

COMBAR for ECI

Name of ECI: MSc. Jana Ilgová

Institution: Department of Botany and Zoology, Masaryk University, Brno

Country: Czech Republic



Who I am:

- detail-oriented PhD student with 10 years of experience in laboratory work
- comprehensive knowledge on:
 - o **molecular biology** (isolation of nucleic acids, PCR, gene cloning, qPCR, analysis of sequential data)
 - o **proteomics** (expression of recombinant proteins, separation and purification techniques, enzymology, fluorometry, ELISA, immunohistochemistry)
 - o **cell culture**
 - o **histology** (preparation of paraffin and cryo sections)
 - o **microscopy** (light, fluorescence, confocal, TEM, SEM)
- 10 publications, H-index 4 (WOS), 3 laboratory stays, team member in 6 parasitology research projects

My research project

In the framework of our new project we are applying modern molecular diagnostic methods to monitor the parasite load and anthelmintic resistance at selected farms in the Czech Republic. We intent to define the risk factors of anthelmintic resistance in the area of Czech Republic.

My plans or ambitions for after my project/COMBAR:

I would like to improve my theoretical and methodological background concerning the molecular methods in order to define mechanisms determining the anthelmintic resistance.