



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: Lisa Hain

Study program: M.Sc. Biological Chemistry

Department/Institute: Institute of Parasitology

Thesis title: Transmission dynamics of the Relapsing fever spirochete – *Borrelia duttonii*

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:

Lisa joined the lab for the Master's project a little over a year ago. I was very pleased to have her join the lab again, as she had carried out her Bachelor's project, working on the lyme disease pathogen *Borrelia burgdorferi* and I had appreciated both her work ethics as well as literature research on that project.

Lisa's Master's project was relatively new in the lab, yet I believed that if there was someone who could move the project forward at a good pace it would be Lisa. She not only is very organised and co-ordinated with her work but is detail-oriented. All factors that are the making of a good future scientist. Lisa analysed her data well and a lot of the work that she carried out were first time experiments in the relapsing fever field for Old World *Borrelia*. Although her strength is in biochemistry, she clearly has shown a very high aptitude for molecular biology and imunology.

Lisa has been a very important member of the lab because of the help she provides to others, her insight and advice to others on their projects including helping her fellow colleague Nora Hagleitner settle into the lab at the beginning, when working with a new system. She successfully obtained a Student Grant from the University for this project and defended it well earning 1st place. She also has mentored 2 Bachelors' students for the last 2 months of her time in the laboratory. The work she has acheived will be the basis for at least 2 manuscripts for which she will be the first author.

Lisa has a bright future ahead of her and is looking at doing her Ph.D. in Linz with a collaborator. I as a supervisor am very happy to have had the opportunity to oversee Lisa's work, which for me is a benchmark of what a Masters' student can acheive.

Conclusion:

In conclusion, I

recommend / ~~do not recommend~~*

the thesis for the defense.

In C. Budejovice

date 14.1.2019


signature