



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: Sandra Suleiman

Study program: Biological Chemistry

Department/Institute: Institute of Parasitology

Thesis title: Use of constructs to knock out bga66 and bga71 in *Borrelia bavariensis* and further development of the mouse-tick model.

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	2
Language and stylistics	0-3	1
Formal requirements – points in total		5
(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	1
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	1
Contribution of the thesis to the knowledge in the field and the possibility to publish the results (after eventual supplementary experiments)	0-3	2
Practical requirements – points in total		5
POINTS IN TOTAL (MAX/AWARDED)	24	13

* Choose one

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

Comments of the supervisor on the student and the thesis:

Sandra Suleiman joined the laboratory and was given a project which had been running in the lab for about a year. She was tasked with continuing work on elucidating the efficiency of tick-mouse model for *B. bavarensis* as well as to work with suicide constructs that had been created and with shuttle vectors that had been provided by our collaborator. As for the tick-mouse model we were hoping for Sandra to start working with infected nymphs already generated previously but because of a loss of the ticks that were stored, the process needed to start again. She was successful with this and showed that what had been done previously could be repeated in terms of infecting larval ticks. At the same time Sandra was given the task to get a previously generated suicide vector as well as for the shuttle vectors ~~in~~ higher DNA volumes/concentrations. I have to say that unlike her peers who were in the lab or previous students that I have had, Sandra did not have the scientific curiosity that comes with doing this part of the project and was never very clear of the tasks she had to undertake to get this done and unfortunately this shows in the results. For the whole project, I unfortunately found myself spoon feeding the student during their time in the lab. Overall, if Sandra was to go for any further degrees she should be aware of what is required of her and try to be more curious of her work and certainly independent in her thinking and discussions.

Conclusion:

In conclusion, I

~~recommend / do not recommend*~~

the thesis for the defense.

In Ceske Budejovice

date 21/1/2019



signature