



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: Jakob Samek
Study program: Biological Chemistry
Department/Institute: Institute of Chemistry
Thesis title: Sialic acid as a recognition motif for host-originated glycoproteins in *Ixodes ricinus*

Supervisor: RNDr. Ján Štěřba, Ph.D.
Supervisor's affiliation: Institute of Chemistry, FS USB

	Point scale ¹	Points
(1) FORMAL REQUIREMENTS		
Formal and graphical quality of the thesis	0-3	1
Ability to work with literature	0-3	3
Language and stylistics	0-3	3
Formal requirements – points in total		7
(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	2
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		11
POINTS IN TOTAL (MAX/AWARDED)	24	18

* Choose one

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

Comments of the supervisor on the student and the thesis:

Jakob's bachelor thesis is oriented on the utilization of sialylated vs. non-sialylated glycoproteins by ticks, more specifically *Ixodes* ticks. To be honest, I had to dig very deeply into my mails and files to find out, when did Jakob start to work in our laboratory – it was at the end of 2013 with some real work starting from April 2014. So, the resulting five and half years till this defense seem to be a lot for getting plenty of results. However, Jakob spent only limited time in the laboratory and even this limited time was separated into few periods of real work. Still, he managed to get interesting results, which complement other results by our laboratory and are part of a bigger project on which several students participated (Jarka Štěrbová, Jarda Ondruš, Pája Kočová). It is a pity that more similar and better results were not obtained as it would move the whole project forward.

After this a bit disappointed introduction, the more optimistic part comes. Jakob realized just few weeks before the deadline, that it is his last possibility to defend. I was worried about this as an experienced supervisor – this usually means getting an extremely horrible first draft of the thesis and subsequent two weeks of hard work to get it into a better shape. This time it was very different – the first version from Jakob was almost finished, something other students get to after months of writing and rewriting. Some changes had to be done of course and the discussion had to be improved for example, but I must say, that Jakob's thesis was one of those where the least input was required from my side. In other words – Jakob should stay in science as even after the long periods of inactivity, he was able to get into the topic very quickly, he was able to formulate his thoughts nicely and comprehensibly and with a bit more time his thesis would be a very nicely written manuscript.

I can just hope for the sake of the science, that Jakob will stay in science and, what is more important will be able to focus on science more.

Conclusion:

In conclusion, I

~~recommend / do not recommend*~~

the thesis for the defense.

In České Budějovice date 17. 9. 2019



signature