

Grant Period	Name	Home Institution	Home Country	Host Institution	Host Country	Title
3	<b>Maiken Gravdal</b>	Norwegian University of Life Sciences	Norway	Swedish University of Agricultural Sciences	Sweden	<b>Introduction to molecular techniques for detection of gastrointestinal helminths and possible anthelmintic resistance</b>

Keywords: sheep, anthelminic resistance detection, ddPCR, *Haemonchus contortus*

The purpose of the STSM was to improve my knowledge and skills concerning the molecular methods for identification and quantification of gastrointestinal helminths (GIH) in sheep, as well as detection of anthelmintic resistance. The method of specific interest was droplet digital polymerase chain reaction (ddPCR). ddPCR has been demonstrated by Professor Johan Höglund (with others) as an effective method for absolute quantification of major gastrointestinal nematodes in sheep (Elmahalawy et al. 2018). The main purpose was to learn this new technique, which is of high relevance for future work in our project Anthelmintic ResisTance In Sheep helminThs (ARTIST) in Norway.