



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: Matthias Kalthoff

Study program: Biological Chemistry

Department/Institute: Institute of Parasitology, BC CAS

Thesis title: Understanding the pathogenic life cycle of the Lyme Disease
Pathogen *Borrelia bavariensis*

Supervisor: Ryan O. M. Rego Ph.D.

Supervisor's affiliation: Institute of Parasitology, BC CAS

| | Point scale ¹ | Points |
|--|--------------------------|--------|
| (1) FORMAL REQUIREMENTS | | |
| Formal and graphical quality of the thesis | 0-3 | 2 |
| Ability to work with literature | 0-3 | 3 |
| Language and stylistics | 0-3 | 3 |
| Formal requirements – points in total | | |
| (2) PRACTICAL REQUIREMENTS | | |
| Fulfillment of the aims | 0-3 | 2 |
| 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 | 2 |
| 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 | 0-3 | 2 |

* Choose one

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

publish the results (after eventual supplementary experiments)

Practical requirements – points in total

20

POINTS IN TOTAL (MAX/AWARDED)

24

**(0-
24)²**

Comments of the supervisor on the student and the thesis:

Matthias joined the lab at a time when a project to establish a model for *Borrelia bavarensis* was being considered. He thus was given the task to try and take on this project as well as to create constructs to knock out two important genes shown to be relevant to immune evasion. Right from the beginning I appreciated that Matthias approached each expt. carefully and it was evident that whenever he came across any problem, he did try to look into seeing if he could solve it by reading literature and then having a discussion before moving forward. I found him to be very aware of what was needed of the project and he did manage to keep a good lab book. Matthias did help his fellow lab mates when needed and was a motivated student which is seen in the work done in this project which is the first in trying to establish a tick-animal model with this *Borrelia* species.

Conclusion:

In conclusion, I

~~recommend / do not recommend*~~

the thesis for the defense.

In Ceske Budejovice

date **5.09.2018**



signature

² Enter the number of points awarded.