. student Jan Lassen, Danish Institute of Agricultural Sciences, Denmark
- 15.10 The genetics of susceptibility to milk fat depression syndrome
Prof. Mike Goddard, University of Melbourne, Australia
- 15.40 Discussion
- 16.00 Closure

Program 13 August:

Session III: Fighting mastitis – detection and genetic selection

Chair: Dr. Mogens Lund, Danish Institute of Agricultural Sciences, Denmark

- 09.00 Mapping and use of QTL affecting mastitis resistance
Dr. Bernt Guldbrandtsen, Danish Institute of Agricultural Sciences, Denmark
- 09.30 Multivariate threshold model analysis of clinical mastitis in Norwegian Dairy Cattle
Dr. Bjørg Heringstad, GENO, Norway
- 09.50 Mixture models – use and applications within the field of animal breeding
Dr. Jørgen Ødegård, Agricultural University of Norway, Norway
- 10.20 Coffee/ refreshments
- 10.35 Monitoring daily measurements of somatic cell count - automatic and on-line detection of mastitis
Dr. Inge Riis Korsgaard, Danish Institute of Agricultural Sciences, Denmark
- 11.00 Detection of clinical and subclinical mastitis
Dr. Morten Dam Rasmussen, Danish Institute of Agricultural Sciences, Denmark
- 11.20 Detection of cattle diseases with sensors: the quest for a better performance
Dr. Henk Hogeveen, Wageningen University, The Netherlands
- 11.50 Discussion
- 12.00 Lunch
- 13.00 Electrical conductivity in milk as a phenotypic and genetic indicator of bovine mastitis
Ph.D. student Elise Norberg, Danish Institute of Agricultural Sciences, Denmark
- 16.00 Reception
- 17.00 The End

Practical information

Time: 12 – 13 August 2004

Place: Danish Institute of Agricultural Sciences,
Research Centre Foulum, Blichers Alle 1,
8830 Tjele, Denmark

Registration fee: 250 DKR or 35 EUR **per day**.
The registration fee includes lunch and coffee/refreshments during the symposium.

Dinner: There will be arranged dinner at the Golf Hotel Viborg Thursday 12 for those who is interested. The price is 400 DKR (ca. 55 EUR). Please express your interest when register for the symposium.

Registration: By e-mail: to Elise.Norberg@agrsci.dk **before August 1**. Please indicate for how many days you would like to attend the symposium and if you would like to attend the dinner August 12

On-line (available after **July 1**) on:
http://web.agrsci.dk/hag/arrangementer/Foulum_Symposium.shtml

Payment: Bank transfer has to be made in order of:
Jyske Bank, DK-1780 Copenhagen V
Registration No: 8109, Account No: 101735-0
Swift code: JYBADKKK, IBAN no: DK2181090001017350

before **August 1**. Please refer your payment to: SYMPOSIUM

Accommodation: There has been made an agreement with Golf Hotel Viborg, and single rooms are available for 805 DKR (about 110 EUR) per night, and double rooms are available for 905 DKR (about 122 EUR). The price includes breakfast. The hotel is located in beautiful surroundings between the two lakes in Viborg, about 5 min. walk from the city centre (12 km from the Research Centre). Refer to the symposium when you order to get the special price. See: <http://www.golf-hotel-viborg.dk/> for more information.

Transportation: **By car**: see: http://www.krak.dk/scripts/europlan/ruteplan_forside_e.asp for driving directions. (fra = from, til = to, vejnavn = road and by = city)

By train: see <http://www.dsb.dk/>

By plain: to Karup Airport (about 30 min from Foulum), via Copenhagen. Airport taxi is available. Billund Airport is another option (about 1.5 h from Foulum), but it is inconvenient to get from there to Foulum by public transport.

If you have any questions do not hesitate to contact Elise Norberg (Elise.Norberg@agrsci.dk)