



Masako Asahina-Jindrová, Ph. D  
Biologické Centrum, AV ČR v.v.i.  
Parazitologický ústav  
Branišovská 31  
České Budějovice , 370 05

Tel: +420-38-777-5481  
Fax: +420-38-777-5481  
e-mail: masako@paru.cas.cz

Linda Merglová

### Posudek školitele

Linda Merglová joined my laboratory as a Bachelor student and decided to continue her Master course study. Her research projects are focused on *in vivo* enhancer study for evolutionary conserved nuclear receptor NHR-25 in the nematode *C. elegans*.

She utilized the methods and skills (cloning, bacteria and worm handling, transformation of the worms, RNA interference on worms and microscopy) that she earned in her previous study and she continued to train herself and also learned new method such as electron microscopy.

In the course of study, she succeeded to generate all the necessary constructs and transgenic worm strains for each constructs, despite she faced technical difficulties. Then she analyzed the GFP expression temporally and spatially using a fluorescent microscope throughout *C. elegans* development which led us to surprising results (NHR-23 function in the gut). I have to note that there are holes (not having a couple of independent integrated worm lines for each construct, more precise and statistical analyses of GFP expression, confirming the enhancer activity utilizing different minimal promoters, testing the number of binding site etc) that, in my opinion, could have been filled more appropriately if she was a little more enthusiastic. However, I believe that she had learned to be independent and responsible for her projects and is adequate to earn her Master's degree. During her study, she was helpful for the lab maintenance (filling tips, autoclaving etc) for everybody to substitute for lack of technician in my lab.

in České Budějovice, 29 th May 2009

Masako Asahina-Jindrová