

Přírodovědecká
fakulta
Faculty
of Science

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

SUPERVISOR'S REVIEW ON BACHELOR THESIS

Name of the student: Vanja Mirosavljevic

Thesis title: Effect of high-fat diet feeding on resistance to bacterial infection in *Drosophila melanogaster*

Supervisor: Adam Bajgar, Ph.D.

Referee: Adam Bajgar, Ph.D.

Referee's affiliation: University of South Bohemia, Faculty of Science

	Point scale ¹	Points
(1) FORMAL REQUIREMENTS		
The extent of the thesis (for bachelor theses min. 18 pages, for masters theses min. 25 pages), balanced length of the thesis parts (recommended duration of the theoretical part is max. 1/3 of the total length), the logical structure of the thesis	0-3	3
Quality of the theoretical part (review) (number and relevancy of the references, recency of the references)	0-3	3
Accuracy in citing of the references (presence of uncited sources, uniform style of the references, use of correct journal titles and abbreviations)	0-3	3
Graphic layout of the text and of the figures/tables	0-3	3
Quality of the annotation	0-3	3
Language and stylistics, complying with the valid terminology	0-3	2
Accuracy and completeness of figures/tables legends (clarity without reading the rest of the text, explanation of the symbols and labeling, indication of the units)	0-3	2
Formal requirements – points in total		19
(2) PRACTICAL REQUIREMENTS		
Clarity and 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 the results and their discussion with the literature (absence of discussion with the literature is not acceptable)	0-3	3
Logic in the course of the experimental work	0-3	3
Completeness of the description of the used techniques	0-3	2

Experimental difficulty of the thesis, independence in experimental work	0-3	3
Quality of experimental data presentation	0-3	2
The use of up-to-date techniques	0-3	3
Contribution of the thesis to the knowledge in the field and possibility to publish the results (after eventual supplementary experiments)	0-3	2
Practical requirements – points in total		23
POINTS IN TOTAL (MAX/AWARDED)	42	(0-48)

Comments of the supervisor on the student and the thesis:

It is already a few years when Vanja started to work on her bachelor thesis in our lab. From the first minute, it was clear that Vanja is a very open-minded, independent, and talented student. Based on inspiring discussions with her (with a bachelor student at the beginning of her study actually) many interesting ideas has been setup. Her interest in the impact of a ketogenic diet on immune system and health was later modified to the research of high-fat diet on this process, despite the fact that we made together with a few measurements on ketone bodies in *Drosophila* that are promising.

I'm sure that collaboration with Vanja enriches me a lot, and also aimed me more towards lipid role in the immune response.

After data collection, Vanja needs to finish her studies in Linz, and I haven't heard from her for maybe two years. Due to this delay, I was a skeptic when she came back to the data to write the thesis. Unfortunately, I was really busy this summer, so she had to write and complete her thesis independently.

It was a big surprise when I got the first version of the thesis, that was in my eyes almost perfect, written by highly experienced language, and full of exciting ideas. Writing and formulation of interesting questions predetermine Vanja to be a great and valuable member of the scientific team.

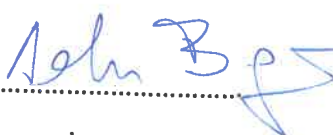
Her thesis fulfill all the requirements, and based on its quality; I suggest it be valued as an excellent.

In České Budějovice - Adam Bajgar

Conclusion:

**In conclusion, I r e c o m m e n d
the thesis for the defense and I suggest the grade excellent .**

In Ceske Budejovice date 5th September 2019


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signature