

COMBAR for ECI

Name of ECI: Nikol Reslova, Ph.D.
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Who I am:

I am a Junior Researcher educated in Molecular Biology and Genetics and Parasitology, experienced in developing multiplex detection methods based on nucleic acids and other molecular approaches used in specific detection, species determination, or diagnosis.

My research project:

Currently, I participate as a member of the research team on the COST project (LTC19018). In the framework of the project, we not only want to reveal parasitic load (prevalence and intensity of infections) and to map the incidence of anthelmintic resistance at selected farms in the Czech Republic but also to define risk factors and mechanisms of resistance. For these purposes, we are using standard methods and tests, which will be comparatively supplemented by modern and sensitive molecular methods. My attention is focused on the development of a methodology for direct detection and identification of the main strongyle nematodes (mainly Strongyloidea and Trichostrongyloidea) in feces of small ruminants.

My plans or ambitions for after my project/COMBAR:

I want to delve deeper into the issue of gastrointestinal nematodes of ruminants and to investigate further their ecology, transmission potential, and mechanisms of resistance other than to benzimidazoles.