

## Report Short Training Scientific Mission COST Action FA1408 (Alessia Possenti)

My STSM took place at the laboratory of Prof. Lucy Robertson at the Veterinary school, Oslo, from 11<sup>th</sup> to 15<sup>th</sup> January 2016.

The aim of this STSM was to be trained on the detection of parasites from vegetables food-stuff.

During my week training I learned, both from a theoretical and practical point of view, how to correctly perform the method on the recovery of *Cryptosporidium parvum* oocysts and *Giardia duodenalis* cysts from vegetables. Furthermore, they practical tips for my future work, on detection of both protozoa cysts/oocysts and helminth eggs from vegetables, have been provided.

My staying in the laboratory was enriched by the presence of another visitor, interested in performing the recovery method on *Taenia spp.* eggs from vegetables.

My first day in the laboratory, I had a talk with Prof. Lucy Robertson on my expectation on this training, and subsequently I had a tour in the laboratory where I met the persons daily working in. The personnel showed me safety devices were and how to use them in case of accident occurring in the laboratory, moreover they showed me where to find the personal protective equipment.

In the next days I learned how to spike the sample, how to manage vegetable samples within the stomacher, how to recovery the parasites and how to test the recovery efficiency, following step by step the protocol applied in the laboratory.

I performed by myself all phases of the method and tested my capability in parasites recovery that was in the range declared by the applied method. Finally, we focused on recovery of *Ascaris suum*, first, and Taenidae eggs, later, from vegetables.

I also actively participate in these phases of the work.

In conclusion, this STSM was very useful for my planned research activities such as developing and validate methods on the detection of parasites, both protozoa cysts/oocysts and helminth eggs, in vegetables.

Roma, 25.01.2015

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