# PhD course: Biological consequences of selection, 21 - 25 August 2017

# Course organisers & teachers:

Elise Norberg, Aarhus University Roel Veerkamp, NMBU and Wageningen University

#### Teachers:

Odd Vangen, Professor, NMBU Lotta Rydhmer, Professor, SLU Nicolas Friggens, Directeur d'Unité, AgroParisTech

## Course topics:

- · Ethical aspects of animal breeding
- Growth and development genetic scaling
- · Maternal and social effects
- · Genetic variation of behavioural traits
- · Genotype x Environment interactions
- Robustness, trade-offs and adaptive capacity
- · Modelling and genetics of feed efficiency

# Practical information

This course will be organised as a joint PhD/MSc course. The students will to a large degree follow the same lectures, but material for preparation and assessment of the course will differ between the PhD (3 ECT) and the MSc (5 ECT) course.

#### Venue

The course will take place 21.-25. August 2017 at Hafjell Hotel & Apartments (http://www.hafjellhotell.no/), Hundervegen 33, 2636 Øyer, Norway. The course program starts 08.30 on Monday; however, rooms and meals are organised from Sunday evening. Therefore, we recommend that you book your travel so you arrive Sunday afternoon.

#### Transport

Hafjell/Øyer is located about 200 km north of Oslo. The nearest city to Hafjell/Øyer is Lillehammer, and Oslo Airport Gardermoen (about 55 km north of Oslo) is the closest airport. There are trains going to Lillehammer from Oslo city or Oslo Airport every hour (see <a href="https://www.nsb.no">www.nsb.no</a>). It takes about 1 hour and 50 minutes. There are busses from Lillehammer to Øyer (<a href="http://www.rutebok.no/nriiisstatictables/tables/ruter/t/05-521.htm">http://www.rutebok.no/nriiisstatictables/tables/ruter/t/05-521.htm</a>)

#### Course fees and cost of accommodation and meals

There is no course fee for PhD or MSc students enrolled at any of the NOVA or BOVA universities. NOVA contributes to the cost of meals (30 EURO pr. day/150 EURO for the whole course, including dinner Sunday evening) for NOVA students taking the course as a PhD course. NOVA students must cover the cost for accommodation, which is 300 EURO for the whole course in a double room or 450 EURO for accommodation in a single room. This includes 5 nights from Sunday 20 August and should be paid directly to the hotel at departure. For BOVA students and other students/participants, the total cost for accommodation and meals is 450 EURO in double rooms and 550 EURO in single rooms.

This should be paid directly to the hotel at departure. For participants who are not enrolled at any of the NOVA or BOVA universities (except MSc students) there will be a course fee of 200 EURO to be paid upon registration.

Note that NOVA only covers cost of meals for up to 25 NOVA students. If more NOVA students are registered, we need to prioritise among countries. This will be done in collaboration with the local NOVA contact person within the NOVA network for animal breeding.

Maximum no of participants is 30, and students from NOVA and BOVA universities have first priority.

## Registration

To register for the PhD course, please follow the registration link on the course web page <a href="https://www.nmbu.no/en/students/nova/students/phd-courses/phd-2017/node/29746">https://www.nmbu.no/en/students/nova/students/phd-courses/phd-2017/node/29746</a>

Registration will be open from 15 February. Deadline 15 May.

If you wish to take this course as an MSc course, please see the MSc course web page <a href="https://www.nmbu.no/en/students/nova/students/msc-courses/msc-2017/node/30560">https://www.nmbu.no/en/students/nova/students/msc-courses/msc-2017/node/30560</a>

If you have any questions, please do not hesitate to contact me on Elise. Norberg@mbg.au.dk

Looking forward to seeing you in Hafjell @