



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:** Simone Röhrbacher  
**Study program:** Biological Chemistry  
**Department/Institute:** Dept. of Medical Biology  
**Thesis title:** The production and purification of tick salivary serpins in bacterial expression system  
**Supervisor:** RNDr. Jindřich Chmelař, Ph.D.  
**Co-supervisor:** Mgr. Jan Kotál  
**Supervisor`s affiliation:** Dept. Med. Biology, Faculty of Science, USB

	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
<b>Formal requirements – points in total</b>		<b>9</b>
<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

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

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		14

POINTS IN TOTAL (MAX/AWARDED)	24	23
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**Comments of the supervisor on the student and the thesis:**

Simone was one of my best students, very smart, hardworking and eager to learn, try, and perform experiments. She proved her scientific abilities by being independent and persistent, when something did not work. In a short time she had for experimental part of her work, she managed to perform many experiments. Not all of them were successful at first, but she managed finally to make them work, for example initial cloning of genes that took long time. Subsequent expression and testing, however, went relatively good. The lack of time can be, however, seen on the results, where some experiments would need more optimization and playing around. The topic and range of the thesis, could be (if there was enough time) sufficient even for master thesis. Simone obtained several interesting results that could have significance in solving questions about the role of tested serpins in tick-host interaction. Simone was coming to the lab often and regularly and very soon, she was able to work independently, precisely and without mistakes. Simone definitely has been one of my best students so far and I strongly recommend her for defense.

**Conclusion:**

**In conclusion, I  
r e c o m m e n d.**

In České Budějovice date 17.6.2018

Jindřich Chmelař