



Přírodovědecká
fakulta
Faculty
of Science

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

STATEMENT OF THE BACHELOR/DIPLOMA^{*} THESIS SUPERVISOR

Name of the student: Christian Resl

Study program:

Department/Institute: Institute of Parasitology

Thesis title: Characterization of Leucine Aminopeptidase 1 from *Trypanosoma brucei*

Supervisor: Priscila Peña-Díaz, Ph.D.

Supervisor's affiliation: Institute of Parasitology, BC CAS, České Budějovice

	Point scale ¹	Points
(1) FORMAL REQUIREMENTS		
Formal and graphical quality of the thesis	0-3	2
Ability to work with literature	0-3	2
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	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)		
	20	40

Comments of the supervisor on the student and the thesis:

^{*} Choose one

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

Chris Resl arrived at our lab in the fall of 2013. He was willing to work and was considered to have a prideful attitude, so much that one of my colleagues told me to give my choice a second thought. He was allocated a project that had been in the lab since 2010 and had been abandoned, which caused Julia to dislike it furiously. But since he dislikes not getting value for his money even more, he gave it to me with the ultimatum that it was the last chance to make it work.

I had cloned the protein and expressed it, but was busy with another project that took most of my time. Chris' task was to localize the proteins and re-analyse the RNAi cell lines. Chris ended up performing immunofluorescence assays; cell fractionation assays; Northern blots; Western blots; and mitochondrial membrane potential measurements by FACS, besides the common tissue culture.

He was my first student in České Budějovice and it took me by surprise that students here start so early and so inexperienced in the lab. This meant I had to teach him to pipet from scratch. He learned quickly, but discipline was something he learned the hard way, especially when it came to lab-book keeping. This attitude of his proved to be a smokescreen, as he is probably both the shyest student I have seen pass through Julius Lukes' lab in the 5 years I have been there, and one of the humblest. The implications of this were that he liked working nights when the lab was deserted and he could practice wrecking western blots until he perfected them. Chris is the only case I have seen of a student of his level that worked hard to perfect the techniques he employed in his project. Social occasions in Lukes' lab, which used to happen more often than they do now, seldom saw his presence. He finally opened up when he joined some students and postdocs to play badminton every Wednesday.

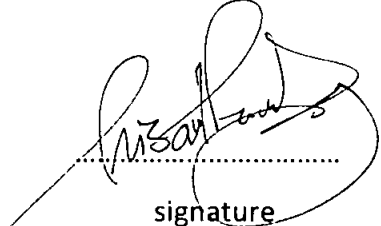
Since he liked working on his own, I preferred to give him tasks where he would organize the experiment himself, and at the end he would bring me the result for discussion. I will never forget when, at the end of a growth curve (that he should never have done) he came to me worried because the cell line was dying. I looked at him suspiciously and asked for the numbers; also I made him repeat the experiment. Not only were his results correct, but they were the start of a rollercoaster of experiments that only finished last year.

By the time he left the lab, he had made a decision I did not share – but I told him that if he wanted to finish his bachelor and I was still here, I would correct his thesis. Little did he know that what started with a few unusual results would end up in a massive ball rolling that ended up putting his name in a Plos Pathogens paper which described the first protein in a structure that had puzzled the trypanosome community for the last 10 years.

Conclusion:

In conclusion, I recommend his thesis as a requisite for the Bachelor degree of JCU

In date, 17 September 2017



signature