

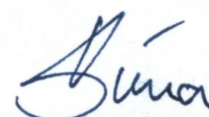
Supervisor's Report on Master Thesis of Tereza Pospíšilová

Tereza Pospíšilová is a member of our laboratory since 2014, when she started her Bachelor studies. From the very beginning, Tereza showed her passion for research and quickly adapted to working in our laboratory. She was able to master novel methods, effectively troubleshoot problems and communicate her research during lab meetings. Thanks to her friendly nature, she became a popular and essential member of our team. During her Master studies, Tereza spent 6 months at the University of Uppsala (Sweden) under the Erasmus student exchange program.

Presented Master thesis is a continuation of Tereza's Bachelor project. Obtained data further extend our knowledge of *Borrelia afzelii* transmission by its tick vector. During its lifecycle, *Borrelia* undergoes extensive alteration of gene expression. Tereza showed that identification of the right targets on the surface of transmitted spirochetes might be the key towards a vaccine against Lyme disease transmission. Her results are a part of a manuscript which is now under review in Infection and Immunity, Tereza is a first author of this paper.

To sum up, Tereza is an extremely promising young scientist, it has been a privilege for me to supervise her Master project. I want to thank her for her excellent work and I am happy that she decided to do a Ph.D. in our lab. I am fully convinced that the submitted thesis can be accepted as a Master thesis and evaluated by the mark "1" ("A").

In České Budějovice, May 17th 2018.



Radek Šíma