



SUPERVISOR'S STATEMENT ON BACHELOR/DIPLOMA* THESIS

Name of the student: Maximilian Bayer

Study program: B.Sc. Biological Chemistry

Department/Institute: Institute of Parasitology, BC CAS

Thesis title: Understanding the interactions between *Borrelia duttonii* and the tick *Ornithodoros moubata* as well as the mammalian host at the *in vitro* and *in vivo* level

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

Supervisor's affiliation: Institute of Parasitology, BC CAS

Point scale¹ Points

(1) FORMAL REQUIREMENTS

Formal and graphical quality of the thesis

0-3 3

Ability to work with literature

0-3 2

Language and stylistics

0-3 3

Formal requirements – points in total

8

(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 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 publish the results (after eventual supplementary experiments)

0-3 3

Practical requirements – points in total

14

POINTS IN TOTAL (MAX/AWARDED)

24

22

* Choose one

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

Comments of the supervisor on the student and the thesis:

I remember Max Bayer at the start of his project was apologetic about the fact that it was taking a bit of time to understand certain biological aspects as his background was primarily in chemistry. Max has really excelled in achieving the aims of his project and all of his work is first time data that has been obtained looking at Old World Relapsing Fever Borrelia and their interactions within the tick and also in blood. Max adapted techniques for microscopy work with the supervision of Dr. Marie Vancova and achieved a lot more than one could have imagined in such a short-timed project. Max really grew into this project and at the end I have been extremely impressed with his abilities in tackling the different subjects related to this project. Because of the difficulty of the techniques that Max used as well as the success of the results obtained I consider his thesis one of the top ones that I have had the pleasure of supervising among my previous Bachelor's students.

Conclusion:

In conclusion, I

recommend / ~~do not recommend~~*

the thesis for the defense.

In Ceske Budejovice date 14.9.2020

signature