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:	Zoja Lakovic
Study program:	Biological Chemistry
Department/Institute:	**Institute of Chemistry and Biochemistry**
Thesis title:	**Role of adenosine deaminase in regulation of energy during bacterial infection in adult Drosophila melanogaster**
Supervisor:	**Adam Bajgar, Ph.D. and Doc. Tomáš Doležal, Ph.D.**
Supervisor`s affiliation:	University of South Bohemia, Faculty of Science, Department of Molecular biology and Genetics

	Point scale[1]	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	2
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		13
POINTS IN TOTAL (MAX/AWARDED)	24	21

Comments of the supervisor on the student and the thesis:

* Choose one

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

Zoja entered our laboratory a few years ago and started her training in the laboratory by helping me with colorimetric measurements of saccharides and by western blot based quantification of adenosine deaminase protein. During this period, she got oriented in the lab environment and she can start with her own project.

For this purpose, Zoja moved to application of RTqPCR for measuring adgf-A gene expression level in flies. In this project she revealed very interesting data describing site and dynamics of adenosine deaminase homologue expression in response to bacterial infection. These data are very valuable for us and she got the necessary expertise for conducting basic molecular biology research. Moreover she had an opportunity to learn several basic techniques used commonly in molecular biology labs.

During her work, Zoja showed admirable endurance and resistance. Based on her notes she was able to orient in the project even after more than one year from her stay here. Similarly the writing of the thesis itself was very independent and in satisfactory quality. I wish her a good luck during the defense as well as during her future career.

Conclusion:

In conclusion, I

recommend

the thesis for the defense.

In České Budějovice date 17/9/2018

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signature