

Grant Period	Name	Home Institution	Home Country	Host Institution	Host Country	Title
1	Andres García Campos	University College Dublin	Ireland	INRA Toulouse	France	Evaluation of the direct activity of plant extracts against ruminant gastrointestinal nematodes in vitro

Keywords: seep, plant extracts, in vitro activity, EHA, LEIA, LMI

One of the purposes of this STSM was to explore a new approach to tackling anthelmintic resistance by looking at the anti-parasitic effects of plant-derived extracts in vitro. The purposes of the STSM were:

- 1- To learn theoretical aspects about the use and effect of tannins towards parasitic nematodes.
- 2- To learn how to prepare parasite material: collection of eggs and culture of larvae from faeces.
- 3- To learn how to identify strongyle species (*Haemonchus contortus* and *Trichostrongylus colubriformis*) on the basis of the morphological larva 3 stage
- 4- To learn the techniques for resistance detection: Egg hatching assay (EHA), Larval Exsheathment Inhibition Assay (LEIA), and Larva Migration Inhibition Assay (LMIA).
- 5- To assess the effect of plant-derived extracts at different parasite life cycle stages.
- 6- To discuss the results obtained during the training.
- 7- Finally, to accomplish training for the European Veterinary Parasitology Residency (EVPC) that the applicant is enrolled.