



KATEDRA MOLEKULÁRNÍ BIOLOGIE A GENETIKY
Přírodovědecká fakulta
Jihočeská univerzita v Českých Budějovicích
Branišovská 31, 37005 České Budějovice

Supervisor's review on master student bc. Gabriela Krejčová

In the following paragraphs I'm going to summarize my opinion on my master student Gabriela Krejčová from several different perspectives considering her work in laboratory, work with literature, understanding of problematics, writing of the thesis itself, and her social role in our collective.

Gabriela started to work in our laboratory approximately one and half years ago after her successful bachelor studies in laboratory of Dr. Ženka.

After short period of my introduction into the topic and methodology she became independent - data producing - unit and very reliable and trustworthy worker. She often ended up as a last person in the lab and never gave up experiments for usual reasons such as nice weather and date.

Mainly due to her hard effort she very soon understood the design of experiments - I mean experimental logic we are using, and she was able to improve several approaches by gently communicated advices. After short period of time she finished most of the planned experiments for her thesis and I had to face the situation to find out some more experiments to close the whole complicated story of metabolic switch in immune cells. The next set of experiments arose from discussions with Gabriela which made the whole process easy and inspiring.

One of the hardest steps in the thesis was to fully establish methodology for isolation of hemocytes from adult flies – even though we are still struggling with some issues and sometimes with the sorter itself Gabriela seemed to be always optimistic and very resilient. Which will be further verified in her PhD.

Sometimes good student - producing a lot of data - are poor in work with literature and writing but Gabriela is not this case at all. She is orienting in the current knowledge of the topic and can critically consider the impact of the results and reliability of the conclusions. During reading and reviewing the recent literature she discovered several fascinating interconnections and potentially new directions for future work such as characterization of individual Hif1 isoforms and characterization of nitric oxide synthase in drosophila macrophages.

Writing of the thesis itself was for Gabriela just last easy step on her way through her master study. She brought usually text already in very good shape and was very responsive to my coarse objections and criticism. Moreover she made significant improvement during the period of writing and the last written pages had been perfect already before my first reading.

Further I would like to mention her important role in our working collective. Gabriela is unselfishly supporting younger and not yet experienced students, gives them very good example of hard worker and represents high level of standard to be reached – which is probably the most important.

What should not be omitted is that Gabriela already reached several achievements due to her hard work such as the first place for her presentation on annual retreat of our department and first and third place in departmental image competition.

I guess that I couldn't be more lucky when I chose Gabriela to be my nearest collaborator.

Now she will present you the most important results from her thesis to give you general knowledge of the project she has been working on.

In České Budějovice 5/11/2018.....Mgr. Adam Bajgar, Ph.D.