



Přírodovědecká
fakulta
Faculty
of Science

Jihočeská univerzita
v Českých Budějovicích
University of South Bohemia
in České Budějovice

SUPERVISOR'S STATEMENT ON BACHELOR/DIPLOMA* THESIS

Name of the student: Nora Hagleitner
Study program: M.Sc. Biological Chemistry
Department/Institute: Institute of Parasitology
Thesis title: Transposon mutagenesis in the Lyme disease pathogens *B. afzelii* and *I. B. burgdorferi*

Supervisor: Ryan O. M. Rego Ph.D.
Supervisor's affiliation: Institute of Parasitology, Biology Center, CAS

	Point scale ¹	Points
(1) FORMAL REQUIREMENTS		
Formal and graphical quality of the thesis	0-3	3
Ability to work with literature	0-3	3
Language and stylistics	0-3	3
Formal requirements – points in total		9
(2) PRACTICAL REQUIREMENTS		
Fulfillment of the aims	0-3	3
Ability to understand the results, their interpretation, and clarity of the results, discussion, and conclusions	0-3	3
Discussion quality – interpretation of results and their discussion with the literature	0-3	3
Experimental difficulty of the thesis, independence in experimental work	0-3	3
Contribution of the thesis to the knowledge in the field and the possibility to publish the results (after eventual supplementary experiments)	0-3	3
Practical requirements – points in total		15
POINTS IN TOTAL (MAX/AWARDED)	24	24

* Choose one

¹ Mark as: 0-unsatisfactory, 1-satisfactory, 2-average, 3-excellent.

Comments of the supervisor on the student and the thesis:

Nora at the time she joined the lab had limited training in molecular biology but from my understanding had a strong background in biochemistry. I have to say during Nora's time in the lab, I have seen her evolve into a trained scientist who is very efficient in what she does.

Nora worked on a project connected with the Lyme disease pathogen *Borrelia burgdorferi* and even though the project was never easy, given its aims, Nora worked on it with a never give up attitude, which at the end made the project successful. She introduced two new techniques into the lab setting, by herself which I appreciate a lot. Nora analysed her data well and our discussions were thus easy and more efficient in terms of deciding future steps in her project.

Nora is a very motivated person who knows her goals and is not afraid to put in the hard work needed to achieve them. Nora has the added qualities of a future research scientist which are clear including her reading and understanding of relevant publications, designing of experiments, maintenance of lab notes and clear scientific writing which is seen in her thesis.

In addition, Nora has shown to be someone who gets along with people in the laboratory and helps others out when needed. She also mentored a bachelor's student who is doing a project in my lab over the last 2 months and has done a good job of mentoring him. She was successful in obtaining a student grant for this project from the University in 2018. Nora has been an important asset to the lab and it shows in the fact that when the manuscript on the transposon mutant S4-7 will be submitted Nora will be the first author of this work.

Conclusion:

In conclusion, I

recommend / ~~do not recommend~~*

the thesis for the defense.

In C. Budejovice date 14.1.2019



signature