



Přírodovědecká  
fakulta  
Faculty  
of Science

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

## STATEMENT OF THE BACHELOR THESIS SUPERVISOR

**Name of the student:** Dajana Tanasic  
**Study programme:** Biological Chemistry  
**Department/Institute:** Molecular Biology  
**Thesis title:** The expression pattern of CG18446 in *Drosophila melanogaster*

**Supervisor:** RNDr. Alena Krejci, PhD.  
**Supervisor's affiliation:** PrF JcU / BC AV CR

	Point scale <sup>1</sup>	Points
<b>(1) FORMAL REQUIREMENTS</b>		
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
<b>(2) PRACTICAL REQUIREMENTS</b>		
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
Logic in the plan of the experimental work	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		18
<b>POINTS IN TOTAL (MAX/AWARDED)</b>	<b>27</b>	<b>(0-27)<sup>2</sup></b>

**Eventual mistakes, which the students should avoid in the future:**

<sup>1</sup> Mark as: 0-unsatisfactory, 1-satisfactory, 2-average, 3-excellent.

<sup>2</sup> Enter the number of points awarded.

**Eventual additional comments of the supervisor on the student and the thesis:**

Dajana Tanasic worked on her bachelor thesis in my laboratory as part of her international study program of biological chemistry between the University of Linz and University of South Bohemia, from November 2012 till July 2013. I can say without any hesitation that she was an outstanding student, bright, curious, highly motivated and hardworking, clearly exceeding her peers.

The goal of her project was to use immunostaining to characterize the expression pattern of a Drosophila gene that we previously identified as a target of the Notch signalling pathway. The dissection of tissues from the Drosophila third instar larvae requires a good portion of patience and precision and as most of the students Dajana did not find it easy at the beginning. However, straight the first few days she decided to spend long hours at the microscope until she mastered this procedure. In fact, she was able to mount tissues where other students fail (like the tiny lymph glands). Similarly, the immunostaining protocol did not work for her the first few times and she was frustrated but instead of giving up she designed steps to identify the possible pitfalls and made the method work eventually. Thanks to her enthusiasm her project went further than originally planned. She is a bulldog that bites and does not let go, clearly a highly motivated person. I also mostly appreciated that she was able to work independently and it was enough to discuss things once for her to understand. She wanted to understand the design and purpose of the experiments, not just follow my instructions. On top of that she was able to read relevant literature and ask specific questions which helped to move the project forward. We enjoyed having her in the lab, not only because she worked hard but also because she was a cheerful person, with a smile on her face all the time.

According to my opinion she has the potential to become an excellent scientist and I am sure we will hear about her in the future.

**Conclusion:**

**In conclusion, I**

**r e c o m m e n d**

In **Ceske Budejovice** date **29.5.2014**



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signature