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### 3rd ECAR / ECPHM Intensive course on Pig Reproduction and Herd Health

Online course, which will take place **1 – 5 March 2021**.

Open for residents and diplomats of the **ECAR and ECPHM**.

Number of participants is **restricted to 10-15**.

**Description** | The course will include 20 h of lectures, which are organized in plenary and parallel session, 9 h of workshops / demonstrations, and a full-day virtual pig herd visit. Parallel lectures are recorded and available throughout the course. There will be also some pre-course assignment and peer-group work. International teachers from five different countries with expertise in pig reproduction and herd health.

**Scope** | The aim of the course is to deepen knowledge on pig emerging diseases, reproduction (neonate, sow, boar, and AI aspects), welfare and herd health approach.

**Contact** | For further information: [Stefan.bjorkman@helsinki.fi](mailto:Stefan.bjorkman@helsinki.fi) and [claudio.oliviero@helsinki.fi](mailto:claudio.oliviero@helsinki.fi)

**Course fee** | 350 € (+ VAT)

**Registration** | Residents will be given priority. Year of residency will be taken into consideration. Registration between 01.12. 2020 (12 AM, EEST, GMT+2) – 22.12.2020 (11:30 PM, EEST, GMT+2).

**Link for registration** |

[https://forms.office.com/Pages/ResponsePage.aspx?id=WxWumNwQiEKOLkWT5i\\_j7skF5jpU0sNDo\\_extrD9HhtUQ1ZSUDI3QUE0WEIJQUxSWUZUTUNHVU42Ti4u](https://forms.office.com/Pages/ResponsePage.aspx?id=WxWumNwQiEKOLkWT5i_j7skF5jpU0sNDo_extrD9HhtUQ1ZSUDI3QUE0WEIJQUxSWUZUTUNHVU42Ti4u)



## Preliminary Programme

Time zone	Monday 1.3.2021	Tuesday 2.3.2021 (Parallel sessions)		Wednesday 3.3.2020		Thursday 4.3.2021 (Parallel sessions)		Friday 5.3.2021	
EET (UTC +2:00)	Plenary lectures	Reproduction - General lectures	Reproduction - Specific lectures	EET (UTC +2:00)	Farm visit* (live stream)	EET (UTC +2:00)	Herd health - General lectures	Herd health - Specific lectures	Plenary lectures
10:00 - 10:45	Successful farrowing (CO)	Boars reproductive health & ejaculate (SB)	Boar management and semen handling at AI centers (DDM)	10:00-10:45	Biosecurity and use of medicine (MH)	10:00 - 10:45	Disease situation and threats of new diseases in Finland (TL)	Use of hormones to control reproduction in female swine (SB)	Alternatives to physical castration (OP)
11:00 - 11:45	Neonatal & colostrum management (CO)	Non-infectious causes of fertility problems in sows (SB)	Diagnosis of endometritis and cystitis in sows: use of biomarkers (AG)	11:00-12:00	Farrowing unit - examination of neonates & colostrum; neonatal care of weak piglets (CO)	11:00 - 11:45	Medicine use in piggeries - Finnish situation today and aims for the future (VS)	Prenatal and early-life exposure to mycotoxins in pigs: How can it be problematic ? (AS)	New innovations for environmental enrichment on pig farms (HT)
12:00-12:45	Recent advances in free farrowing (MN)	Infectious causes of abortion (OP)	Pathogens transmission via pig semen (DM)	12:15-13:00	Weaning unit - How to raise pig with entire tail (MH)	12:00-12:45	Herd health program Sikava including Biocheck in herd health work (MH)	PDS in sows - recent updates and diagnostic tools (MK)	
12.45-13:30	Lunch break	Lunch break		13:00-13:45	Lunch break	12.45-13:30	Lunch break		Lunch break
EET (UTC +2:00)	Cases and pre-course assignment	Workshops		EET (UTC +2:00)	Farm visit* (live stream)	EET (UTC +2:00)	Workshops (Parallel sessions)		Final discussion
13:30-14:15	Student presentation / Assignment Case I	Castration - local anesthesia and vaccination (CO)		13:45-14:15	Insemination unit - Heard health visit (SB)	13:30-14:15	Field pathology and Finnish laboratory services in assisting herd health diagnostics (TL)	PDS - Blood & milk sampling for inflammatory markers / bacteriology (MK)	General discussion of the course, questions, wishes of the participants
14:30 - 15:15	Student presentation / Assignment Case II	Andrological examination & ultrasound of boars (SB)		14:30 - 15:15	Insemination Unit - Gynecological examination & ultrasound of non-pregnant sows (SB)	14:30 - 15:15	Discussion: 1. Work of vets in piggeries of other countries because of different disease situation, medicine use and herd health programs. 2. Biosecurity and use of medicine in the herd visited yesterday. Also other matters according to the wishes of the participants. (TL, MH, VS)	Mycotoxins - Analytical techniques, Prevention of contamination & Detoxification of feed (AS)	
15:30-16:15	Case reports (AG) - Increased number of return to estrus & Increased stillborn rate in a free farrowing system	Semen collection, evaluation & extension on farm (SB)		15:30-16:00	Pregnancy unit - heard health visit (SB)	15:30-16:15		Use of hormones in fixed time insemination protocols (SB)	

## Teachers

**AG | Alexander Grahofer** – Dr.Vet.Med., Diplomate ESPHM, ECAR candidate, Research Assistant, Swine Clinic Berne, Vetsuisse University & the department environmental system Science, ETH Zurich / **Switzerland**.

**AS | Amin Sayyari** – DVM, PhD, postdoctoral research fellow in the field of reproduction, Department of Production Animal Clinical Sciences, Norwegian University of Life Sciences / **Norway**.

**CO | Claudio Oliviero** – DVM, PhD, Docent in Diseases, reproduction and herd health in pigs, Department of Production Animal Medicine, Helsinki University / **Finland**.

**DM | Dominiek Maes** – DVM, MSc, MS, PhD, Dipl ECVPH, Dipl ECPHM, Full professor in Porcine Health Management, Faculty of Veterinary Medicine Ghent University / **Belgium**.

**DDM | Dimitri De Meyer** - European certified porcine veterinarian, with a special interest in artificial insemination, Vedanko (Group Danis) / **Belgium**.

**HT | Helena Telkänranta** – PhD, Research Associate, University of Bristol / **UK** and Helsinki / **Finland**.

**MH | Mari Heinonen** – DVM, PhD, Diplomate ECPHM, Full Professor in Swine Medicine, Department of Production Animal Medicine, Helsinki University / **Finland**.

**MK | Marianne Ørnstrup Kaiser** – PhD, Veterinarian certified in Swine Health Management, Postdoctoral Researcher, Aarhus University, Department of Animal Science / **Denmark**.

**MN | Maria Nysten** – ECAR candidate, PhD student, Department of Production Animal Medicine, Helsinki University / **Finland**.

**OP | Olli Peltoniemi** – DVM, MVetSc, PhD, Diplomate ECAR, Diplomate ECPHM, Full Professor in Animal Reproduction, Department of Production Animal Medicine, Helsinki University / **Finland**.

**SB | Stefan Björkman** – BSc, DVM, PhD, Diplomate ECAR, Clinical teacher in Animal Reproduction, Department of Production Animal Medicine, Helsinki University / **Finland**.

**TL | Taina Laine** – DVM, Researcher, Finnish Food Safety Authority, Helsinki / **Finland**

**VS | Virpi Sali** – Doctoral student, Department of Production Animal Medicine, Faculty of Veterinary Medicine, University of Helsinki / **Finland**.

