**Seminar on** *“***Precision Livestock Farming: a potential toolbox for health and welfare management in dairy beef production systems”**

30 September 2021

**13:00 (CET) START**Introduction to the topic
*Mogens Vestergaard, chair*

**13:05 – 13:40 (30+5)**

Tailored feeding/weaning management, and early identification of bovine respiratory disease in calves

*Heather Neave, Denmark*

**13:40 – 14.00**

Utilizing automated milk feeders for monitoring calf health and vigour

*Thomas Förster, Germany*

**14:00 – 14:20**

Algorithms and technologies to monitor calf health during transportation

*Nathalie Bareille, France & Sonia Marti, Spain*

**14:20 – 14:40:** Break

**14:40 – 15:10**

Use of the Whisper technology to predict BRD risk upon arrival and the Quantified Ag technology to early and accurately detect BRD

*Jason Nickell, WI, USA*

**15.10 – 15:35**

Behavior based health monitoring for dairy calves – the MAHI solution

*Eran Friedman, Israel*

**15:35 – 15:55**

Use of 3D video recordings to estimate time at the feed bunk for group housed beef calves. The effects of calf age, feed bunk space, and type of TMR feeding

*Mogens Vestergaard, Denmark*

**15:55 – 16:00**

Concluding remarks *Maria Devant*